

	mean	total	tech	bio	p.value	FDR
tdTomato	4.9067814	13.8906671	0.55312303	13.3375441	0	0
pTimer	4.74201973	13.0745206	0.57485182	12.4996688	0	0
lapp	3.43887049	8.02127344	0.78002771	7.24124574	0	0
eGFP	2.18740845	7.77509563	0.92107106	6.85402457	2.75E-240	8.37E-237
Pyy	3.06147803	7.12220513	0.82873288	6.29347225	3.77E-250	1.43E-246
Col1a1	2.52793167	7.06264049	0.89518871	6.16745179	2.57E-206	4.35E-203
Sparc	2.81380131	6.88217292	0.86330078	6.01887213	3.20E-211	6.08E-208
Ins2	3.29370114	6.5360137	0.80060476	5.73540894	7.10E-223	1.80E-219
Lgals1	2.6701039	6.4342541	0.881112	5.5531421	4.89E-173	7.43E-170
Itm2a	2.41395137	6.38148793	0.90487845	5.47660948	9.29E-160	1.18E-156
Col3a1	2.31752395	6.31525371	0.91275048	5.40250323	6.77E-153	7.91E-150
Rbp4	2.84645428	6.11154947	0.85832146	5.25322802	2.56E-163	3.54E-160
Dcn	2.14739932	6.17541631	0.92291459	5.25250172	1.56E-141	1.48E-138
Ptn	2.22134983	6.00155831	0.91924144	5.08231687	1.06E-133	9.49E-131
Col1a2	2.21927045	5.98381704	0.91936384	5.0644532	9.61E-133	8.11E-130
Dlk1	3.89379542	5.67836784	0.7017544	4.97661344	1.87E-218	4.05E-215
Cdkn1c	2.79123684	5.80290115	0.86689976	4.93600139	1.16E-141	1.17E-138
Chga	2.59922515	5.5456777	0.88836264	4.65731506	1.91E-120	1.53E-117
H19	2.40274047	5.52076998	0.90583364	4.61493635	7.14E-114	5.43E-111
Pcsk2	2.35101872	5.40259163	0.91013437	4.49245725	4.98E-107	3.60E-104
Ins1	1.97259384	5.3070931	0.92732899	4.3797641	3.53E-98	2.44E-95
Chgb	2.31415816	5.14672834	0.91300781	4.23372052	1.01E-94	6.68E-92
Sst	1.76559687	4.87853204	0.9224897	3.95604234	2.48E-81	1.51E-78
Ttr	2.30598148	4.84631153	0.91362822	3.93268331	6.33E-82	4.01E-79
Gcg	1.58739261	4.39809348	0.90650599	3.49158749	4.99E-66	2.71E-63
Mest	2.11310761	4.25734498	0.92426843	3.33307655	3.84E-58	1.82E-55
Meg3	5.12076979	3.81070924	0.55268172	3.25802752	1.12E-151	1.21E-148
S100a6	1.5898619	4.13585065	0.90679477	3.22905589	9.57E-57	4.41E-54

mean variance for all transcripts = 0.286

mean: A numeric vector of mean log-CF
total: A numeric vector of the variances
bio: A numeric vector containing the bic
tech: A numeric vector containing the te

Vim	2.21684069	4.04546426	0.91950624	3.12595802	6.62E-52	2.72E-49
Serpinh1	2.44457609	3.92941075	0.9022743	3.02713644	1.32E-50	5.26E-48
Nnat	1.78801745	3.9480564	0.92365053	3.02440587	2.65E-48	1.01E-45
Lum	1.45003474	3.90680448	0.88439227	3.02241221	1.97E-52	8.32E-50
Xist	2.40006129	3.92078712	0.90606027	3.01472685	8.27E-50	3.22E-47
Pcsk1n	2.01093901	3.82535305	0.92700893	2.89834412	3.19E-44	1.13E-41
Igf2	1.74605533	3.71356303	0.92134686	2.79221617	1.13E-41	3.82E-39
Crip1	2.02865512	3.58491929	0.92675021	2.65816908	1.54E-37	4.49E-35
Gsn	1.47530568	3.3997702	0.88906513	2.51070507	1.88E-36	5.30E-34
Tmsb4x	3.86894713	3.20768555	0.7060061	2.50167945	3.29E-56	1.43E-53
Col6a1	1.47338509	3.27900631	0.88872669	2.39027962	2.99E-33	7.99E-31
Gpc3	1.62139515	3.28793287	0.91046752	2.37746535	1.86E-31	4.57E-29
Fos	1.79344239	3.28344589	0.92391482	2.35953108	3.57E-30	8.61E-28
Igfbp4	1.60290951	3.18222292	0.90831845	2.27390447	4.52E-29	1.06E-26
Sparcl1	1.39560168	3.06679826	0.87341709	2.19338117	3.06E-29	7.26E-27
Anxa2	1.65488408	2.95288861	0.91412249	2.03876612	1.79E-23	3.28E-21
Tmsb15b2	1.15644699	2.80932289	0.80863545	2.00068744	1.93E-28	4.38E-26
Ppy	0.85477692	2.63994203	0.6814571	1.95848492	1.11E-37	3.30E-35
Rcn3	1.48501868	2.83399096	0.89076148	1.94322948	1.53E-22	2.65E-20
Fstl1	1.51121026	2.79426898	0.89521749	1.89905149	2.04E-21	3.33E-19
Mafb	1.4336376	2.7258978	0.88122093	1.84467687	6.63E-21	1.01E-18
Col6a2	1.37774285	2.70211464	0.86948777	1.83262688	3.63E-21	5.64E-19
Mdk	1.88521374	2.75086123	0.92679787	1.82406336	1.07E-18	1.42E-16
Slc38a5	1.06296061	2.56470452	0.77565599	1.78904852	5.69E-25	1.14E-22
Cd24a	1.11894842	2.55650963	0.79590821	1.76060143	4.02E-23	7.19E-21
S100a10	1.78683366	2.68176933	0.92359208	1.75817725	1.31E-17	1.65E-15
Mfap4	0.9837919	2.49751004	0.74395354	1.75355651	5.41E-26	1.14E-23
Aplp1	1.73511692	2.65170458	0.92064157	1.73106301	3.16E-17	3.88E-15
Mfap2	1.65684955	2.62544068	0.91433498	1.71110569	4.41E-17	5.32E-15
Ifitm2	2.55497419	2.59436575	0.89261303	1.70175272	1.17E-17	1.50E-15

Dbpht2	1.40152469	2.56100926	0.87467158	1.68633768	5.13E-18	6.72E-16
1700086L19F	1.53483146	2.5803748	0.89908586	1.68128895	4.65E-17	5.57E-15
Tmem27	1.11957338	2.43319851	0.79612824	1.63707027	3.08E-20	4.42E-18
Pax6	1.51431963	2.51510875	0.89573523	1.61937351	4.60E-16	5.10E-14
Cxcl12	1.14753185	2.41143256	0.80574508	1.60568748	4.03E-19	5.42E-17
Ghrl	0.80193198	2.25763693	0.65330777	1.60432916	4.78E-28	1.07E-25
Stmn1	1.54541067	2.48283111	0.90077112	1.58206	2.91E-15	3.09E-13
Spp1	0.65548563	2.14909208	0.56845677	1.5806353	2.12E-35	5.74E-33
Apoe	0.80764393	2.23113637	0.65641065	1.57472572	7.42E-27	1.63E-24
Bgn	1.14966128	2.34991955	0.80643807	1.54348148	8.80E-18	1.13E-15
Cpe	2.94092037	2.38159084	0.844903	1.53668784	3.09E-16	3.51E-14
Isl1	1.39139802	2.39880612	0.87250462	1.5263015	3.72E-15	3.92E-13
Spint2	1.84019812	2.4508766	0.92562643	1.52525017	1.19E-13	1.15E-11
Fam183b	1.47116552	2.410471	0.8883343	1.5221367	1.29E-14	1.29E-12
Cryba2	1.29387295	2.36475341	0.84923084	1.51552257	1.06E-15	1.16E-13
Krt8	1.69948342	2.39844657	0.9181646	1.48028197	3.82E-13	3.59E-11
Bex2	1.65827515	2.3849457	0.91448856	1.47045714	4.39E-13	4.10E-11
Hmgn3	1.90137542	2.38280149	0.92700618	1.45579531	1.46E-12	1.22E-10
Eln	1.02472626	2.18926411	0.76076391	1.42850019	3.48E-17	4.24E-15
Ifitm3	1.18763655	2.2338497	0.8186443	1.41520541	7.64E-15	7.90E-13
Gnas	4.62956392	1.99225817	0.58934448	1.40291369	1.79E-26	3.84E-24
Postn	1.05995632	2.17491909	0.7745129	1.40040619	4.56E-16	5.10E-14
Meis2	2.16261266	2.32200686	0.92227493	1.39973193	7.54E-12	5.91E-10
Mt1	0.69515781	1.97422876	0.59249939	1.38172937	1.75E-25	3.59E-23
Scg2	1.01133899	2.08640729	0.75536471	1.33104258	2.37E-15	2.54E-13
Hmgb2	1.51070887	2.21930975	0.89513376	1.32417599	2.41E-11	1.79E-09
Epcam	1.52361318	2.17812822	0.89726781	1.2808604	1.10E-10	7.59E-09
Pcolce	1.10270275	2.04414481	0.79020473	1.25394008	8.66E-13	7.44E-11
Akap12	1.0636845	2.01520836	0.77593091	1.23927745	6.22E-13	5.57E-11
Slc25a5	2.61248347	2.12234957	0.88704651	1.23530306	2.99E-10	1.98E-08

Neurod1	1.2714865	2.05626534	0.84322801	1.21303734	8.01E-11	5.61E-09
Ndn	1.93067712	2.13977998	0.92723475	1.21254523	3.06E-09	1.77E-07
Csrp2	1.37517775	2.05831152	0.86891497	1.18939654	5.81E-10	3.70E-08
Scg3	1.26993893	2.02122088	0.84280712	1.17841376	2.55E-10	1.71E-08
Neurog3	0.42749758	1.58670442	0.41222456	1.17447986	4.56E-37	1.31E-34
Actb	4.71519502	1.74908343	0.57869656	1.17038687	1.22E-19	1.72E-17
Gpx3	1.40858589	2.04403463	0.87615393	1.1678807	1.55E-09	9.33E-08
Tuba1a	3.47367555	1.94184649	0.77447291	1.16737358	1.04E-11	7.95E-10
Scgn	1.31137744	2.01550617	0.85365172	1.16185445	7.21E-10	4.55E-08
Fabp5	1.3650649	2.02782744	0.8666252	1.16120224	1.29E-09	7.91E-08
Fbln1	1.03249138	1.9241793	0.76385775	1.16032155	7.24E-12	5.70E-10
Ifitm1	0.85454828	1.83948462	0.68133795	1.15814667	2.07E-14	2.05E-12
Rarres2	0.95178106	1.88576814	0.7297007	1.15606744	9.39E-13	7.98E-11
Cald1	1.16497248	1.95817962	0.81137283	1.14680679	1.66E-10	1.12E-08
Ccdc80	0.96910197	1.86516997	0.73762281	1.12754716	5.39E-12	4.36E-10
Ppic	1.29016827	1.96510484	0.84824841	1.11685643	2.41E-09	1.41E-07
Krt7	1.48672305	1.98587427	0.89105653	1.09481775	2.35E-08	1.28E-06
Lrp3	0.99986618	1.83164814	0.75066663	1.08098151	7.68E-11	5.40E-09
Emp3	1.0566326	1.83274374	0.77324427	1.05949947	5.60E-10	3.58E-08
Krt18	1.32286576	1.88463741	0.85651344	1.02812397	4.74E-08	2.47E-06
Ldha	1.25222057	1.85215119	0.83780551	1.01434568	3.68E-08	1.95E-06
Plagl1	1.12592347	1.81042796	0.79835599	1.01207197	8.72E-09	4.93E-07
Nrp1	1.0100885	1.76622638	0.75485518	1.0113712	1.29E-09	7.91E-08
Junb	1.19247516	1.82543894	0.82017245	1.00526649	2.53E-08	1.37E-06
Maged2	1.96492264	1.92388375	0.92737801	0.99650574	8.90E-07	3.85E-05
Ebf1	0.87085772	1.68547298	0.68977643	0.99569655	6.94E-11	4.90E-09
Cd34	0.921335	1.69602021	0.71509821	0.980922	5.36E-10	3.44E-08
Itih5	0.81818995	1.63761272	0.66210091	0.97551181	2.88E-11	2.11E-09
Clu	0.74750135	1.59745905	0.62299182	0.97446722	1.78E-12	1.48E-10
Tm4sf4	1.17733717	1.77490389	0.81535682	0.95954706	8.39E-08	4.14E-06

Gng12	1.72906975	1.87818956	0.92024086	0.9579487	1.85E-06	7.59E-05
Pmp22	0.9662323	1.68866369	0.73637592	0.95228776	4.49E-09	2.57E-07
Igf1	0.74693769	1.57099457	0.62267065	0.94832392	6.41E-12	5.09E-10
B2m	1.16606084	1.75856008	0.81172042	0.94683966	1.08E-07	5.23E-06
Btg2	1.25392801	1.77496434	0.8382923	0.93667204	3.39E-07	1.54E-05
Pdx1	1.09429039	1.72266862	0.78721565	0.93545297	6.36E-08	3.24E-06
Cav1	0.46797763	1.37713207	0.44246235	0.93466972	2.97E-21	4.80E-19
Cthrc1	0.67907559	1.51229743	0.58285253	0.9294449	6.75E-13	5.96E-11
Prkcdbp	1.04136453	1.6866051	0.76736204	0.91924306	5.03E-08	2.61E-06
Tubb3	0.92575095	1.62027129	0.71724921	0.90302208	1.09E-08	6.03E-07
Hhex	0.50191764	1.36628807	0.46692097	0.8993671	5.50E-18	7.15E-16
Tmsb10	4.90326963	1.44275517	0.55350045	0.88925472	4.59E-13	4.25E-11
Tuba1b	2.63316317	1.76534959	0.88495985	0.88038974	4.87E-06	0.00018434
Syt13	1.35313792	1.73738851	0.86386329	0.87352523	3.47E-06	0.00013468
Gch1	1.16289515	1.66595688	0.81070823	0.85524865	1.37E-06	5.74E-05
Laptm4a	2.91097365	1.7035516	0.84923282	0.85431878	3.87E-06	0.00014782
Jun	1.61023857	1.76100677	0.90918029	0.85182648	1.56E-05	0.00054237
Dbi	1.47968842	1.73995792	0.88983372	0.85012421	1.08E-05	0.00038526
Mt2	0.38069	1.22538316	0.37572812	0.84965504	4.45E-24	8.67E-22
Map1b	1.96255317	1.76946403	0.92737343	0.8420906	2.71E-05	0.00088574
S100a16	0.91643833	1.55308127	0.71270428	0.84037699	7.94E-08	3.93E-06
Rbp1	0.99178728	1.58761253	0.74732666	0.84028587	2.89E-07	1.31E-05
Ccnd2	1.18604467	1.65352529	0.81813856	0.83538674	2.82E-06	0.0001117
Col4a1	0.98246514	1.57347099	0.74338532	0.83008567	3.45E-07	1.56E-05
Ctrb1	0.36668054	1.18067556	0.3644691	0.81620645	1.19E-23	2.25E-21
Igfbp6	0.36463806	1.17763329	0.36281398	0.81481931	8.95E-24	1.72E-21
Igfbp7	1.19681484	1.62927427	0.82148231	0.80779196	6.17E-06	0.00022873
Egr1	1.22479979	1.63526434	0.82981275	0.80545159	7.98E-06	0.00029008
Acta2	0.5433453	1.28724267	0.49573422	0.79150845	6.33E-13	5.62E-11
Clps	0.38821126	1.17091131	0.38170799	0.78920333	1.94E-20	2.83E-18

Pam	1.53040848	1.6776	0.89837289	0.77922711	5.76E-05	0.00179135
Tspan7	1.29129421	1.62348023	0.84854745	0.77493278	2.45E-05	0.0008058
Agtr2	0.52059138	1.25087694	0.48004725	0.7708297	4.72E-13	4.35E-11
Hadh	1.58492326	1.67124956	0.9062157	0.76503386	8.74E-05	0.00261412
Ahnak	0.95802702	1.49094321	0.73263162	0.75831159	2.10E-06	8.50E-05
Col14a1	0.69242389	1.3372808	0.59086928	0.74641152	9.78E-09	5.48E-07
Cystm1	1.34873468	1.60608575	0.86283287	0.74325289	6.42E-05	0.00197566
Islr	0.74637706	1.36238177	0.62235106	0.7400307	6.24E-08	3.20E-06
Cdkn1a	0.59333402	1.26409616	0.52906236	0.73503379	3.28E-10	2.17E-08
Tubb4b	1.84503549	1.6551226	0.9257721	0.7293505	0.00023056	0.0063839
Id3	0.55150057	1.23046936	0.50127544	0.72919393	5.00E-11	3.57E-09
H2afz	2.69330128	1.60371826	0.87858924	0.72512902	0.0001217	0.00353045
Sec61b	3.18155059	1.53949346	0.81473598	0.72475748	3.83E-05	0.00122183
Ier2	1.28446941	1.5709585	0.8467287	0.7242298	7.16E-05	0.00216492
Krt19	0.47571523	1.16476484	0.44810793	0.71665691	5.81E-13	5.22E-11
Mid1ip1	1.39894015	1.58119208	0.87412542	0.70706666	0.00016158	0.00461701
Cd63	3.23589526	1.51039463	0.80814756	0.70224707	5.60E-05	0.00174407
Scg5	1.04009831	1.46795487	0.76686585	0.70108902	2.41E-05	0.0007926
Rpl36a	3.87098599	1.40016428	0.70565679	0.69450749	6.06E-06	0.00022578
Zeb2	0.72207397	1.30031755	0.60834869	0.69196886	2.13E-07	9.89E-06
Nfib	1.33579947	1.55089624	0.85971376	0.69118248	0.0001757	0.00497358
Hba-a1	0.49252657	1.15022491	0.46023279	0.68999211	1.32E-11	1.00E-09
Cd81	3.23422982	1.49573831	0.80834485	0.68739345	7.83E-05	0.00235639
Igfbp5	0.67037374	1.26490684	0.57757709	0.68732976	6.10E-08	3.13E-06
Mfap5	0.47098936	1.12300559	0.44466497	0.67834063	5.93E-12	4.77E-10
Sfrp1	0.66587715	1.25281418	0.57483561	0.67797858	7.89E-08	3.92E-06
Peg10	0.67610027	1.25893773	0.58105314	0.67788459	1.07E-07	5.22E-06
Mgp	0.47481597	1.12413546	0.44745397	0.6766815	8.90E-12	6.90E-10
Manf	2.28011675	1.59169931	0.9154895	0.67620981	0.00051233	0.01328997
Tppp3	0.66155977	1.24767387	0.57219226	0.67548161	7.68E-08	3.85E-06

mt-Co3	5.90367246	1.38462343	0.71027395	0.67434949	1.22E-05	0.00042938
Hbb-bs	0.89178772	1.37081071	0.70043009	0.67038062	1.05E-05	0.00037317
Snhg18	0.8900876	1.36916189	0.69957421	0.66958768	1.05E-05	0.00037317
Atp1b1	1.26675996	1.50788245	0.84192064	0.66596181	0.00021865	0.00606509
Pcsk1	0.90718375	1.36130915	0.70812927	0.65317988	2.06E-05	0.00068976
Hist1h2bc	0.93579242	1.37339947	0.72211271	0.65128676	3.04E-05	0.00098504
Gpx8	0.88943284	1.34216187	0.69924429	0.64291758	2.18E-05	0.0007268
Cplx2	1.1282149	1.43968282	0.79915631	0.64052651	0.0001832	0.00515715
Hba-a2	0.16237332	0.81855514	0.18003014	0.638525	2.60E-56	1.16E-53
Rpl39	4.72130359	1.21623254	0.57781946	0.63841308	4.51E-07	2.01E-05
Crip2	0.83789744	1.28896273	0.67260197	0.61636076	2.31E-05	0.00076397
Col5a2	0.76717675	1.24368965	0.63410994	0.60957971	9.62E-06	0.00034637
Peg3	2.75584471	1.47872251	0.87117825	0.60754425	0.00096667	0.02314468
Ccnd3	1.45257547	1.49227163	0.88487317	0.60739845	0.00113823	0.02645604
Gast	0.29294265	0.90805169	0.30247181	0.60557988	2.78E-19	3.83E-17
Ramp2	0.99266039	1.35192617	0.74768889	0.60423728	0.00016365	0.00466731
S100a11	3.23753845	1.41003118	0.80795285	0.60207833	0.0004618	0.01208232
Myl9	0.63944212	1.15738123	0.55849544	0.59888579	9.34E-07	4.04E-05
Rrbp1	2.0729308	1.52350957	0.92564171	0.59786786	0.00204331	0.04362404
Top2a	0.33987728	0.93592314	0.34247596	0.59344718	6.62E-15	6.90E-13
Resp18	0.49478266	1.05509011	0.46184522	0.59324489	5.63E-09	3.20E-07
Rap1b	2.11411876	1.5064193	0.92422998	0.58218932	0.00255221	0.05271225
Zbtb20	1.39701077	1.45482376	0.87371645	0.5811073	0.00155442	0.03434419
mt-Co2	4.66166135	1.1610546	0.58548599	0.57556861	6.20E-06	0.00022889
Col5a1	0.759704	1.20096013	0.62990864	0.57105148	2.79E-05	0.00090693
Gas6	0.63892449	1.12847033	0.55817161	0.57029872	2.78E-06	0.00011048
Gng11	0.57734528	1.08836535	0.51856669	0.56979866	5.18E-07	2.29E-05
Sepp1	1.37829562	1.43628899	0.86961095	0.56667804	0.00188399	0.04062211
Stmn2	0.2451328	0.82362279	0.25963943	0.56398335	2.30E-22	3.93E-20
Nrk	0.62687248	1.11424495	0.55059065	0.5636543	2.67E-06	0.00010647

Emp1	0.75870037	1.19226626	0.62934235	0.56292391	3.50E-05	0.00112174
Mmp14	1.12815566	1.36177794	0.79913565	0.56264229	0.00087406	0.0211908
Lmna	1.46516932	1.44705009	0.88723074	0.55981935	0.00251535	0.05209246
2810417H13	0.39599921	0.94570524	0.38785322	0.55785202	8.07E-11	5.63E-09
Nid1	0.79383589	1.20513119	0.64888538	0.55624581	6.92E-05	0.00210127
Hist3h2ba	0.9378243	1.27710663	0.72309219	0.55401443	0.00032948	0.00883322
Emb	0.99884291	1.30367137	0.75024505	0.55342632	0.00052023	0.01347202
mt-Co1	5.40613774	1.14408726	0.59529687	0.54879039	2.08E-05	0.00069523
mt-Cytb	5.03201416	1.09241501	0.54391516	0.54849986	3.68E-06	0.00014193
Slc30a8	0.60198695	1.07859536	0.53467828	0.54391708	3.06E-06	0.00012007
Hspa5	3.23498863	1.35087183	0.80825497	0.54261685	0.00142007	0.03169829
Tubb6	0.61936079	1.08244563	0.54582535	0.53662028	6.19E-06	0.00022889
Gm42418	2.55242775	1.42896411	0.89285264	0.53611147	0.00379986	0.07433926
H2-D1	1.2504839	1.37320498	0.83730941	0.53589556	0.00221861	0.0465174
Cks2	0.51426054	1.01145157	0.47562287	0.5358287	2.75E-07	1.26E-05
Igfbp2	0.39553129	0.9215332	0.38748547	0.53404773	4.47E-10	2.92E-08
Osr1	0.5297419	1.01968616	0.48639494	0.53329122	5.46E-07	2.41E-05
Bst2	0.36991253	0.89885043	0.36708127	0.53176917	5.97E-11	4.24E-09
Tuba4a	0.98487995	1.27545658	0.744419	0.53103759	0.00075876	0.01875441
Matn2	0.68780679	1.11848787	0.58810681	0.53038105	3.05E-05	0.00098504
Ppp1r1a	0.49970752	0.99457417	0.4653523	0.52922186	2.14E-07	9.90E-06
Tpm2	0.65069443	1.08944118	0.56549653	0.52394465	1.90E-05	0.00064571
Fbn1	0.6606757	1.09480126	0.57164978	0.52315149	2.37E-05	0.0007803
Vcan	0.64159842	1.08205996	0.55984288	0.52221708	1.69E-05	0.00058233
Prdx4	1.27614711	1.36564454	0.84449088	0.52115365	0.00303959	0.06144249
Abcc8	1.00849199	1.27370202	0.75420376	0.51949825	0.00109877	0.02577527
Hbb-bt	0.24438967	0.77737533	0.25895615	0.51841919	2.79E-19	3.83E-17
Fbn2	0.71586653	1.1231037	0.60472641	0.5183773	6.93E-05	0.00210127
Sdpr	0.54267271	1.01269241	0.49527516	0.51741725	1.71E-06	7.05E-05
Selm	1.81029075	1.44198945	0.92466584	0.51732362	0.00643788	0.11553978

Olfml3	0.67952112	1.0985515	0.58312158	0.51542992	4.26E-05	0.00134765
Pnliprp1	0.17468259	0.70600432	0.1923391	0.51366522	8.22E-33	2.15E-30
Il11ra1	0.97856701	1.25386526	0.74171177	0.51215349	0.00107137	0.02524942
Nkain4	0.55468357	1.01090981	0.50342712	0.50748269	3.71E-06	0.00014267
Arpc1b	1.58381453	1.41311854	0.90608487	0.50703366	0.00642851	0.11553978
Ubqln2	1.21521847	1.33353601	0.8269648	0.50657121	0.00323234	0.06482167
Tm4sf1	0.33663549	0.84617053	0.33977468	0.50639585	1.73E-11	1.29E-09
Ube2c	0.28353173	0.80018499	0.29421123	0.50597377	1.04E-14	1.07E-12
Nbl1	0.5686315	1.01856533	0.51278327	0.50578207	5.80E-06	0.00021669
Plvap	0.22264254	0.74251686	0.23871751	0.50379936	3.23E-21	5.17E-19
Cyba	1.01624678	1.25587938	0.75735846	0.49852092	0.00171532	0.03735614
Ngfrap1	2.54907823	1.39072091	0.89316712	0.49755379	0.00663388	0.11835875
Ambp	0.5434936	0.99245895	0.49583535	0.4966236	4.24E-06	0.00016155
Dpysl3	0.61764524	1.03795163	0.54473264	0.49321899	2.85E-05	0.00092452
Pcbd1	1.10025286	1.28225904	0.78933696	0.49292207	0.00275013	0.05618915
Kdelr2	1.53594205	1.39052733	0.8992641	0.49126323	0.00757839	0.13302432
Pak3	0.83082871	1.1594033	0.66885423	0.49054907	0.00055611	0.01423142
Serpine2	0.87353554	1.18162494	0.6911499	0.49047504	0.00080296	0.01965517
Txndc5	1.32778794	1.34704928	0.8577374	0.48931189	0.00560511	0.10377978
mt-Nd1	4.54276216	1.08929916	0.60052917	0.48876999	0.00014829	0.00426109
Calu	1.00979605	1.23921168	0.75473593	0.48447574	0.00216068	0.04542806
Ndufa4l2	0.498088	0.94488758	0.46420078	0.48068679	2.08E-06	8.44E-05
Mgst1	0.62779636	1.03097368	0.5511746	0.47979907	5.44E-05	0.00169917
Egfl7	0.53834376	0.9714541	0.49231387	0.47914023	7.57E-06	0.00027594
Smoc2	0.44271456	0.89936125	0.42373154	0.47562972	3.02E-07	1.37E-05
Tagln2	1.48104548	1.36355785	0.89007065	0.47348721	0.00901721	0.15383899
Mlxipl	0.81883668	1.13380162	0.66244812	0.47135349	0.00078024	0.01916065
Col6a3	0.64696217	1.03452674	0.56318209	0.47134465	9.93E-05	0.00294386
Upk3b	0.19429438	0.67677608	0.21160201	0.46517407	7.35E-23	1.30E-20
Kdelr3	0.6536508	1.03205452	0.56732456	0.46472996	0.00013544	0.00390529

Ptrf	0.69648555	1.05775413	0.5932897	0.46446443	0.00025043	0.00683435
Vwa5b2	0.91857933	1.17699708	0.71375213	0.46324495	0.00195507	0.04185772
Id2	0.69102778	1.05172995	0.5900354	0.46169455	0.000252	0.00686486
Clec3b	0.3379338	0.80110243	0.34085759	0.46024485	9.70E-10	6.04E-08
Cxcl13	0.21230751	0.68752239	0.22892907	0.45859332	2.66E-19	3.71E-17
Ddah2	1.25706223	1.29684916	0.83918341	0.45766575	0.0076647	0.13407494
Fscn1	0.80055295	1.10985013	0.65255652	0.45729361	0.00091861	0.02216469
Mxra8	0.64606518	1.01984126	0.56262474	0.45721652	0.0001515	0.00434525
Kcnq1ot1	1.73595658	1.37660572	0.92069661	0.45590912	0.01385497	0.21802223
Hsp90aa1	3.00876974	1.29122763	0.83553281	0.45569482	0.00766246	0.13407494
Ppib	2.72066698	1.3307583	0.8754815	0.45527679	0.01039299	0.17284887
Gabarapl2	1.87073791	1.38145158	0.92646631	0.45498528	0.01450958	0.22575246
Hes1	0.54294744	0.94619691	0.49546271	0.4507342	2.62E-05	0.00085973
Htra3	0.55693297	0.95411173	0.50494398	0.44916775	3.83E-05	0.00122183
Des	0.51243348	0.92240998	0.47434101	0.44806897	1.34E-05	0.00047089
Cryab	0.42728598	0.8478073	0.41206336	0.43574393	1.29E-06	5.46E-05
Penk	0.35651038	0.78803423	0.35619429	0.43183994	3.53E-08	1.88E-06
Zcchc18	0.6995897	1.02504936	0.59513396	0.4299154	0.00066037	0.0166196
Aebp1	0.5979057	0.95957089	0.53203481	0.42753608	0.00017684	0.00499661
Birc5	0.31816915	0.75090571	0.32421569	0.42669003	2.45E-09	1.43E-07
H1f0	1.6977024	1.3440277	0.91803259	0.42599511	0.01956121	0.28373093
Tshz2	1.64462839	1.33900094	0.91301924	0.4259817	0.01903228	0.27875656
Pecam1	0.21308362	0.65448793	0.22966795	0.42481998	9.92E-17	1.16E-14
Ap1s2	1.14375151	1.22931358	0.80451078	0.42480281	0.00945255	0.15929963
Tubb2a	1.47563291	1.31316875	0.8891227	0.42404606	0.01699346	0.25620715
Serf2	3.28789495	1.22473265	0.80137396	0.42335869	0.00942273	0.15897319
Copz2	0.78458405	1.06523866	0.64379456	0.4214441	0.00180595	0.03916165
Calr	3.13148749	1.24096311	0.82058959	0.42037353	0.01138101	0.18602448
Tubb5	3.17728045	1.23505919	0.81526183	0.41979736	0.01103542	0.18154698
Gpx7	0.70083399	1.01541135	0.59587188	0.41953947	0.00087389	0.0211908

Cenpa	0.34148406	0.76299729	0.34381157	0.41918573	2.98E-08	1.60E-06
Cd9	0.95565864	1.14845031	0.73152198	0.41692833	0.00564234	0.10411931
Pdia6	2.64719639	1.29937773	0.88350845	0.41586928	0.01819439	0.27088439
Akr1c19	0.92815642	1.1324149	0.71841777	0.41399713	0.00520603	0.09733929
Igf2r	0.8063605	1.06742705	0.65571469	0.41171235	0.00262466	0.05391545
Sdf2l1	0.87405383	1.1001266	0.69141541	0.40871119	0.00429572	0.08244845
Auts2	0.9709154	1.14649774	0.73840903	0.40808871	0.00700696	0.12416293
Lpl	0.48939287	0.86384107	0.45798707	0.405854	4.08E-05	0.00129528
Prss23	0.5235203	0.88444041	0.48208482	0.40235559	0.00010348	0.00304246
Hist1h1c	0.61666191	0.94520145	0.54410548	0.40109597	0.0005243	0.01353134
Spats2l	0.59886152	0.93365034	0.53265476	0.40099559	0.00040881	0.01082627
Mmp2	0.56396702	0.90965318	0.50966756	0.39998563	0.00024251	0.00665919
Cpa1	0.18527279	0.60253397	0.2027928	0.39974117	9.50E-19	1.27E-16
Cldn5	0.17406222	0.58962447	0.1917229	0.39790157	1.40E-20	2.07E-18
Rcn1	1.3098367	1.24758802	0.85326651	0.39432151	0.0199658	0.28849829
Acly	1.40935662	1.2698017	0.87631486	0.39348684	0.02295683	0.32133221
P4ha2	0.62124067	0.93973733	0.54702085	0.39271648	0.00070748	0.017659
Eno1	1.74797451	1.31128895	0.92146802	0.38982093	0.03000744	0.39942481
Dek	0.97651657	1.12844413	0.74082903	0.3876151	0.01000871	0.1671894
Cmtm3	0.68483196	0.97364524	0.58632097	0.38732427	0.00165824	0.03637354
Plac8	0.39783245	0.77070897	0.38929239	0.38141658	6.63E-06	0.00024296
Tpm4	1.19938351	1.20363207	0.82225454	0.38137754	0.01960586	0.28410746
Fxyd1	0.60325317	0.91336224	0.53549649	0.37786575	0.00085349	0.02075814
Maf	0.45312434	0.80879413	0.43150446	0.37728967	5.07E-05	0.00159012
Tsc22d1	2.15330306	1.29915093	0.92267383	0.3764771	0.03484398	0.44842781
Tpd52	1.08730163	1.16061717	0.78468671	0.37593047	0.01659337	0.25048249
Rps19	5.13634185	0.92984047	0.55495411	0.37488636	0.00133611	0.03017858
Myl12a	2.18605294	1.29505993	0.9211401	0.37391983	0.03556772	0.45510514
Col18a1	0.50753124	0.84458049	0.47089092	0.37368957	0.0002094	0.00584054
Zfp36l1	0.77685825	1.0121092	0.63951311	0.37259609	0.00479713	0.09086026

Fbln2	0.58729111	0.89207771	0.52511321	0.3669645	0.00094588	0.02271451
Fxyd3	0.65862537	0.93671912	0.57039008	0.36632904	0.00215076	0.04534495
Nid2	0.51121227	0.83883694	0.473483	0.36535394	0.00030138	0.00813738
Tmem176b	1.73633658	1.28438307	0.92072146	0.36366161	0.0395526	0.49281891
Adamts5	0.45584255	0.79567203	0.43352133	0.3621507	0.00010211	0.00301408
Cldn4	0.75421071	0.98877265	0.62680343	0.36196922	0.00512516	0.09594528
Hmgb1	3.83854356	1.07315579	0.7112051	0.36195069	0.01183375	0.19197958
Fkbp7	0.63923028	0.91817289	0.55836294	0.35980996	0.00208665	0.04417722
Ffar2	0.74007889	0.97779051	0.61875049	0.35904002	0.00494524	0.0929203
Col4a2	0.58133466	0.8797376	0.52119953	0.35853808	0.00111345	0.02595941
Timp2	0.66275134	0.9297204	0.57292278	0.35679762	0.00281507	0.05720839
BC048546	0.59600858	0.88705843	0.53080279	0.35625564	0.00142379	0.03173462
Eng	0.38854217	0.73819941	0.38197007	0.35622935	1.69E-05	0.00058306
Ddx5	3.19962725	1.1653234	0.81250508	0.35281833	0.02677624	0.3643918
Ccl21a	0.07797758	0.44302464	0.09089794	0.3521267	9.13E-67	5.14E-64
Pf4	0.08221892	0.44712533	0.09558011	0.35154522	2.14E-60	1.12E-57
Tpm1	1.33725794	1.21045516	0.86007146	0.3503837	0.03506335	0.45016727
C1qa	0.22973995	0.59549187	0.24537473	0.35011713	1.12E-10	7.67E-09
Lgals7	0.14927186	0.5167302	0.16674072	0.34998947	5.23E-21	8.03E-19
Oat	0.95074271	1.07915159	0.72921203	0.34993956	0.01644638	0.2489047
Gap43	0.3077887	0.66447792	0.31533708	0.34914084	4.28E-07	1.92E-05
Mif	2.27985283	1.26425775	0.91550798	0.34874976	0.04518106	0.54819953
Ociad2	0.66529061	0.92274134	0.57447706	0.34826428	0.00351888	0.06973982
Serpinf1	0.53319015	0.83468297	0.48877325	0.34590972	0.00082703	0.0202118
Rps26	4.38353013	0.96756017	0.6221591	0.34540107	0.00679265	0.12090751
Gadd45a	0.49123801	0.80413255	0.45931016	0.3448224	0.00042269	0.01115502
6330403K071	0.51741297	0.8217602	0.47782956	0.34393064	0.00068751	0.01724558
Btg1	1.69994615	1.26105293	0.91819878	0.34285415	0.04845891	0.57824787
Glul	1.25593838	1.18108368	0.83886425	0.34221943	0.03486887	0.44842781
Rhoc	1.16188914	1.152266	0.81038582	0.34188018	0.03036316	0.40204743

Htra1	0.46138656	0.77944207	0.43761883	0.34182324	0.00025786	0.00701207
C1qb	0.07972844	0.42918064	0.09283388	0.33634675	1.14E-58	5.78E-56
mt-Atp6	5.79330892	1.01446065	0.67872224	0.33573841	0.01393631	0.21862316
Anxa4	1.27297104	1.17933206	0.84363103	0.33570103	0.03844582	0.48219046
Ogn	0.44079447	0.75792059	0.42228881	0.33563178	0.00020518	0.00574385
Cdo1	0.53774201	0.82732011	0.49190131	0.3354188	0.00121719	0.02794945
Lrrc17	0.46722215	0.77536188	0.44190871	0.33345317	0.00039748	0.01056314
Dpt	0.34461232	0.67844973	0.34640568	0.33204406	1.02E-05	0.00036519
Sfrp2	0.25882492	0.60385546	0.27212959	0.33172587	2.99E-08	1.61E-06
Mfge8	0.64821169	0.89517183	0.56395777	0.33121407	0.00451498	0.08622137
Loxl1	0.55489222	0.83476774	0.50356795	0.33119979	0.00172836	0.0375863
Cdk1	0.3306063	0.66412904	0.33472714	0.3294019	6.07E-06	0.00022578
Hist1h2al	0.72178072	0.93749893	0.60817799	0.32932094	0.00803677	0.13961935
Atp5l	3.75932542	1.05414404	0.72533843	0.32880561	0.02193908	0.31095399
Cdh5	0.18737405	0.53363677	0.20485242	0.32878435	4.84E-13	4.40E-11
Hsp90b1	2.85561327	1.18550305	0.85699141	0.32851164	0.04417746	0.53852572
Osr2	0.42920501	0.74181872	0.4135241	0.32829462	0.0002083	0.00582042
Smim22	0.82509094	0.99167139	0.66579673	0.32587466	0.01478118	0.2290405
Nkx6-1	0.66566701	0.89915973	0.57470717	0.32445256	0.00604033	0.1097001
Hist1h2ap	0.27059035	0.60657663	0.28271801	0.32385862	1.77E-07	8.29E-06
Cyb5r3	1.66086215	1.23826485	0.91476608	0.32349877	0.05795805	0.65406109
Cnn2	0.58908583	0.84973848	0.52628838	0.32345009	0.00314553	0.06324898
Capn6	0.48391993	0.77720687	0.4540492	0.32315767	0.00077797	0.01913569
Tcf4	0.91187046	1.03352885	0.71045473	0.32307413	0.02160847	0.30784482
Runx1t1	0.93551366	1.04465436	0.72197821	0.32267615	0.0234673	0.32667262
Ypel3	1.41064728	1.1990519	0.87658398	0.32246792	0.05098261	0.60204511
Emilin1	0.54027759	0.81569845	0.49363818	0.32206027	0.00186337	0.04023457
Fkbp11	0.55060896	0.82257102	0.50067161	0.32189941	0.00213001	0.0450324
Npepl1	0.86282146	1.00721088	0.68563583	0.32157505	0.01853165	0.27376052
Msn	0.4807062	0.77308696	0.45172748	0.32135947	0.00078181	0.01916819

Cst3	2.67415122	1.20133569	0.88068524	0.32065045	0.05276563	0.61699263
Cldn7	0.86530881	1.00715592	0.68692115	0.32023477	0.01910985	0.27931618
Lmo4	0.60359458	0.85592885	0.53571695	0.3202119	0.003939	0.07666679
Gadd45g	0.56904405	0.83275339	0.5130581	0.31969529	0.00280167	0.05708864
Ptgis	0.48145252	0.77143856	0.45226727	0.31917128	0.00085248	0.02075814
Sep-11	0.76610127	0.94937197	0.6335071	0.31586487	0.01332635	0.21145496
Slc9a3r1	0.42288452	0.72452194	0.40870283	0.3158191	0.00029597	0.0080198
Tinagl1	0.33000657	0.64628055	0.33422336	0.31205719	1.66E-05	0.000575
Efemp2	0.9210865	1.02674533	0.71497694	0.31176839	0.0262797	0.35988984
Gm13305	0.620052	0.85740792	0.54626515	0.31114277	0.00566848	0.10411931
Immp1l	1.43535792	1.19261306	0.88155817	0.31105489	0.05836855	0.65722983
Prrx1	0.47822737	0.76052219	0.44993191	0.31059029	0.00107451	0.02528433
Apoc1	0.20846458	0.53547231	0.22526129	0.31021102	4.62E-10	3.00E-08
Anxa5	1.89480512	1.23461273	0.92693971	0.30767303	0.07002552	0.74657023
Hn1	1.59551355	1.21241632	0.90745005	0.30496627	0.06758354	0.73016166
Csrp1	0.65790416	0.87263107	0.56994645	0.30268463	0.00911402	0.15531645
Cenpf	0.23169059	0.548395	0.24719547	0.30119953	3.03E-08	1.62E-06
Cdh11	0.50343804	0.76864961	0.46799824	0.30065137	0.00214544	0.04529563
Nusap1	0.24073872	0.55560817	0.25559133	0.30001683	9.03E-08	4.41E-06
Arf4	2.16124912	1.22144462	0.92233885	0.29910577	0.07469801	0.77879592
Fabp4	0.178635	0.49518685	0.19625495	0.2989319	6.37E-12	5.09E-10
Serping1	0.78007723	0.9398733	0.64130023	0.29857307	0.01923736	0.28090978
Uqcc2	2.12318281	1.22218957	0.92387925	0.29831032	0.07558133	0.78584943
Figf	0.40869269	0.69473206	0.39776545	0.29696661	0.00045165	0.01185754
G0s2	0.34641199	0.64468724	0.34789414	0.2967931	7.45E-05	0.0022481
Phlda3	0.57285141	0.81054623	0.51558969	0.29495654	0.00549172	0.10192875
Txnip	1.25408544	1.13244453	0.83833713	0.2941074	0.05942509	0.66469518
Cox17	1.61864194	1.20165255	0.91015261	0.29149994	0.07724921	0.79719302
Fcgrt	0.61440745	0.83262965	0.54266508	0.28996457	0.00876402	0.14985587
Ltbp4	0.52767843	0.77469161	0.48496815	0.28972346	0.00395559	0.07669505

Ifi27	0.56656813	0.79904244	0.51140675	0.28763569	0.00620288	0.11211645
Aldh2	0.79878831	0.93876484	0.65159399	0.28717085	0.02504059	0.34478439
Gja4	0.11238716	0.41514815	0.12823721	0.28691094	1.31E-23	2.42E-21
O610011F06I	1.11952735	1.08212442	0.79611204	0.28601238	0.0551178	0.63521283
Rps20	4.10017548	0.95304785	0.66780504	0.28524281	0.02879056	0.38593062
Gatsl2	0.67257617	0.86361047	0.57891598	0.28469449	0.01439963	0.22450139
2700094K13I	1.0904801	1.07038438	0.78584743	0.28453695	0.05373715	0.62276574
Ly6h	0.46096682	0.72126653	0.43730936	0.28395718	0.0019468	0.04173942
Ckb	0.63415332	0.8389671	0.55517991	0.28378719	0.01153035	0.18806099
Cirbp	1.37245928	1.15187642	0.86830581	0.28357061	0.0732727	0.77027545
Lox	0.47839062	0.73303914	0.45005028	0.28298886	0.00259202	0.05338923
Reep5	1.31833385	1.13790257	0.85538174	0.28252083	0.0710083	0.75390782
Cd248	0.54146822	0.77663864	0.49445238	0.28218626	0.0055883	0.10359485
Tubb2b	0.50243266	0.74916697	0.46728605	0.28188092	0.00366221	0.0720171
Lyz2	0.10814632	0.40543296	0.12370417	0.28172879	2.15E-24	4.24E-22
Hnrnpa1	2.5162952	1.17756669	0.89629209	0.2812746	0.08148964	0.82790075
Rps26-ps1	1.51653532	1.17709624	0.89610264	0.2809936	0.08165546	0.82804847
Rph3al	0.79695419	0.93157548	0.65059211	0.28098337	0.0274285	0.371274
Sh3bgrl3	1.59294449	1.18594836	0.90715315	0.27879521	0.08592753	0.85989757
Ncam1	0.82115788	0.94209854	0.66369286	0.27840568	0.0311018	0.40827162
Nfia	0.70221192	0.8750737	0.59668816	0.27838554	0.01903489	0.27875656
Plxdc2	0.5065338	0.74824246	0.47018703	0.27805543	0.00428173	0.08228392
Cldn3	0.46597159	0.71771219	0.44099137	0.27672081	0.00263862	0.05412906
Grb10	1.85096135	1.20201111	0.92594459	0.27606652	0.0925128	0.90084241
Nkx2-2	0.72319104	0.88452697	0.60899857	0.2755284	0.02214585	0.3131526
Tyrobp	0.0723122	0.35858298	0.08460354	0.27397944	2.72E-47	1.01E-44
Tagln	0.25029329	0.53779219	0.26436869	0.2734235	2.13E-06	8.63E-05
Alcam	0.89470149	0.9736728	0.7018943	0.2717785	0.0425918	0.52297082
Tmed3	1.7264357	1.19163958	0.92006396	0.27157561	0.09472444	0.90650187
Fam159b	0.38362259	0.64844335	0.37806498	0.27037837	0.00073806	0.01836219

Marcks1	2.41931081	1.17327268	0.90441824	0.26885444	0.0931614	0.90318385
mt-Nd2	3.09297441	1.09095887	0.82509454	0.26586433	0.07600382	0.78862391
Klf2	0.30033559	0.57472543	0.30890362	0.26582181	6.52E-05	0.00199916
Cks1b	0.94751688	0.99333671	0.72769127	0.26564544	0.05230761	0.61257938
Timp3	0.41778988	0.66956386	0.40479444	0.26476942	0.00181991	0.03940815
Igfbp3	0.30436048	0.57693548	0.31238401	0.26455147	8.33E-05	0.00249785
Pdlim2	0.4815407	0.71679122	0.45233103	0.26446019	0.00467245	0.08889359
Sytl4	0.44796585	0.69143258	0.42766258	0.26377	0.00305404	0.06165266
Cldn6	0.64012696	0.8215343	0.55892367	0.26261063	0.01836417	0.27287764
Ccnb2	0.24111777	0.51841051	0.25594129	0.26246922	2.57E-06	0.00010308
Clec14a	0.19258651	0.47218066	0.20994106	0.26223961	1.40E-08	7.73E-07
H2afv	1.68503052	1.1784478	0.91707305	0.26137474	0.1025703	0.90650187
Dusp1	0.60924523	0.80050561	0.53935616	0.26114945	0.01567874	0.23953021
Slit2	0.44964985	0.68967579	0.42891885	0.26075694	0.00343933	0.06861061
Arl6ip1	1.34142953	1.12130389	0.86109102	0.26021287	0.08956855	0.88411139
C1qc	0.07639138	0.34766486	0.08914028	0.25852458	2.46E-38	7.48E-36
Gpx1	1.22305896	1.0875194	0.82929582	0.25822358	0.08313954	0.83917943
Fkbp10	0.57577709	0.77527248	0.51752918	0.25774329	0.01341335	0.21259066
Mgst3	0.83783702	0.93021162	0.67257003	0.2576416	0.04428593	0.53941543
Mef2c	0.3316995	0.59287039	0.33564464	0.25722575	0.00032847	0.00882158
Hepacam2	0.72498143	0.86723827	0.61003889	0.25719938	0.03044327	0.40263779
Esam	0.2001943	0.47432204	0.21731555	0.25700649	7.30E-08	3.69E-06
Zfos1	1.22000934	1.08332343	0.82838781	0.25493561	0.08563548	0.85918035
Mageh1	1.26124321	1.09511087	0.84036721	0.25474366	0.08889139	0.87871497
Fcer1g	0.07705123	0.34239121	0.0898719	0.25251932	4.17E-36	1.15E-33
Sepw1	2.59706941	1.14018456	0.88857554	0.25160902	0.10404809	0.90650187
Hic1	0.45054189	0.68042932	0.42958349	0.25084583	0.00471698	0.08962858
Marcks	1.79229207	1.17381717	0.92385926	0.24995791	0.11452759	0.90650187
H2afx	0.88132296	0.94466472	0.69512789	0.24953682	0.05525751	0.63634042
Kcnj8	0.36434409	0.61208648	0.36257549	0.24951098	0.00110927	0.02594157

Serpinb6a	0.71800896	0.85494397	0.60597871	0.24896526	0.0338898	0.43768805
Icam2	0.15316586	0.41949632	0.17071111	0.24878521	4.62E-11	3.31E-09
Ehd2	0.51122751	0.71974699	0.47349372	0.24625327	0.01038723	0.17284887
Spc25	0.33497905	0.58439949	0.338391	0.24600848	0.00061478	0.01560147
Tpi1	1.90480259	1.17227303	0.92703786	0.24523517	0.11979258	0.90650187
Sat1	0.47186469	0.690402	0.44530383	0.24509817	0.00720472	0.12705213
Rplp1	4.52678401	0.84630248	0.60245439	0.24384809	0.03597821	0.45842817
Filip1l	0.43644006	0.66270359	0.41900712	0.24369647	0.00486069	0.09161836
Gars	1.40373464	1.11882222	0.87513705	0.24368517	0.10787738	0.90650187
Nr2f2	0.51310943	0.71825223	0.47481551	0.24343672	0.01132607	0.18532566
Fxyd6	1.18889858	1.06245121	0.81904463	0.24340659	0.09322383	0.90318385
Ece1	0.80204305	0.89580326	0.65336824	0.24243502	0.04951639	0.58758681
Mrfap1	3.21433485	1.05282938	0.81069652	0.24213285	0.09212525	0.8999974
Gstm1	0.52854152	0.72768809	0.48556526	0.24212282	0.01331967	0.21145496
Ifi27l2a	0.22018048	0.47622612	0.23639559	0.23983053	3.24E-06	0.0001259
Tuba1c	0.27152132	0.52280389	0.28355027	0.23925363	8.80E-05	0.0026289
Ccnb1	0.19242505	0.44856873	0.20978388	0.23878486	2.09E-07	9.74E-06
Ccnd1	0.44252985	0.66160624	0.42359286	0.23801338	0.00624569	0.11275623
Sox4	0.92910694	0.95681683	0.71887892	0.23793791	0.07058776	0.7508779
Spint1	0.73833063	0.85526624	0.61774725	0.23751899	0.04369761	0.53353204
Ntrk2	0.35529998	0.59189532	0.35520386	0.23669146	0.00152652	0.0338024
Btbd17	0.29142326	0.53706775	0.3011436	0.23592415	0.00024809	0.00678277
Nenf	2.01115436	1.16290817	0.9270068	0.23590136	0.12896401	0.90650187
Ccna2	0.19205135	0.44503447	0.20941996	0.23561451	2.84E-07	1.30E-05
Cdc20	0.22453395	0.47577277	0.24049667	0.2352761	6.83E-06	0.00024975
Basp1	0.50563033	0.70306957	0.4695489	0.23352067	0.01352025	0.21363965
Aplp2	1.07928209	1.01525435	0.7817413	0.23351305	0.09209864	0.8999974
Prnp	1.26117984	1.07297981	0.84034931	0.23263051	0.10922517	0.90650187
Fbln5	0.24350689	0.49037535	0.25814376	0.23223159	3.18E-05	0.00102491
Colec12	0.43705575	0.65155768	0.41947196	0.23208572	0.00695328	0.12347759

Aqp1	0.26677899	0.5111418	0.2793023	0.2318395	0.00011206	0.00326957
Plat	0.4307725	0.64631069	0.41471524	0.23159545	0.00652092	0.11661715
Ly6e	1.27350604	1.07466689	0.84377609	0.2308908	0.11189816	0.90650187
Rps8	5.08411867	0.7763585	0.54817066	0.22818784	0.03211504	0.42043551
Id1	0.24948829	0.49142447	0.26363277	0.22779171	6.12E-05	0.00189121
Vimp	1.24550966	1.06339739	0.83588306	0.22751433	0.11313471	0.90650187
Rps4x	4.64177548	0.81537024	0.5879031	0.22746714	0.04271065	0.52400696
Stard10	0.7102419	0.82834125	0.60142637	0.22691488	0.04674163	0.56167548
Aplnr	0.11787777	0.36015718	0.13407313	0.22608405	3.28E-14	3.23E-12
Lockd	0.24795941	0.48787114	0.26223336	0.22563778	6.53E-05	0.00199916
Ccl6	0.05270724	0.28793032	0.0624603	0.22547002	2.96E-58	1.45E-55
Hes6	0.76143932	0.85594574	0.63088669	0.22505906	0.05638086	0.64487995
Nupr1	0.31479091	0.54539631	0.32133657	0.22405975	0.00096823	0.02314468
Rab3a	0.74924172	0.84758762	0.62398254	0.22360507	0.05557004	0.63800617
Gpm6a	0.14552651	0.38643123	0.1629047	0.22352654	5.30E-10	3.43E-08
Blvrb	0.45358348	0.65482488	0.4318455	0.22297938	0.01085375	0.17894566
Ubc	2.92492328	1.0689415	0.84716142	0.22178008	0.12224764	0.90650187
Ecscr	0.19005182	0.42924415	0.20747024	0.22177391	1.01E-06	4.31E-05
Fosb	0.51713306	0.69830166	0.47763388	0.22066777	0.01999372	0.28862725
Svbp	0.7309935	0.83198544	0.61352103	0.21846442	0.05671017	0.64678604
Grn	0.74190351	0.83675663	0.61979559	0.21696104	0.05983076	0.6677587
Gnao1	0.73967883	0.83437431	0.61852104	0.21585327	0.06039806	0.67260871
Rgcc	0.1781158	0.41153926	0.19574154	0.21579772	4.76E-07	2.12E-05
Hspb1	0.24377953	0.47259209	0.25839474	0.21419735	0.00011426	0.00332637
S100a1	0.55338198	0.71654337	0.502548	0.21399537	0.02917684	0.39007667
Gm8730	4.32912695	0.84382595	0.6299561	0.21386985	0.06561342	0.7130802
Pdia4	1.5162456	1.10908523	0.89605467	0.21303056	0.14527611	0.90650187
Trf	0.1505738	0.38056926	0.16807014	0.21249911	9.50E-09	5.35E-07
Enpp2	0.55302337	0.71475119	0.50230561	0.21244558	0.03003846	0.39948788
Cldn10	0.19025111	0.41984766	0.20766476	0.21218291	2.78E-06	0.00011048

Cdca8	0.22985939	0.45606262	0.24548633	0.2105763	6.85E-05	0.00208769
Axl	0.47565645	0.65829772	0.4480652	0.21023252	0.01849467	0.27348002
Fkbp4	1.91575535	1.13732444	0.92712656	0.21019788	0.15674964	0.90650187
Prc1	0.19646874	0.42340376	0.21371214	0.20969162	6.44E-06	0.00023663
Pim2	0.51089695	0.68290247	0.47326131	0.20964117	0.02446071	0.33833232
Bambi	0.88631033	0.90703062	0.69766292	0.2093677	0.09108219	0.89440591
Ranbp1	2.16039426	1.13167695	0.92237881	0.20929814	0.15654532	0.90650187
Emcn	0.1378566	0.36427066	0.15499803	0.20927263	9.73E-10	6.04E-08
Thbd	0.30042335	0.51800335	0.30897967	0.20902368	0.0013173	0.02979808
Slc9a3r2	0.41745975	0.61351433	0.40454045	0.20897388	0.01082447	0.1786566
Arg1	0.22669718	0.4512019	0.24252696	0.20867494	6.54E-05	0.00199916
Lhfp	0.42876893	0.62112175	0.41319239	0.20792936	0.01263837	0.20308233
Rgs5	0.29065503	0.50833764	0.30047124	0.2078664	0.00105083	0.02488117
Ctsz	1.36321312	1.07379075	0.86619916	0.20759159	0.14334176	0.90650187
Pgrmc1	1.63560176	1.11885129	0.9120452	0.2068061	0.15671751	0.90650187
Galk1	0.5580306	0.71164749	0.50568304	0.20596445	0.03509417	0.45018271
Tmsb15l	0.41663959	0.60972082	0.40390908	0.20581174	0.01174845	0.19120241
Gfra3	0.41321737	0.6070709	0.40126922	0.20580168	0.01130241	0.18513783
8430408G22	0.11883592	0.3408149	0.13508775	0.20572715	6.43E-12	5.09E-10
Rbms3	0.74776851	0.82731494	0.623144	0.20417094	0.07261517	0.76707662
Hmgn2	2.92400445	1.0513844	0.84729089	0.20409351	0.14211898	0.90650187
Sox18	0.13941755	0.36035842	0.15661275	0.20374567	3.66E-09	2.11E-07
Nefm	0.28692102	0.49944349	0.29719555	0.20224794	0.00124181	0.02842881
Phgdh	0.38115701	0.57777445	0.37610072	0.20167373	0.00856664	0.14730942
Celf3	0.56410933	0.71136775	0.50976282	0.20160493	0.03935821	0.49201005
Ctsl	1.82099184	1.12632185	0.92502558	0.20129627	0.16666821	0.90650187
Eif4ebp1	0.72887166	0.81316139	0.61229405	0.20086734	0.07236348	0.76601483
Abi3bp	0.38562873	0.58050401	0.37965971	0.2008443	0.00934201	0.15778647
mt-Nd4	4.18087853	0.85518147	0.65445771	0.20072376	0.08636593	0.86189704
Plp2	0.89110212	0.90062913	0.70008508	0.20054405	0.10142501	0.90650187

Atp6v1g1	1.92615683	1.12771147	0.92720597	0.20050551	0.16818835	0.90650187
Ddost	2.16688408	1.12237286	0.92207319	0.20029968	0.16709514	0.90650187
Spon1	0.28775988	0.49816018	0.29793255	0.20022764	0.00140542	0.0315101
Smarca1	0.6646184	0.77417802	0.57406593	0.20011209	0.06060895	0.6744631
Ndufa1	1.65639679	1.11386717	0.91428611	0.19958106	0.16591388	0.90650187
Insm1	0.62711981	0.75020137	0.55074703	0.19945434	0.05370036	0.62276574
Mmp23	0.39096886	0.58327235	0.38388939	0.19938296	0.01047341	0.17399602
Lgals3	0.13096745	0.34708937	0.14783708	0.19925229	1.04E-09	6.42E-08
Tspan13	0.71061619	0.80034897	0.60164645	0.19870251	0.07102138	0.75390782
Smc4	0.52447359	0.68065594	0.48274682	0.19790912	0.03418644	0.44077021
Plk2	0.3585022	0.55556982	0.35782153	0.19774829	0.00700821	0.12416293
Vkorc1	1.16858029	1.00995472	0.81253289	0.19742183	0.14003706	0.90650187
Lpar4	0.36552567	0.56089436	0.36353367	0.19736069	0.0079001	0.13755945
Ndrp2	0.47875875	0.64680021	0.45031716	0.19648304	0.02620726	0.35922146
Cdc42ep2	0.45566934	0.62971336	0.43339297	0.19632039	0.0220157	0.31160212
Serpina1	0.32789501	0.52857976	0.3324472	0.19613256	0.00436108	0.08359735
Dynll2	1.1777953	1.0115019	0.81550383	0.19599807	0.14265735	0.90650187
Glud1	1.32560175	1.05301559	0.85719469	0.19582091	0.15491669	0.90650187
Rhoj	0.48310412	0.64913055	0.45346049	0.19567005	0.02753666	0.37240641
F13a1	0.06272922	0.26940631	0.07385062	0.19555569	2.72E-32	6.79E-30
Aldoa	2.27613199	1.11096192	0.91576784	0.19519407	0.17167368	0.90650187
Creld2	0.84710671	0.87263143	0.67744823	0.1951832	0.10012368	0.90650187
Pros1	0.43567285	0.61356459	0.4184275	0.19513709	0.01907475	0.27907146
Tcf7l2	0.75789839	0.82390504	0.62888951	0.19501553	0.08401514	0.84633148
Tmem100	0.19201189	0.40368012	0.20938152	0.1942986	1.85E-05	0.00063079
Cygb	0.33360069	0.53073537	0.33723785	0.19349753	0.00537437	0.09987259
Ldhd	0.45739234	0.62781767	0.43466893	0.19314874	0.02410901	0.33407568
Fkbp2	1.31889361	1.04805269	0.85552029	0.1925324	0.15854131	0.90650187
Atp2a2	0.9545975	0.92336663	0.73102413	0.19234251	0.12106082	0.90650187
Smpd3	0.64781549	0.75563901	0.56371191	0.1919271	0.06506411	0.70962289

Rpl23	4.62605306	0.78161914	0.58975921	0.19185993	0.07405486	0.77635035
Selenbp1	0.43019653	0.6060146	0.41427776	0.19173683	0.01981792	0.2866918
Cxxc4	0.68516049	0.77820154	0.58651841	0.19168312	0.07312692	0.76980766
Sox17	0.08958651	0.29506332	0.10365292	0.19141039	1.11E-16	1.29E-14
Rarres1	0.10509726	0.3115394	0.12043119	0.19110821	8.66E-13	7.44E-11
Tyms	0.42372593	0.59975424	0.40934636	0.19040788	0.01932573	0.28165907
Plod2	0.50663639	0.66064464	0.47025946	0.19038518	0.03594534	0.45839356
Cck	0.14647617	0.35419216	0.1638789	0.19031327	1.22E-07	5.84E-06
Sfr1	2.10532049	1.11454904	0.92455995	0.18998909	0.18048095	0.90650187
Atp6v1e1	1.36440555	1.05615803	0.86647362	0.18968441	0.16522406	0.90650187
Adamts1	0.48089168	0.64144474	0.45186167	0.18958307	0.0310768	0.40827162
Fxyd5	0.18296963	0.3898518	0.20052976	0.18932204	1.35E-05	0.00047447
Cyr61	0.26412607	0.46480147	0.27691667	0.1878848	0.00127943	0.02915831
Glipr2	0.39225799	0.57255432	0.38490713	0.18764719	0.01510636	0.23203229
Smc2	0.34754037	0.53562499	0.34882578	0.18679921	0.00864082	0.14793535
Rplp0	5.08711266	0.73519098	0.5485382	0.18665279	0.06517537	0.71020133
Pkm	2.39753334	1.0927369	0.90627352	0.18646338	0.18018199	0.90650187
Rps2	4.74405855	0.76096074	0.57455214	0.1864086	0.0746033	0.77834237
Loxl2	0.45614429	0.61920053	0.4337449	0.18545564	0.02866404	0.38525378
Ndufv3	1.93056399	1.11247474	0.92723407	0.18524067	0.18723462	0.90650187
Ednrb	0.14458437	0.34690146	0.16193718	0.18496428	1.91E-07	8.93E-06
Cyb5a	1.14705357	0.9903504	0.8055892	0.18476119	0.15396005	0.90650187
Gas1	0.42259576	0.59297241	0.40848186	0.18449055	0.02232935	0.31488391
Plpp3	0.39423594	0.57032238	0.38646619	0.18385619	0.01721759	0.25913331
Foxa2	0.56678443	0.69505479	0.51155119	0.1835036	0.05538659	0.63691881
Fdps	0.84721309	0.86084395	0.677504	0.18333995	0.11448247	0.90650187
Etv1	0.30734825	0.49806608	0.31495826	0.18310782	0.00487531	0.09171982
Eva1b	1.38245107	1.05345005	0.8705341	0.18291595	0.17512426	0.90650187
Gstz1	0.81134172	0.84110465	0.65841187	0.18269278	0.10868638	0.90650187
1110008P14I	0.90158936	0.88790402	0.70534234	0.18256168	0.12493952	0.90650187

Ywhaq	2.65918295	1.06395641	0.88225864	0.18169777	0.17995003	0.90650187
Cela2a	0.09518867	0.29070294	0.10974044	0.1809625	1.14E-13	1.11E-11
S100a13	0.77462957	0.81919429	0.63827306	0.18092124	0.10381192	0.90650187
Slbp	0.95278874	0.91093591	0.73017455	0.18076136	0.1355462	0.90650187
Kdm6b	0.74136238	0.79995743	0.61948584	0.18047159	0.09764022	0.90650187
Sez6l2	0.60476226	0.71685883	0.53647046	0.18038837	0.06747854	0.73016166
Rab3b	0.43275876	0.59640365	0.41622204	0.18018162	0.02714639	0.36811082
Krtcap2	2.12697688	1.1038745	0.92372922	0.18014528	0.19297641	0.90650187
Arap1	0.51325052	0.65492296	0.47491451	0.18000845	0.04599108	0.55397026
Cldn11	0.36069819	0.53951948	0.35961181	0.17990766	0.01307217	0.20850997
Sulf1	0.24290237	0.43719357	0.25758699	0.17960658	0.00096836	0.02314468
Mcm6	0.46986446	0.62302958	0.44384318	0.1791864	0.03634594	0.46195203
Ddc	0.36091212	0.53778091	0.35978601	0.1779949	0.01392653	0.21862316
Rps5	4.88183483	0.73376258	0.55580716	0.17795542	0.07731433	0.79732372
Msln	0.09713513	0.28966815	0.11184535	0.1778228	7.86E-13	6.82E-11
Col15a1	0.28765165	0.47532601	0.2978375	0.17748852	0.00403361	0.07800875
Aspn	0.20206292	0.39638443	0.21911713	0.1772673	0.00016125	0.00461604
Idh2	1.70469314	1.09569035	0.91854672	0.17714363	0.1956273	0.90650187
Sox9	0.46380319	0.61651795	0.43939822	0.17711973	0.03656594	0.46397228
Lmnb1	0.70368712	0.7744937	0.59756101	0.17693269	0.0940357	0.90650187
Hmgn1	2.80837575	1.04102707	0.86416769	0.17685938	0.18145563	0.90650187
Zim1	0.53547967	0.66712825	0.49034823	0.17678002	0.05449747	0.62997415
Pi15	0.28605795	0.47281777	0.2964366	0.17638118	0.00408265	0.07885695
Sgk1	0.23714038	0.42860692	0.25226214	0.17634478	0.00094269	0.0226738
Rps12	3.65185469	0.92080684	0.74482888	0.17597795	0.14677933	0.90650187
Scd2	0.98839506	0.92175106	0.74591637	0.17583469	0.14732811	0.90650187
Papss2	0.52132077	0.6563749	0.48055517	0.17581973	0.05192115	0.6091644
Ptgds	0.18773521	0.38084743	0.20520595	0.17564147	7.09E-05	0.00214595
Mrps33	1.78159253	1.09877571	0.92332993	0.17544578	0.1991313	0.90650187
Frzb	0.32668592	0.50682608	0.33142844	0.17539764	0.00931905	0.15774927

Cpxm1	0.3730332	0.54427091	0.3695947	0.17467621	0.01781773	0.26605824
Dab2	0.31789434	0.4986343	0.32398185	0.17465244	0.00827531	0.14309708
Gnb1	1.27104234	1.01747804	0.84310729	0.17437075	0.17893363	0.90650187
Tspo	0.54193783	0.66883601	0.49477328	0.17406273	0.0589114	0.66187153
Igfbpl1	0.2437418	0.43239332	0.25836001	0.17403331	0.00137405	0.03094356
Cd164	1.28356513	1.02050335	0.84648661	0.17401674	0.18038289	0.90650187
Fcna	0.05027624	0.23368776	0.05967475	0.174013	9.85E-39	3.06E-36
Wls	0.86640938	0.86078762	0.68748845	0.17329916	0.1312228	0.90650187
Wfdc2	0.21535469	0.4046247	0.2318265	0.1727982	0.00046043	0.01206716
Serinc3	1.04348196	0.94085153	0.76818319	0.17266834	0.15883415	0.90650187
Pdgfra	0.31541963	0.49427466	0.32187315	0.17240152	0.00862927	0.14793535
Prps1	0.76033772	0.80128829	0.63026598	0.17102231	0.11384847	0.90650187
Pdia3	2.8754312	1.02519496	0.85432966	0.1708653	0.18696984	0.90650187
Ssr3	1.54360329	1.07020437	0.90048519	0.16971918	0.20104714	0.90650187
Lrp1	0.41555177	0.57260128	0.4030709	0.16953038	0.03075521	0.40582465
Pcp4	0.3278261	0.5016975	0.33238917	0.16930833	0.01177327	0.19120241
Tpst1	0.7301421	0.78229	0.61302895	0.16926105	0.10982504	0.90650187
Lsr	0.78318792	0.81224879	0.64302283	0.16922596	0.12100821	0.90650187
Hap1	0.53324717	0.65794401	0.48881251	0.1691315	0.0619997	0.6859224
Thra	0.91683392	0.88170715	0.71289802	0.16880913	0.14624209	0.90650187
Dpysl2	1.00855679	0.92303057	0.75423023	0.16880035	0.15988077	0.90650187
Rpl22l1	3.87939428	0.87285818	0.70421706	0.16864111	0.14352768	0.90650187
Ccdc34	0.71263861	0.77103793	0.60283444	0.16820349	0.10741047	0.90650187
Rhob	0.82577474	0.83380355	0.66616183	0.16764172	0.13162323	0.90650187
Nkx2-3	0.29845098	0.47467544	0.30726899	0.16740645	0.00771645	0.13482509
Mki67	0.21822291	0.40169448	0.23454503	0.16714946	0.00076698	0.01889617
Bloc1s1	0.64015806	0.72593735	0.5589431	0.16699424	0.0920553	0.8999974
Lamb1	0.77565486	0.80558314	0.63884382	0.16673932	0.12296114	0.90650187
Nsg1	0.35141329	0.51845204	0.35201536	0.16643668	0.01777967	0.26601254
Rpl23a-ps3	3.15254667	0.98450793	0.81813631	0.16637162	0.18298878	0.90650187

Gpihbp1	0.1013862	0.28267825	0.11643188	0.16624638	1.09E-10	7.55E-09
Mien1	1.29153725	1.01461849	0.84861195	0.16600654	0.19224445	0.90650187
Cd47	1.37206079	1.03296142	0.86821634	0.16474508	0.19945792	0.90650187
Ffar4	0.5844132	0.68783304	0.52322486	0.16460818	0.08096623	0.82601856
Tcf21	0.30180905	0.47442911	0.31017942	0.16424968	0.00928413	0.15744466
Col6a6	0.29266072	0.46646062	0.30222551	0.1642351	0.00784975	0.13683959
Taldo1	1.57844846	1.06964639	0.90544734	0.16419905	0.2100661	0.90650187
Krtdap	0.13480099	0.31554899	0.15182882	0.16372017	8.18E-07	3.55E-05
Cela3b	0.101235	0.27994434	0.11626857	0.16367577	1.95E-10	1.31E-08
Ubl5	2.39011078	1.06998036	0.90689637	0.16308399	0.2120183	0.90650187
Slc39a1	0.49673442	0.62607978	0.46323703	0.16284276	0.05905288	0.66199323
Sema3c	0.27578497	0.44972027	0.28735033	0.16236993	0.00600194	0.10913328
Trip6	0.45536096	0.59545514	0.43316438	0.16229076	0.04789604	0.57238027
Ptbp3	1.02417603	0.92247877	0.76054379	0.16193498	0.17193191	0.90650187
Acaa2	0.53180384	0.64972334	0.48781799	0.16190535	0.07004128	0.74657023
Usp9x	0.91662075	0.87467761	0.71279363	0.16188398	0.15633138	0.90650187
Lyve1	0.12070613	0.29886636	0.13706497	0.16180139	7.69E-08	3.85E-06
Fam162a	0.8270002	0.82842926	0.66681566	0.16161359	0.14063633	0.90650187
Ssr4	2.19854227	1.0820573	0.9204956	0.1615617	0.2176145	0.90650187
Rpl12	3.12798545	0.98246777	0.82102974	0.16143803	0.19102267	0.90650187
Lama4	0.40772479	0.55841649	0.39701394	0.16140255	0.03535601	0.4531591
F2r	0.40124795	0.55294849	0.39196682	0.16098167	0.03393863	0.43794666
Entpd2	0.30191125	0.47117879	0.31026784	0.16091095	0.01056711	0.17497889
Gstm5	0.75522527	0.78797803	0.62737798	0.16060005	0.12755743	0.90650187
Aldh1a2	0.10543845	0.28130859	0.12079802	0.16051057	1.74E-09	1.03E-07
Arhgap31	0.30391913	0.47216254	0.31200307	0.16015947	0.01124325	0.18456665
Cmtm7	0.35448085	0.51460965	0.35453291	0.16007674	0.02236122	0.31488391
Slc6a6	0.72734897	0.77148037	0.61141222	0.16006815	0.12223979	0.90650187
Mia	0.28227947	0.45299509	0.29310593	0.15988916	0.00765258	0.13407494
Ctsb	1.54871409	1.06056027	0.9012907	0.15926958	0.21605227	0.90650187

Alas2	0.03284707	0.19867722	0.03943965	0.15923757	2.44E-72	1.42E-69
Sox11	0.26828827	0.43983484	0.28065654	0.1591783	0.00584464	0.1065174
Tmed10	2.33386388	1.07032691	0.91148523	0.15884168	0.21925199	0.90650187
Pid1	0.28823418	0.45672928	0.29834898	0.15838031	0.00913805	0.15555157
Slc24a5	0.59705852	0.68951535	0.53148489	0.15803046	0.09310971	0.90318385
Dmkn	0.08589902	0.25759191	0.09962203	0.15796987	8.99E-13	7.67E-11
Rnase4	0.97797899	0.89907475	0.7414588	0.15761595	0.17232258	0.90650187
Pebp1	2.89683887	1.00893286	0.85133576	0.15759711	0.20526556	0.90650187
Ankrd44	0.52869841	0.64325998	0.48567375	0.15758623	0.07458592	0.77834237
Klf4	0.32657456	0.48847273	0.33133455	0.15713818	0.01749967	0.26285818
Foxp1	0.89017186	0.85668664	0.69961666	0.15706998	0.15912101	0.90650187
Tgfb1i1	0.42113417	0.56403288	0.40736246	0.15667041	0.04365446	0.53343368
Lxn	0.39680714	0.54515568	0.38848779	0.15666788	0.03650187	0.46354636
Slc43a3	0.36231453	0.51724241	0.36092703	0.15631538	0.02709179	0.36769854
Cpa2	0.08970007	0.25990653	0.10377676	0.15612978	1.13E-11	8.58E-10
Mapre3	0.63160951	0.7093712	0.55357979	0.15579141	0.10544781	0.90650187
Rnf130	0.71449783	0.75958413	0.6039248	0.15565933	0.12593105	0.90650187
Prrg2	0.65167478	0.72168614	0.56610323	0.15558291	0.11089315	0.90650187
Col5a3	0.22821551	0.39930873	0.24394915	0.15535957	0.00231873	0.04848274
Tfpi	0.46723748	0.59708944	0.44191994	0.1551695	0.05926575	0.6638899
Dnajb9	0.7076624	0.75505356	0.59990776	0.1551458	0.12513263	0.90650187
Fap	0.3215387	0.48167491	0.32707742	0.15459749	0.01780842	0.26605824
Dtymk	0.84824772	0.83246601	0.67804612	0.15441989	0.15566068	0.90650187
Pdpn	0.21122028	0.38215202	0.22789295	0.15425907	0.00130969	0.02971432
Fam174b	0.65031021	0.71950946	0.56525861	0.15425085	0.1125379	0.90650187
Fn1	0.31930819	0.47915637	0.3251842	0.15397217	0.01764741	0.26481566
Cav2	0.16456838	0.33578898	0.18223761	0.15355138	8.99E-05	0.00267965
Cotl1	1.17040435	0.96630453	0.81312332	0.15318121	0.20115835	0.90650187
Tmem119	0.31586111	0.47526096	0.32224972	0.15301124	0.01739168	0.26149455
Efemp1	0.17728381	0.34788041	0.1949182	0.15296221	0.00024269	0.00665919

Ass1	0.28079822	0.44461491	0.29179664	0.15281827	0.00994993	0.1665737
Tmem176a	0.97844589	0.89410669	0.74165968	0.15244701	0.18041424	0.90650187
Cbx3	1.97416294	1.079467	0.9273178	0.1521492	0.23287526	0.90650187
Slc2a2	0.23617747	0.40348531	0.25136907	0.15211624	0.00356979	0.07065667
Ubl3	0.79317026	0.8003695	0.64852051	0.15184899	0.14895531	0.90650187
Fabp7	0.06472588	0.22785088	0.07610211	0.15174877	3.84E-19	5.21E-17
Lman1	1.38374102	1.02244315	0.87081964	0.1516235	0.21945046	0.90650187
Nucb2	0.737561	0.7683773	0.61730513	0.15107217	0.13830492	0.90650187
Rbms1	0.8475749	0.82810307	0.67769363	0.15040944	0.16190179	0.90650187
Celf2	0.85265907	0.8306623	0.68035261	0.15030969	0.16300957	0.90650187
Psap	1.9395317	1.07652446	0.92728116	0.1492433	0.23714764	0.90650187
Cadm1	0.28674652	0.4457183	0.29704215	0.14867615	0.01303646	0.20837769
Gjd2	0.45374586	0.5801759	0.43196608	0.14820982	0.0635908	0.698442
PISD	0.84952291	0.82633124	0.67871368	0.14761757	0.16679652	0.90650187
Cd200	0.56185551	0.65580389	0.50825275	0.14755114	0.09842008	0.90650187
Plpp1	0.41681083	0.55138267	0.40404094	0.14734172	0.05248947	0.61423585
Lrp11	0.61951651	0.69284611	0.54592445	0.14692165	0.11576603	0.90650187
Socs3	0.26444203	0.4239714	0.27720114	0.14677026	0.0092907	0.15744466
Fkbp9	1.13545502	0.94822612	0.80167278	0.14655334	0.2081954	0.90650187
P3h4	0.69371446	0.73774314	0.59163925	0.14610389	0.13613897	0.90650187
Nme1	2.01697647	1.07304816	0.92694595	0.14610221	0.2417445	0.90650187
Fndc3a	1.04206017	0.91339619	0.76763201	0.14576418	0.19928784	0.90650187
Flt1	0.12635104	0.28821736	0.14300685	0.14521052	3.18E-06	0.00012391
Gpm6b	0.28785812	0.4431195	0.29801882	0.14510068	0.01521316	0.2333554
Nfkbia	0.70099061	0.74082958	0.59596471	0.14486487	0.13993279	0.90650187
Alox5ap	0.10473403	0.264904	0.12004051	0.14486349	4.05E-08	2.14E-06
Uqcrq	2.14800003	1.06761359	0.92289029	0.1447233	0.24285791	0.90650187
Hspg2	0.37654172	0.51711548	0.37241095	0.14470453	0.04204872	0.51797615
S100b	0.19800619	0.35917051	0.21520114	0.14396937	0.00146921	0.03265137
Add3	0.53231062	0.63167791	0.48816733	0.14351059	0.09562135	0.90650187

Pttg1	0.30320421	0.4548835	0.31138564	0.14349786	0.02024585	0.29116103
Anxa1	0.24243928	0.40049422	0.25716024	0.14333398	0.0066087	0.11804792
Bicc1	0.60809356	0.68193237	0.53861591	0.14331646	0.11842445	0.90650187
Rac2	0.04506818	0.19691068	0.05367702	0.14323366	9.23E-33	2.38E-30
Trim47	0.41316947	0.54389345	0.4012322	0.14266125	0.05697674	0.64823856
Dpy30	1.24153596	0.97719711	0.83473131	0.1424658	0.22400303	0.90650187
Ctla2a	0.10778858	0.2654107	0.12332075	0.14208995	1.51E-07	7.17E-06
Srm	0.84009291	0.81577024	0.67376121	0.14200903	0.17437853	0.90650187
Cd302	0.30969394	0.45889412	0.31697376	0.14192037	0.0232704	0.32452608
Epha3	0.36474407	0.50475608	0.36289998	0.14185611	0.04112574	0.50784112
Rpl35	4.5960936	0.73501712	0.59357138	0.14144574	0.14471551	0.90650187
Akr1c13	0.48407463	0.59559604	0.45416079	0.14143525	0.08310951	0.83917943
Vcam1	0.32567566	0.47196959	0.33057626	0.14139333	0.02862058	0.38501019
Gas7	0.18615811	0.34487937	0.20366116	0.14121821	0.00102609	0.02437133
Hmgb3	0.53667124	0.63236273	0.49116663	0.1411961	0.10062783	0.90650187
Gm9844	1.01648048	0.89854523	0.75745269	0.14109254	0.20380869	0.90650187
Sulf2	0.47330435	0.58725564	0.44635343	0.14090221	0.08025436	0.82093036
Kdr	0.13523504	0.29307275	0.15227968	0.14079308	1.98E-05	0.00066453
Phip	1.17991912	0.95657677	0.81618439	0.14039239	0.22222763	0.90650187
Myl12b	1.39569667	1.01378611	0.87343729	0.14034882	0.23750692	0.90650187
Rnaset2a	0.81298901	0.79963827	0.65930147	0.1403368	0.17200353	0.90650187
Spc24	0.30074055	0.44958852	0.30925445	0.14033406	0.02183025	0.31013243
Atf3	0.2342737	0.38982449	0.24960067	0.14022382	0.00625347	0.1127627
Ero1lb	0.4525505	0.57101162	0.43107801	0.13993361	0.07449581	0.77834237
Cdca3	0.18854373	0.34583347	0.20599687	0.1398366	0.00127306	0.02905676
Lmo2	0.1278019	0.28426652	0.14452767	0.13973885	8.61E-06	0.00031171
Gck	0.58164654	0.66087455	0.52140496	0.13946959	0.11719101	0.90650187
Fhl1	0.25556341	0.40833517	0.26917101	0.13916417	0.01076883	0.17793155
Ldb2	0.33660482	0.47884549	0.33974908	0.1390964	0.03437401	0.44281295
Aprt	1.27890278	0.9842953	0.84523431	0.13906098	0.23226526	0.90650187

Dkk2	0.196686	0.35204094	0.21392271	0.13811823	0.00205051	0.04365509
Ostc	2.23330123	1.05647703	0.9185283	0.13794873	0.25217493	0.90650187
Klf6	0.57908071	0.6574851	0.51971316	0.13777194	0.11929949	0.90650187
C1s1	0.24522047	0.39738498	0.25972001	0.13766497	0.00922651	0.1567064
Ehd4	0.24080751	0.39328627	0.25565486	0.13763141	0.00834912	0.14405785
Rpl9	4.53227465	0.73939952	0.60179249	0.13760704	0.15468592	0.90650187
Lst1	0.10473419	0.25764235	0.12004068	0.13760167	1.73E-07	8.16E-06
Gmfg	0.10122156	0.25365387	0.11625405	0.13739982	7.43E-08	3.74E-06
Pdcd4	1.01099653	0.89256852	0.75522523	0.13734329	0.20941108	0.90650187
Anp32b	1.96163865	1.06419412	0.92737142	0.1368227	0.25594529	0.90650187
Uchl1	0.39139027	0.52100803	0.38422223	0.13678581	0.05674869	0.64678604
Rgs17	0.47902626	0.58722885	0.45051104	0.1367178	0.08864919	0.87809516
Tsc22d3	0.39325702	0.52220424	0.38569497	0.13650927	0.05780891	0.65286276
Mapt	0.28573351	0.43257687	0.29615112	0.13642575	0.02028369	0.29142951
Spink4	0.1806732	0.33468531	0.19826758	0.13641772	0.00111115	0.02594569
Cycs	1.64646211	1.04959111	0.91321481	0.13637631	0.25337994	0.90650187
Col12a1	0.35623272	0.49181495	0.35596719	0.13584776	0.04488835	0.54587824
Plp1	0.1127645	0.26390052	0.12863946	0.13526106	1.47E-06	6.17E-05
Ccl9	0.03785539	0.18051287	0.04530216	0.13521071	1.76E-40	5.70E-38
Higd1a	1.11867186	0.93085268	0.79581079	0.13504189	0.2253108	0.90650187
Siva1	0.99627738	0.88422115	0.74918621	0.13503494	0.21148313	0.90650187
Mylk	0.17537531	0.32743604	0.19302666	0.13440938	0.00098211	0.02343655
Rasgrp2	0.21711199	0.36789205	0.23349309	0.13439896	0.00525023	0.09804523
Csf1r	0.04845593	0.1916125	0.05758312	0.13402939	2.15E-25	4.35E-23
Chd7	0.62057178	0.68011951	0.54659569	0.13352381	0.13874299	0.90650187
Pgf	0.39364578	0.51917424	0.38600133	0.13317292	0.06254405	0.68993619
Ptprn2	0.66416017	0.70687328	0.57378554	0.13308774	0.15123657	0.90650187
Fam46a	0.39963742	0.52334217	0.39070684	0.13263533	0.06562721	0.7130802
Rab11a	1.48978805	1.02349953	0.89158516	0.13191437	0.25534967	0.90650187
Anxa3	0.28513246	0.42744339	0.29562201	0.13182138	0.02372011	0.32958806

P3h1	0.52457015	0.61452251	0.48281384	0.13170867	0.11261572	0.90650187
Lig1	0.34134207	0.47471759	0.34369362	0.13102396	0.04505972	0.54752423
Ndufa12	1.87534362	1.05701942	0.92657588	0.13044354	0.26570557	0.90650187
Srgn	0.0747871	0.21759822	0.08735891	0.13023932	1.70E-11	1.28E-09
Ptpn18	0.14684286	0.29428795	0.16425478	0.13003317	0.00021627	0.00601014
Rps11	4.47881597	0.73944417	0.60950719	0.12993698	0.17163329	0.90650187
Fam111a	0.2631319	0.40588767	0.27602095	0.12986673	0.01823538	0.27122902
Fgfbp1	0.06107434	0.20146817	0.07198007	0.1294881	6.35E-16	7.00E-14
Ets1	0.1969102	0.34351482	0.21413994	0.12937488	0.00361718	0.0712237
Rpl22	2.8890383	0.98183466	0.85249368	0.12934099	0.24999968	0.90650187
Sdc1	0.43803088	0.54913954	0.42020762	0.12893191	0.08627729	0.86189704
Vtn	0.10922189	0.25341325	0.12485595	0.1285573	2.35E-06	9.47E-05
Psip1	1.08542656	0.91245899	0.78400019	0.1284588	0.23317989	0.90650187
Tspan4	0.42330552	0.53740429	0.40902489	0.12837941	0.08145832	0.82790075
Sgce	0.5581538	0.63379693	0.50576594	0.12803098	0.1302155	0.90650187
Rps18-ps3	1.57720096	1.0330445	0.9052981	0.1277464	0.26522525	0.90650187
Ptma	4.785946	0.69613516	0.56846443	0.12767073	0.15903464	0.90650187
Phactr2	0.38723721	0.50856904	0.38093605	0.127633	0.06817725	0.73292957
Pls3	0.49066947	0.58647875	0.45890272	0.12757603	0.10824993	0.90650187
Agl	0.30500671	0.44043912	0.31294147	0.12749765	0.03505377	0.45016727
Ffar1	0.26793816	0.40774687	0.28034258	0.12740428	0.0216737	0.30848499
Myadm	0.75461358	0.75434735	0.62703163	0.12731572	0.18335353	0.90650187
Amotl2	0.35304175	0.4806259	0.3533528	0.12727309	0.05466082	0.63138125
Phlda1	0.45107939	0.55716189	0.4299837	0.12717819	0.09427231	0.90650187
Gja1	0.22708202	0.37000771	0.24288765	0.12712006	0.00999072	0.1670726
Zeb1	0.3839858	0.50541717	0.37835394	0.12706323	0.06772182	0.73113595
Ran	2.39709423	1.03328286	0.90631051	0.12697235	0.26670112	0.90650187
Rpsa	4.12620759	0.79041554	0.66363507	0.12678047	0.19786105	0.90650187
Pdap1	2.38222099	1.03400566	0.90756386	0.1264418	0.26783899	0.90650187
Tgfb1	0.16677394	0.31068321	0.18445018	0.12623304	0.00117326	0.02702237

Ctss	0.03948861	0.17291379	0.04720553	0.12570826	1.23E-32	3.12E-30
Myh9	0.542492	0.62081773	0.49515178	0.12566595	0.12960446	0.90650187
H2-K1	0.53136764	0.61315053	0.48751717	0.12563337	0.1259732	0.90650187
Sep-07	1.95282085	1.05280178	0.92734504	0.12545673	0.27377749	0.90650187
Lurap1l	0.37821945	0.49898829	0.37375418	0.12523411	0.06816567	0.73292957
Car2	0.06861603	0.20567595	0.08047199	0.12520396	2.31E-12	1.88E-10
Pdgfrb	0.26302503	0.40100288	0.2759246	0.12507828	0.02194079	0.31095399
Nfix	0.54597422	0.62255794	0.49752495	0.12503299	0.131949	0.90650187
Prkar1a	2.22404245	1.04401145	0.91908219	0.12492925	0.27282756	0.90650187
Madcam1	0.08167428	0.21951691	0.09498029	0.12453661	2.79E-09	1.62E-07
Wt1	0.18539497	0.32713741	0.20291269	0.12422472	0.003248	0.06504981
Rpl18a	4.95565215	0.6711726	0.54724694	0.12392566	0.15703456	0.90650187
Rogdi	0.7240083	0.73281313	0.60947364	0.12333949	0.18415071	0.90650187
Tk1	0.18643892	0.32686718	0.20393642	0.12293077	0.00368369	0.07234588
Ptger3	0.23605646	0.37408725	0.25125678	0.12283047	0.01487894	0.2300154
Tgm2	0.24692506	0.38393732	0.26128514	0.12265218	0.01845078	0.27348002
Hcfc1r1	1.24581256	0.95847525	0.83597015	0.12250511	0.25737157	0.90650187
Dhrs7	0.51581294	0.59914138	0.47671034	0.12243104	0.12678065	0.90650187
Cela1	0.07886815	0.21414874	0.0918832	0.12226553	1.65E-09	9.86E-08
Tmem256	1.85562203	1.04820435	0.92607569	0.12212867	0.27884502	0.90650187
Msmo1	0.49346464	0.58298131	0.46090378	0.12207753	0.1195004	0.90650187
Alad	0.72533875	0.73205656	0.61024634	0.12181022	0.18743721	0.90650187
Pcdh17	0.11021477	0.24765853	0.12591792	0.12174062	8.61E-06	0.00031171
Tpx2	0.15698581	0.29613927	0.17458908	0.12155019	0.00098385	0.02344132
Stbd1	0.37898823	0.49535056	0.37436895	0.12098161	0.07540894	0.78459363
Tmem45a	0.31026371	0.43839009	0.31746259	0.1209275	0.04518821	0.54819953
Calml4	0.41572439	0.52400103	0.40320396	0.12079707	0.09145106	0.89629118
Gip	0.08850441	0.22290899	0.10247202	0.12043696	8.71E-08	4.27E-06
Ctsf	0.78085728	0.76213425	0.64173261	0.12040165	0.20211708	0.90650187
Maged1	2.75942294	0.99097795	0.87073601	0.12024194	0.26963938	0.90650187

Fibin	0.16876168	0.30660134	0.18643956	0.12016179	0.00208354	0.04417626
Atp8b1	0.61120165	0.66070321	0.54061196	0.12009125	0.16168787	0.90650187
Cyp20a1	0.51094581	0.59268542	0.47329567	0.11938975	0.13105608	0.90650187
Rrm2	0.17628107	0.3132677	0.19392487	0.11934283	0.00311088	0.06271674
Tspan6	0.58408812	0.64222205	0.52301126	0.1192108	0.15545983	0.90650187
Ube2l6	0.19165869	0.32814085	0.20903742	0.11910343	0.00565492	0.10411931
Angptl2	0.35183741	0.47138711	0.3523639	0.11902321	0.06659263	0.7225372
Hmgcr	0.69540883	0.71157324	0.59264887	0.11892437	0.1861747	0.90650187
Lifr	0.38768443	0.5001412	0.38129056	0.11885064	0.08291572	0.83803318
Mcpt8	0.03230309	0.15759216	0.03880053	0.11879163	1.73E-42	5.98E-40
Pax4	0.19424949	0.33034541	0.2115584	0.11878702	0.00627757	0.11306327
Rps12-ps3	2.37759723	1.02671554	0.90795242	0.11876312	0.28045184	0.90650187
Hspe1	2.19897868	1.03918064	0.92047274	0.1187079	0.28321287	0.90650187
Rab34	0.78429452	0.7622358	0.64363459	0.11860122	0.20634109	0.90650187
Sdc4	0.25906829	0.39063696	0.27234995	0.11828701	0.02675294	0.3643918
Dstn	2.30758011	1.03160195	0.91350745	0.1180945	0.2827438	0.90650187
Srpx	0.31190552	0.43674782	0.31886959	0.11787824	0.05014687	0.59321604
Lsp1	0.20792793	0.34262318	0.22474787	0.11787531	0.00986027	0.16543711
Emilin2	0.24265722	0.37515294	0.25736111	0.11779184	0.02093985	0.29944183
Sod2	0.94096416	0.84229631	0.72458994	0.11770637	0.23509538	0.90650187
Oxct1	0.69668998	0.71096638	0.59341131	0.11755507	0.1892464	0.90650187
Tacc3	0.2242578	0.35766535	0.24023714	0.1174282	0.01488949	0.2300154
1810037117R	1.58228262	1.02332595	0.9059036	0.11742235	0.2822281	0.90650187
P4ha1	0.59552312	0.64789859	0.53048719	0.1174114	0.16257375	0.90650187
Ucp2	0.7321224	0.73142983	0.61417294	0.11725689	0.1980108	0.90650187
Rasip1	0.14896359	0.28326249	0.16642561	0.11683687	0.00090126	0.0217806
Ghr	0.79458502	0.76589309	0.64929579	0.11659729	0.21234248	0.90650187
Mgll	0.15152961	0.28550677	0.16904489	0.11646188	0.00109654	0.02576265
5330417C22I	0.3976683	0.50555673	0.38916363	0.1163931	0.09182253	0.89877283
Poldip2	0.6178778	0.66103571	0.54488086	0.11615485	0.17164337	0.90650187

Pycr2	1.02011265	0.87505717	0.75891455	0.11614262	0.24814274	0.90650187
Thy1	0.17350325	0.30708353	0.19116727	0.11591626	0.00351268	0.06973982
Vamp5	0.14739885	0.28070556	0.16482441	0.11588115	0.00088746	0.02148122
Ppp1r14a	0.24272886	0.37322269	0.25742713	0.11579556	0.0227654	0.31940792
Rnase1	0.07517034	0.20337948	0.08778479	0.11559469	2.40E-09	1.41E-07
Sema3d	0.16809827	0.30136127	0.18577609	0.11558518	0.00283792	0.05759567
Tmem167	1.55101626	1.01696665	0.90162853	0.11533813	0.28478297	0.90650187
Elk3	0.30605826	0.42910253	0.31384778	0.11525475	0.05128015	0.60427093
Rpl13-ps3	1.70766501	1.03386092	0.91876016	0.11510076	0.28878481	0.90650187
Fam198b	0.15124306	0.28377852	0.16875278	0.11502574	0.00122185	0.02801413
Slc29a1	0.57608229	0.63254929	0.51773122	0.11481807	0.16208885	0.90650187
Rest	0.3790229	0.48920206	0.37439666	0.1148054	0.08640886	0.86189704
Ssr2	2.83792844	0.97436164	0.85956962	0.11479201	0.27635888	0.90650187
Vstm4	0.26364895	0.39102122	0.27648691	0.11453431	0.03276786	0.42536655
Fam212a	0.30872556	0.43060099	0.31614228	0.11445871	0.05375098	0.62276574
Tmem108	0.48326374	0.56799229	0.45357572	0.11441657	0.13105355	0.90650187
Cel	0.0511893	0.1750275	0.06072202	0.11430548	2.92E-17	3.60E-15
Tie1	0.11199617	0.24202451	0.12782021	0.11420431	3.56E-05	0.00114022
Minos1	2.59049841	1.00335484	0.88922254	0.1141323	0.28413659	0.90650187
Crtap	0.48541355	0.56881052	0.45512588	0.11368464	0.13340134	0.90650187
Rtn1	0.0906536	0.21848377	0.10481583	0.11366794	7.14E-07	3.12E-05
Rsu1	0.78909159	0.75993379	0.64628023	0.11365356	0.21716737	0.90650187
Pim1	0.21485965	0.34485692	0.23135644	0.11350048	0.0145933	0.22659495
Fam114a1	0.34751939	0.46203694	0.34880847	0.11322848	0.07449464	0.77834237
Map1lc3a	1.44850939	0.9972022	0.8841027	0.1130995	0.28477732	0.90650187
Creb3l1	0.45037615	0.54239853	0.42946005	0.11293848	0.12118247	0.90650187
Cnih2	0.53277215	0.60125901	0.48848534	0.11277367	0.15236794	0.90650187
Raph1	0.43689333	0.53201572	0.41934936	0.11266636	0.11616105	0.90650187
St3gal4	0.41390507	0.51435644	0.40180041	0.11255604	0.10650261	0.90650187
Tnfaip8	0.39010735	0.4956665	0.38320852	0.11245798	0.09601007	0.90650187

Tapbp	0.54436683	0.60887021	0.49643056	0.11243965	0.15698827	0.90650187
Gprasp2	0.4456672	0.53835548	0.42594454	0.11241094	0.12034996	0.90650187
Pbk	0.12810268	0.25721491	0.14484264	0.11237227	0.00028133	0.00763657
Gltscr2	1.61425835	1.02195383	0.90964751	0.11230633	0.29155054	0.90650187
Thbs2	0.3337766	0.44963868	0.33738511	0.11225357	0.06955328	0.74403902
Hpgd	0.17136733	0.30093663	0.18904069	0.11189594	0.00425145	0.08180549
Snca	0.03914125	0.15863676	0.04680106	0.1118357	1.16E-26	2.52E-24
Exoc7	0.67542349	0.69192691	0.58064321	0.1112837	0.19709963	0.90650187
1500011B03	0.74393934	0.73217226	0.6209597	0.11121256	0.21295831	0.90650187
Atp6v1b2	0.87611191	0.80362916	0.69246864	0.11116051	0.23772376	0.90650187
Ube2b	1.75084518	1.03278175	0.92164782	0.11113393	0.29595885	0.90650187
Tead2	0.5294097	0.59729149	0.48616542	0.11112607	0.15477614	0.90650187
Mthfd2	0.34208076	0.45539889	0.34430701	0.11109188	0.0757304	0.78632364
Prss35	0.20320027	0.33127118	0.22021188	0.1110593	0.01247909	0.2011608
Arx	0.15755583	0.28615904	0.17516633	0.11099271	0.00242431	0.05048219
Gstm2	0.36306355	0.47246627	0.36153579	0.11093048	0.08627576	0.86189704
Gsta3	0.12114345	0.24821057	0.1375267	0.11068387	0.00017318	0.00491146
Rps15a	4.64432507	0.6982094	0.58760239	0.11060702	0.20134792	0.90650187
Bcam	0.32853484	0.443553	0.3329858	0.11056719	0.06995132	0.74657023
Syt7	0.57031378	0.62436901	0.51390332	0.11046569	0.16963672	0.90650187
Bub3	0.98123183	0.85316357	0.74285649	0.11030708	0.25458521	0.90650187
Hmcn1	0.20265855	0.3299943	0.21969062	0.11030368	0.01280488	0.20554071
Tmem88	0.13716013	0.26455125	0.15427663	0.11027462	0.00074236	0.01843848
Anpep	0.32433725	0.4397008	0.32944592	0.11025489	0.06840175	0.73378613
Pdzk1ip1	0.50263519	0.57765488	0.46742958	0.11022531	0.14724435	0.90650187
Smim1	0.44660929	0.53655216	0.42664913	0.10990303	0.12606945	0.90650187
Nudt19	0.37518264	0.48104244	0.37132119	0.10972124	0.09448592	0.90650187
Aurkb	0.13476581	0.26149327	0.15179227	0.109701	0.0006571	0.01656478
Snhg6	0.72845171	0.72155171	0.61205096	0.10950075	0.21320378	0.90650187
Dhrs4	0.7467168	0.73200773	0.62254475	0.10946298	0.21720202	0.90650187

Qpct	0.25672683	0.37965252	0.27022754	0.10942497	0.03591549	0.45839356
Atox1	1.64159813	1.02192513	0.91269436	0.10923077	0.29734645	0.90650187
Ckap4	0.4384921	0.52964003	0.42055533	0.10908469	0.12443211	0.90650187
Try10	0.04299848	0.16028438	0.05128204	0.10900234	1.70E-21	2.82E-19
Zfp36l2	0.4380435	0.52921309	0.42021714	0.10899595	0.12443432	0.90650187
Pvrl2	0.67658554	0.69032268	0.58134693	0.10897575	0.20232474	0.90650187
Arhgdib	0.12516383	0.2502755	0.14176051	0.10851499	0.00033322	0.00890201
Pdlim7	0.53279442	0.59676442	0.48850068	0.10826374	0.1622493	0.90650187
Sema5a	0.37545009	0.47972555	0.37153576	0.10818979	0.09773887	0.90650187
Col9a2	0.55405834	0.61117085	0.50300496	0.10816589	0.16954102	0.90650187
Gdi1	1.20939823	0.93333608	0.82524351	0.10809257	0.28018325	0.90650187
Rangap1	0.85284923	0.78836551	0.68045186	0.10791366	0.24039457	0.90650187
Ptprf	0.82183105	0.77184275	0.66405342	0.10778933	0.23526653	0.90650187
Meis1	0.54910511	0.60736908	0.49965205	0.10771703	0.16893004	0.90650187
Lima1	0.47027779	0.55173324	0.44414523	0.107588	0.14076553	0.90650187
Rpl23a	4.97251708	0.65316271	0.54570597	0.10745674	0.19067847	0.90650187
Rnaset2b	0.75616985	0.73451115	0.62791248	0.10659867	0.22520964	0.90650187
Ier5	0.35782684	0.46376748	0.35727015	0.10649733	0.09255668	0.90084241
Lptm5	0.05986665	0.17700293	0.07061244	0.10639048	1.06E-11	8.06E-10
Fkbp14	0.42248746	0.51454099	0.40839897	0.10614202	0.1239626	0.90650187
Bex4	0.59092125	0.63337076	0.52748828	0.10588248	0.1860988	0.90650187
BC028528	0.27186256	0.38965381	0.28385512	0.10579869	0.04876281	0.58103391
Cnot6l	0.66219899	0.67832002	0.57258424	0.10573578	0.20583905	0.90650187
Emp2	0.22811384	0.34952427	0.24385399	0.10567028	0.02702515	0.36712178
Folr2	0.0404909	0.1539551	0.04837156	0.10558354	1.45E-22	2.54E-20
Rpn2	1.91904416	1.03272602	0.92715366	0.10557236	0.30635511	0.90650187
Ptp4a2	0.92578393	0.82283709	0.71726525	0.10557184	0.25644841	0.90650187
Plin3	0.5901861	0.63196612	0.52700791	0.10495821	0.18797555	0.90650187
Nrros	0.09875489	0.21853952	0.11359298	0.10494655	2.00E-05	0.00067189
Cxcl2	0.02884214	0.1392905	0.03472346	0.10456704	3.57E-41	1.18E-38

Zdbf2	0.54198771	0.59937411	0.49480735	0.10456676	0.17374164	0.90650187
Rgs2	0.1826816	0.30475007	0.20024635	0.10450372	0.01016897	0.16967999
Myct1	0.09022518	0.20884226	0.10434913	0.10449313	4.26E-06	0.00016185
Actg1	4.87967324	0.66039928	0.55604008	0.1043592	0.20203789	0.90650187
Eef2	3.80201969	0.82179349	0.7176852	0.10410829	0.25950084	0.90650187
Man2a1	0.50319444	0.57163036	0.46782574	0.10380462	0.16196257	0.90650187
Cdc42ep5	0.42544869	0.51435463	0.41066232	0.10369231	0.13082147	0.90650187
Tmed9	1.79496152	1.02740801	0.92398778	0.10342023	0.30938708	0.90650187
Tle6	0.29984738	0.41184226	0.30848048	0.10336178	0.06816759	0.73292957
Wbp5	3.18031454	0.91812172	0.81488824	0.10323348	0.28665337	0.90650187
Arpc5	1.76575215	1.02572319	0.92249812	0.10322507	0.30943537	0.90650187
Gimap6	0.12471131	0.24440751	0.141285	0.10312251	0.00058766	0.01496314
Dusp10	0.36568957	0.46665478	0.36366649	0.10298829	0.10402048	0.90650187
Rbms2	0.39777802	0.4920896	0.3892497	0.10283991	0.12009125	0.90650187
Gm12840	0.12177208	0.24009137	0.13819	0.10190136	0.00052237	0.01350437
Shisa5	0.84597836	0.77875506	0.67685645	0.1018986	0.25166099	0.90650187
Bax	1.49122622	0.99360916	0.89183234	0.10177681	0.30595915	0.90650187
Ccl12	0.02607918	0.13317949	0.03145509	0.1017244	3.61E-47	1.31E-44
Pclo	0.49754581	0.5655192	0.46381489	0.10170431	0.16482408	0.90650187
Dpm3	1.59325131	1.00820673	0.90718869	0.10101803	0.31028917	0.90650187
Creb5	0.22451851	0.34149411	0.24048216	0.10101195	0.03092781	0.40774819
Stmn4	0.10227395	0.21838015	0.11739016	0.10098999	6.55E-05	0.00199969
Fev	0.304383	0.41339236	0.31240344	0.10098892	0.07534387	0.78445357
Gm2a	0.36769285	0.46598489	0.36528818	0.10069671	0.11019484	0.90650187
Rspo1	0.1176461	0.23443261	0.13382764	0.10060497	0.00041591	0.01099512
Fcgr3	0.04442635	0.15341854	0.05293502	0.10048352	1.60E-17	2.01E-15
Ugdh	0.55756809	0.60573832	0.5053717	0.10036662	0.18864633	0.90650187
Tnfrsf1a	0.44933754	0.52900239	0.42868602	0.10031637	0.14909755	0.90650187
Vat1	0.6231537	0.64854553	0.54823541	0.10031012	0.20799197	0.90650187
Clic4	0.41252925	0.50081167	0.40073735	0.10007432	0.13346051	0.90650187

Ppm1b	0.79498707	0.74955857	0.64951595	0.10004262	0.24675373	0.90650187
Zyx	0.44237683	0.52333593	0.42347796	0.09985796	0.1472517	0.90650187
Flna	0.52023016	0.57947404	0.47979557	0.09967847	0.17785163	0.90650187
Tmem97	0.3621912	0.46044235	0.36082675	0.0996156	0.10985021	0.90650187
Trappc2l	1.29814757	0.94988674	0.85031965	0.0995671	0.30133923	0.90650187
Atp6v0b	1.65490045	1.01354968	0.91412426	0.09942542	0.31435983	0.90650187
Ube2s	1.55028784	1.00094351	0.90152178	0.09942173	0.31197111	0.90650187
2010107G23	0.42452748	0.50840593	0.40995891	0.09844703	0.14285897	0.90650187
Ralb	0.57297169	0.61407324	0.51566952	0.09840371	0.19812373	0.90650187
Cd52	0.0381489	0.14390711	0.04564452	0.09826259	5.32E-22	8.99E-20
Kif21a	0.52492718	0.58118218	0.4830616	0.09812058	0.18326249	0.90650187
Ly6c1	0.07243538	0.18277506	0.08474089	0.09803418	1.35E-07	6.44E-06
Gucy1a3	0.13777472	0.25291622	0.15491325	0.09800297	0.00245844	0.05105289
Ptp4a3	0.43181358	0.51350758	0.41550537	0.09800221	0.14719203	0.90650187
St3gal6	0.34353501	0.44343061	0.34551323	0.09791738	0.10385794	0.90650187
Epha4	0.21719726	0.33134184	0.23357388	0.09776796	0.03138513	0.41163528
Cdh1	0.57742132	0.61593074	0.51861696	0.09731378	0.20209039	0.90650187
Stxbp5l	0.31399502	0.41793867	0.32065681	0.09728186	0.08871316	0.87809516
Sec61g	3.6207496	0.84765351	0.75039243	0.09726108	0.28223623	0.90650187
Rem1	0.24289402	0.35429048	0.25757931	0.09671118	0.04754332	0.56905986
Ndc80	0.10715592	0.21919693	0.12264231	0.09655462	0.00023266	0.00642551
Cenpm	0.21083308	0.32407553	0.22752365	0.09655188	0.02961136	0.39519077
Hmmr	0.14173783	0.25550707	0.15900768	0.09649939	0.00348816	0.06940258
Try5	0.04417276	0.14889273	0.05264168	0.09625105	2.17E-16	2.49E-14
Tmc4	0.66710606	0.67163979	0.57558597	0.09605382	0.2290791	0.90650187
Mn1	0.17452932	0.28815513	0.1921869	0.09596822	0.01321256	0.21023232
Amer1	0.39119155	0.47993759	0.38406529	0.0958723	0.13355673	0.90650187
Gltp	0.44561278	0.52169134	0.42590382	0.09578752	0.15869515	0.90650187
Dlc1	0.45931943	0.53186174	0.43609356	0.09576818	0.16446389	0.90650187
Vwa1	0.16330582	0.27670516	0.18096857	0.09573659	0.00934068	0.15778647

Cenpe	0.14009077	0.25267721	0.15730829	0.09536893	0.00351763	0.06973982
Gpd2	0.54610437	0.59276476	0.49761349	0.09515127	0.19764377	0.90650187
F11r	0.56885478	0.60796416	0.51293203	0.09503213	0.20506979	0.90650187
Cnrip1	0.29004849	0.39479993	0.29994001	0.09485993	0.07986491	0.81752624
Nme4	0.36272044	0.45601786	0.36125699	0.09476088	0.12178266	0.90650187
Ctsk	0.17348056	0.28586427	0.1911447	0.09471956	0.01379846	0.21735794
Dut	0.8481777	0.77255758	0.67800944	0.09454813	0.26764932	0.90650187
Myt1	0.29321509	0.39724438	0.30270975	0.09453463	0.08251691	0.83622636
Gm5617	0.61217655	0.63565529	0.54123693	0.09441836	0.21901251	0.90650187
Gpx2	0.31813699	0.41843875	0.32418832	0.09425043	0.09809902	0.90650187
Sqle	0.4845259	0.54871833	0.45448621	0.09423213	0.17833162	0.90650187
Hagh	0.69690492	0.68774822	0.59353914	0.09420907	0.24021048	0.90650187
Chmp5	1.50568446	0.98849548	0.89429116	0.09420431	0.31978554	0.90650187
Rgs3	0.45447029	0.52657636	0.43250379	0.09407257	0.16678447	0.90650187
Nasp	0.74772205	0.71715965	0.62311754	0.09404211	0.25112952	0.90650187
Gapdh	2.85455919	0.95114303	0.85713257	0.09401046	0.3129184	0.90650187
Cd93	0.10269634	0.21175915	0.11784577	0.09391339	0.00019796	0.00555213
Gimap4	0.09756735	0.20615978	0.11231204	0.09384774	0.00010171	0.00300785
Tmem258	2.34221647	1.00464345	0.91083105	0.09381239	0.32351868	0.90650187
Cd44	0.22140565	0.33133477	0.23755179	0.09378297	0.03962289	0.49329043
Dnmt3a	1.10195912	0.88367938	0.78994157	0.09373782	0.29891123	0.90650187
Creg1	0.61891784	0.6389118	0.54554337	0.09336843	0.22337191	0.90650187
Hspa8	4.67720048	0.67621065	0.58345731	0.09275334	0.23986819	0.90650187
Spry2	0.23184767	0.34005599	0.24734191	0.09271408	0.047817	0.57188529
Pea15a	0.77580964	0.73143881	0.63892994	0.09250887	0.25989574	0.90650187
Cox7a2l	2.29560827	1.00672308	0.91439153	0.09233155	0.32675214	0.90650187
H3f3b	4.34136506	0.7207656	0.62851299	0.09225261	0.25703212	0.90650187
Sbspon	0.13185369	0.24100369	0.14876145	0.09224224	0.00292047	0.05911336
Tmed6	0.17714532	0.28688111	0.19478107	0.09210003	0.01777424	0.26601254
Bex1	0.57927917	0.61170641	0.51984415	0.09186226	0.21605438	0.90650187

Ace2	0.20019753	0.30901434	0.21731867	0.09169567	0.03034248	0.40204743
Tspan12	0.22556569	0.33299783	0.2414656	0.09153224	0.0459756	0.55397026
Cartpt	0.05814431	0.16012255	0.06865826	0.09146429	1.59E-09	9.50E-08
Elovl1	0.68425517	0.67738962	0.58597418	0.09141543	0.2439851	0.90650187
Coro1a	0.04792549	0.14835562	0.05697267	0.09138295	4.99E-13	4.52E-11
Entpd3	0.41515143	0.49414506	0.4027622	0.09138285	0.15656763	0.90650187
Srek1ip1	0.55150624	0.59264964	0.50127928	0.09137036	0.20887812	0.90650187
Ank	0.42864614	0.50426588	0.41309897	0.09116691	0.16327125	0.90650187
Prss2	0.04116145	0.14031673	0.04915079	0.09116593	8.20E-17	9.67E-15
Svil	0.52175695	0.5719869	0.48085875	0.09112815	0.19975617	0.90650187
Hoxb4	0.32264614	0.41872025	0.3280155	0.09070475	0.109475	0.90650187
Prph	0.04787833	0.14762288	0.05691837	0.09070451	6.98E-13	6.13E-11
Gata6	0.53766239	0.58253198	0.49184671	0.09068527	0.20620269	0.90650187
Nrarp	0.11605895	0.22275912	0.13214402	0.0906151	0.00114999	0.02660735
Fth1	3.67385029	0.83120987	0.74082258	0.09038728	0.29376958	0.90650187
Acot1	0.36152075	0.45054943	0.3602814	0.09026804	0.13267372	0.90650187
Tmpo	1.03977081	0.85688459	0.7667368	0.09014779	0.30059685	0.90650187
Efna1	0.18041874	0.28791442	0.19801656	0.08989785	0.02178169	0.30973193
Clmp	0.25346488	0.35696257	0.26726197	0.0897006	0.06784041	0.73189638
Itgb1	1.71496891	1.00894128	0.91927654	0.08966474	0.33228322	0.90650187
Klc3	0.50318157	0.55745044	0.46781662	0.08963382	0.19716821	0.90650187
Adam15	0.21880415	0.32458157	0.2350949	0.08948667	0.04530598	0.54876195
Kpna2	0.25373443	0.35690918	0.26750742	0.08940176	0.06867467	0.7361944
Abcg2	0.29726821	0.39559208	0.30624148	0.0893506	0.097303	0.90650187
Knstrn	0.1776201	0.28456626	0.19525108	0.08931518	0.02099661	0.29997134
Hoxa5	0.24446649	0.34829997	0.25902681	0.08927316	0.06274014	0.69159738
Slnf2	0.04674394	0.14487817	0.05561136	0.08926681	4.80E-13	4.40E-11
Cd59a	0.17961994	0.28637716	0.19722811	0.08914905	0.0222443	0.31425236
Myef2	0.82056376	0.75247367	0.66337448	0.08909918	0.27522082	0.90650187
Dnajb11	1.12040259	0.88549749	0.79641997	0.08907752	0.30951358	0.90650187

Col16a1	0.31138641	0.40742291	0.31842498	0.08899793	0.10702217	0.90650187
Prss1	0.05843123	0.15777324	0.0689841	0.08878913	5.27E-09	3.00E-07
Rpa2	0.32293867	0.41701601	0.3282631	0.08875291	0.1146887	0.90650187
Litaf	0.54828542	0.58778767	0.49909574	0.08869193	0.21476168	0.90650187
Cd55	0.19396767	0.29994873	0.21128452	0.08866421	0.03105073	0.40827162
Chodl	0.10803911	0.2119161	0.12358928	0.08832682	0.00074356	0.01843848
Tram1	1.44054888	0.97039828	0.88257077	0.0878275	0.32910104	0.90650187
Snap25	0.43593284	0.50643017	0.41862397	0.0878062	0.17554838	0.90650187
Hand2	0.31280798	0.40736403	0.31964196	0.08772207	0.11122377	0.90650187
Podxl	0.13081734	0.23539873	0.14768042	0.08771831	0.00413829	0.07983008
Tmem263	0.58912337	0.61390645	0.52631295	0.0875935	0.22968767	0.90650187
Tax1bp3	0.73115576	0.7010457	0.61361476	0.08743094	0.26322563	0.90650187
Actn4	0.87852972	0.78110819	0.69370382	0.08740437	0.28769484	0.90650187
Napa	1.34023835	0.94811289	0.86080042	0.08731246	0.32602163	0.90650187
Kctd12	0.542862	0.58269449	0.49540439	0.0872901	0.21672124	0.90650187
Ramp1	0.32642439	0.4183981	0.33120792	0.08719018	0.12093977	0.90650187
Npy	0.03253778	0.12615915	0.03907633	0.08708282	1.94E-23	3.51E-21
Aldoc	0.34001546	0.42959591	0.34259091	0.087005	0.12944593	0.90650187
Ost4	1.84186921	1.01266805	0.92567724	0.08699081	0.33805499	0.90650187
Ptgr1	0.20601962	0.30978921	0.22291974	0.08686947	0.04160067	0.51287251
Prox1	0.46501195	0.52711124	0.44028671	0.08682453	0.19033201	0.90650187
Fzd2	0.29637719	0.39213333	0.3054665	0.08666683	0.10359939	0.90650187
Hsd11b2	0.14111396	0.24495795	0.15836436	0.08659359	0.00753159	0.13235574
Cenpw	0.21619437	0.31918503	0.23262323	0.0865618	0.04903718	0.58372295
Gm10073	1.8688603	1.0128106	0.92642054	0.08639006	0.33923229	0.90650187
Fam43a	0.32157881	0.413499	0.32711142	0.08638758	0.12018749	0.90650187
Cd151	0.54061861	0.58017967	0.49387147	0.0863082	0.21860678	0.90650187
Atp1a1	1.49699936	0.97908645	0.89281906	0.0862674	0.33376132	0.90650187
Rbm47	0.3918296	0.47079435	0.38456907	0.08622528	0.15944015	0.90650187
B3gnt9	0.27412733	0.37206137	0.28587501	0.08618636	0.09007827	0.88741401

P3h3	0.21922822	0.32164893	0.23549587	0.08615306	0.05193586	0.6091644
Pcna	0.53215968	0.57404228	0.4880633	0.08597898	0.21676837	0.90650187
Inhba	0.06267475	0.15966685	0.07378911	0.08587774	1.15E-07	5.55E-06
Ctnna1	0.91323629	0.79698203	0.71113083	0.0858512	0.29573902	0.90650187
Ttll7	0.45582683	0.51927686	0.43350968	0.08576718	0.18955552	0.90650187
Sec11c	0.57511211	0.6027553	0.5170888	0.0856665	0.23071111	0.90650187
Sycn	0.05719639	0.15268223	0.06758085	0.08510138	1.08E-08	6.01E-07
Ccl11	0.12232747	0.22365182	0.13877563	0.08487619	0.00327432	0.06549076
Vasp	0.97147503	0.82337028	0.73865139	0.0847189	0.30506621	0.90650187
Cdkn2c	0.12362772	0.2248349	0.14014521	0.08468969	0.00361048	0.07118415
Paip1	0.41988377	0.49101577	0.40640355	0.08461222	0.17733622	0.90650187
Mecom	0.12475595	0.22593726	0.14133192	0.08460534	0.00389235	0.07598603
Dap	1.00092761	0.83560055	0.7511035	0.08449705	0.30849588	0.90650187
Mbnl1	0.335007	0.42289667	0.33841438	0.0844823	0.13354085	0.90650187
Snap23	0.55875148	0.59061989	0.50616802	0.08445187	0.22912561	0.90650187
Metrn	0.22985035	0.32986217	0.24547788	0.08438429	0.06323142	0.69600353
Acvrl1	0.23170255	0.33152333	0.24720662	0.08431672	0.06472199	0.70728895
Fgfr1	0.32987964	0.4183424	0.3341167	0.0842257	0.13121433	0.90650187
Parm1	0.46403979	0.52379282	0.43957221	0.08422061	0.19717262	0.90650187
Stmn3	0.10737281	0.20693043	0.12287495	0.08405548	0.0011785	0.02710184
Armcx2	0.84892705	0.76238423	0.67840183	0.08398241	0.29104257	0.90650187
Fkbp3	1.45403351	0.96910821	0.88514834	0.08395986	0.336628	0.90650187
Elavl4	0.1542737	0.25576901	0.1718375	0.08393151	0.0149508	0.23049408
Klhl7	0.96819088	0.82103483	0.7372273	0.08380753	0.30664819	0.90650187
Ms4a7	0.03112191	0.12118551	0.0374112	0.08377431	1.20E-23	2.25E-21
Sin3b	1.35381961	0.94775852	0.86402229	0.08373624	0.3332911	0.90650187
Hells	0.22110906	0.32069508	0.23727204	0.08342304	0.05902145	0.66199323
Gpc1	0.28377736	0.37778717	0.29442786	0.08335931	0.10407775	0.90650187
Lmcd1	0.14991689	0.25067001	0.16739961	0.0832704	0.0135041	0.21360641
Notch2	0.22283608	0.32208121	0.23889977	0.08318144	0.0608237	0.67586334

Kmt2d	0.3990766	0.47336916	0.39026762	0.08310153	0.17191521	0.90650187
Pdgfa	0.40418952	0.47730883	0.39426301	0.08304583	0.17453287	0.90650187
Sapcd1	0.18264314	0.28320047	0.20020849	0.08299198	0.03267712	0.42491438
Actg2	0.08076568	0.17692859	0.09397872	0.08294987	4.36E-05	0.00137677
Airn	0.3870119	0.463561	0.38075738	0.08280362	0.16682461	0.90650187
lsg15	0.04602065	0.13748776	0.05477699	0.08271077	9.56E-12	7.37E-10
Lgals9	0.2688664	0.36381251	0.28117471	0.0826378	0.09567897	0.90650187
Ctsd	1.37491595	0.95148325	0.8688564	0.08262685	0.33623153	0.90650187
Nrep	0.80233892	0.73605424	0.6535293	0.08252495	0.28727178	0.90650187
Rrm1	0.37684384	0.45513368	0.372653	0.08248068	0.16256694	0.90650187
Tpst2	0.71670675	0.68764886	0.60521781	0.08243105	0.27242527	0.90650187
Dctpp1	0.625159	0.63187239	0.54950639	0.08236599	0.25259185	0.90650187
Ccne1	0.17509852	0.27510827	0.192752	0.08235627	0.0287524	0.38575923
Uqcrfs1	1.54546908	0.98313529	0.90078034	0.08235494	0.34220783	0.90650187
Abhd2	0.33866748	0.42381246	0.34146891	0.08234355	0.14185191	0.90650187
Ezr	0.43221759	0.49801702	0.41581179	0.08220523	0.18973092	0.90650187
Adamts2	0.21483027	0.3134647	0.23132854	0.08213617	0.05722888	0.64823856
Cpne3	0.37224434	0.45104195	0.36896015	0.08208181	0.16133037	0.90650187
Ddit4	0.27501157	0.36872983	0.28666231	0.08206752	0.10155932	0.90650187
Sipa1	0.35461215	0.43657814	0.3546405	0.08193764	0.15217922	0.90650187
Vps8	0.26392156	0.35860982	0.27673248	0.08187734	0.09419958	0.90650187
Rnh1	1.00250458	0.83362709	0.75175171	0.08187538	0.31412786	0.90650187
Twist2	0.24998895	0.34594113	0.26409054	0.08185059	0.08412576	0.84688451
Gmnn	0.23466563	0.33180036	0.24996504	0.08183532	0.07277457	0.7682266
Cox6b2	0.35427393	0.43617632	0.35436333	0.08181298	0.15235832	0.90650187
Spi1	0.04155623	0.13141985	0.04960924	0.08181061	1.14E-13	1.11E-11
Eif3e	2.14619074	1.00463963	0.92296332	0.08167631	0.34700926	0.90650187
Flrt2	0.33905444	0.4234545	0.34179115	0.08166335	0.14407738	0.90650187
Sncg	0.06106866	0.15353624	0.07197364	0.0815626	2.35E-07	1.08E-05
Snrk	0.41915627	0.48733554	0.40584485	0.08149069	0.18602354	0.90650187

Mcm7	0.37874577	0.45547161	0.37417511	0.0812965	0.16704946	0.90650187
Usmg5	2.89640006	0.93257833	0.85140094	0.08117739	0.33583057	0.90650187
Gngt2	0.20799221	0.30588131	0.22480938	0.08107193	0.05444551	0.62985251
Spock2	0.49601279	0.54370883	0.46272272	0.08098611	0.21826279	0.90650187
Slitrk6	0.26760228	0.36084046	0.28004128	0.08079917	0.09980337	0.90650187
Impdh2	1.15537985	0.88904152	0.80829098	0.08075053	0.32847483	0.90650187
Atp6v1f	1.89439846	1.00756539	0.92693534	0.08063005	0.34948773	0.90650187
Nop10	1.54584435	0.98144662	0.9008396	0.08060702	0.34539164	0.90650187
Sphkap	0.37443332	0.45129489	0.37071974	0.08057515	0.16696127	0.90650187
Mllt11	0.41352507	0.48188133	0.40150693	0.08037439	0.18675184	0.90650187
Fgd2	0.48795948	0.5371076	0.45695767	0.08014993	0.21776754	0.90650187
Mbnl2	1.28597686	0.92717131	0.84713169	0.08003962	0.33723008	0.90650187
Adamtsl1	0.17468692	0.2722879	0.19234341	0.07994449	0.03231956	0.422433
Hebp1	0.28845967	0.37840893	0.29854688	0.07986205	0.11717833	0.90650187
Col27a1	0.3109282	0.39775366	0.31803233	0.07972133	0.13255756	0.90650187
Timm8b	1.25938157	0.91956054	0.8398408	0.07971974	0.33651696	0.90650187
Phyh	0.50823759	0.55109041	0.47138899	0.07970142	0.22612977	0.90650187
Cd53	0.03222941	0.11833035	0.03871394	0.07961641	3.05E-20	4.42E-18
Wnk3	0.24693256	0.34090739	0.26129202	0.07961536	0.08777716	0.87266231
Tkt	1.04091694	0.84679863	0.76718824	0.07961039	0.32228583	0.90650187
Nkd1	0.30242324	0.39020743	0.31071065	0.07949678	0.12767944	0.90650187
Prr5	0.39840555	0.4692299	0.38974177	0.07948814	0.18228672	0.90650187
Lgmn	0.43160153	0.49480869	0.4153445	0.07946419	0.19751287	0.90650187
Kcnmb2	0.49280596	0.53988043	0.4604327	0.07944773	0.22151399	0.90650187
Tgfbi	0.11662126	0.21205249	0.13274086	0.07931163	0.00395116	0.07669505
Ms4a6c	0.04216589	0.12959481	0.05031674	0.07927807	1.24E-12	1.04E-10
Pmepa1	0.31743038	0.40279262	0.32358692	0.0792057	0.13826017	0.90650187
Iscu	0.95377518	0.80973718	0.73063803	0.07909914	0.31515769	0.90650187
Cat	0.48090538	0.53090637	0.45187158	0.07903479	0.21841403	0.90650187
Itm2b	3.43023673	0.86012831	0.78139504	0.07873328	0.32709868	0.90650187

Ifi30	0.56115624	0.5864139	0.50778361	0.07863029	0.2455998	0.90650187
Mcm5	0.25621118	0.34834573	0.26975943	0.0785863	0.09764393	0.90650187
Plk1	0.10100983	0.19459558	0.11602531	0.07857027	0.00130415	0.02963291
Akr1c12	0.40490595	0.4731663	0.39482125	0.07834505	0.18884807	0.90650187
Tmem255a	0.12101882	0.21563521	0.13739514	0.07824007	0.00567776	0.10411931
Capsl	0.3698214	0.44514997	0.36700773	0.07814224	0.17193512	0.90650187
Hmgcs1	0.59471282	0.60809589	0.5299601	0.07813579	0.25608988	0.90650187
Asf1b	0.10747536	0.20107984	0.12298493	0.07809491	0.00237926	0.04961208
Slc7a2	0.40428235	0.47239787	0.39433536	0.0780625	0.18941589	0.90650187
Gjb5	0.10570113	0.19914257	0.12108033	0.07806223	0.00207751	0.04416816
Agrn	0.23217796	0.32551204	0.24764978	0.07786225	0.08109866	0.82626054
Ly6a	0.1000663	0.19254919	0.11500528	0.07754391	0.00136097	0.03069444
Sod1	0.78283006	0.7203316	0.64282488	0.07750672	0.29597377	0.90650187
Gm26522	0.03100525	0.11476923	0.03727385	0.07749538	1.20E-20	1.81E-18
Cib1	0.72949793	0.69001543	0.61265642	0.07735901	0.28728336	0.90650187
Sox10	0.04791838	0.13429941	0.05696448	0.07733493	7.93E-10	4.96E-08
Abhd17a	0.53688643	0.56847534	0.49131434	0.07716099	0.24253132	0.90650187
Sub1	3.11141664	0.900249	0.82310783	0.07714117	0.33847103	0.90650187
Bace2	0.09852802	0.19045317	0.11334842	0.07710475	0.00124685	0.02850141
Ubald2	0.94468016	0.80344907	0.72635069	0.07709838	0.31850688	0.90650187
Rab27a	0.41194181	0.47737038	0.40028302	0.07708736	0.19595895	0.90650187
Sptssa	1.27632391	0.92160821	0.84453866	0.07706955	0.3424852	0.90650187
Cdk2ap2	0.67105927	0.65492119	0.5779941	0.07692709	0.27703244	0.90650187
Fam213a	0.52259119	0.55813916	0.48143905	0.07670011	0.23939548	0.90650187
Hyou1	0.36192653	0.43730712	0.36061151	0.07669561	0.17220161	0.90650187
Tenm4	0.45464048	0.50922493	0.43263006	0.07659487	0.21562009	0.90650187
Heg1	0.33929076	0.41853184	0.34198789	0.07654395	0.15986363	0.90650187
Snx3	1.50469999	0.97066027	0.89412529	0.07653497	0.35177483	0.90650187
Dnajc9	0.50186989	0.54330782	0.46688711	0.07642071	0.23341001	0.90650187
Rnd3	0.30199753	0.3867004	0.31034248	0.07635791	0.13701809	0.90650187

Gm27033	0.32507993	0.40640419	0.33007332	0.07633087	0.15195952	0.90650187
Pabpc4	0.55688815	0.58122049	0.50491378	0.07630671	0.25083752	0.90650187
Hotairm1	0.1666632	0.26064398	0.18433921	0.07630477	0.03286946	0.42632142
Acat1	1.23009127	0.9073587	0.83137784	0.07598086	0.34226456	0.90650187
Mmp16	0.22545158	0.31705631	0.24135849	0.07569783	0.08161564	0.82804847
Ogt	1.18831732	0.89453006	0.81886031	0.07566975	0.34060508	0.90650187
Unc93b1	0.1469904	0.23997118	0.16440597	0.07556521	0.02051064	0.29413421
Skap2	0.36650359	0.4397953	0.36432584	0.07546945	0.17855145	0.90650187
Xbp1	1.20681731	0.89991157	0.82447652	0.07543506	0.34209636	0.90650187
Tff2	0.07653561	0.16439775	0.08930024	0.0750975	9.25E-05	0.00275285
Smo	0.36803186	0.44065569	0.36556229	0.0750934	0.18056565	0.90650187
Taf1d	0.67751365	0.65672979	0.58190848	0.07482131	0.28379229	0.90650187
1110008F13I	0.96342683	0.80985669	0.73515368	0.07470301	0.32572724	0.90650187
Pnmal2	0.64116321	0.63425568	0.55957113	0.07468455	0.27647553	0.90650187
Mpzl1	1.19281107	0.89493808	0.82027407	0.07466401	0.34286611	0.90650187
St6galnac3	0.19615239	0.28801173	0.21340545	0.07460628	0.06007092	0.669456
Cbfa2t3	0.41794954	0.47951797	0.40491725	0.07460073	0.20638036	0.90650187
Pdlim4	0.32820067	0.40728076	0.33270455	0.07457621	0.15950626	0.90650187
Psmg2	0.39593388	0.46235698	0.38780189	0.07455509	0.19636697	0.90650187
Arhgef25	0.32607383	0.40534279	0.33091223	0.07443056	0.15867228	0.90650187
Ech1	1.02623357	0.83568206	0.76136631	0.07431575	0.33217017	0.90650187
Sh3bgrl	0.80568641	0.72966163	0.65534887	0.07431276	0.30709346	0.90650187
Ltc4s	0.02095183	0.09966981	0.02535771	0.0743121	4.24E-39	1.34E-36
Nt5dc2	1.10000072	0.86345899	0.78924753	0.07421147	0.33796916	0.90650187
Scand1	1.58043726	0.97970662	0.90568446	0.07402216	0.35817463	0.90650187
Syce2	0.527539	0.55888632	0.48487164	0.07401468	0.24869159	0.90650187
Ngfr	0.14611093	0.23732157	0.16350434	0.07381723	0.02237186	0.31488391
Cacna2d1	0.53611694	0.56460206	0.49078604	0.07381602	0.25186402	0.90650187
Npr3	0.1735204	0.26480315	0.19118432	0.07361883	0.04346144	0.53150233
Rps27a	5.0313333	0.61733894	0.54386287	0.07347607	0.27405221	0.90650187

Lhfpl2	0.27566396	0.36069154	0.28724272	0.07344882	0.12782039	0.90650187
Gria2	0.16573125	0.25679782	0.18340485	0.07339297	0.03762033	0.47484348
Efna5	0.19083574	0.28162127	0.20823514	0.07338614	0.05859023	0.65923772
Fam151a	0.21696502	0.30673667	0.23335383	0.07338284	0.08105488	0.82626054
Lrpap1	1.30135253	0.92440926	0.85113192	0.07327734	0.3509563	0.90650187
Lbh	0.30077174	0.38250424	0.30928147	0.07322277	0.14628445	0.90650187
Racgap1	0.18617578	0.27668346	0.20367849	0.07300497	0.05552972	0.63800617
Ccl3	0.0354309	0.1153932	0.04246904	0.07292416	1.14E-14	1.16E-12
Rspo3	0.15097435	0.24138241	0.16847877	0.07290364	0.02719674	0.36846491
Efnb1	0.49085103	0.53190117	0.45903286	0.07286831	0.24018443	0.90650187
Kif12	0.53624745	0.56365667	0.49087567	0.072781	0.25490301	0.90650187
Cd14	0.06760818	0.1520798	0.07934198	0.07273783	2.30E-05	0.00076008
Egfl6	0.10913932	0.19745501	0.12476759	0.07268742	0.00479974	0.09086026
Plin2	0.37891012	0.44692408	0.37430651	0.07261757	0.19421374	0.90650187
Mbp	0.23751933	0.32522975	0.25261334	0.07261641	0.10063581	0.90650187
Cd82	0.33822184	0.4136407	0.34109764	0.07254306	0.17220927	0.90650187
Hmgcs2	0.10289529	0.19059066	0.11806028	0.07253038	0.00315559	0.06336608
Bpnt1	0.56221507	0.58099514	0.50849386	0.07250128	0.26308722	0.90650187
Mcm3	0.25200863	0.33825725	0.26593471	0.07232254	0.11332964	0.90650187
Rgs10	0.20982779	0.29881851	0.22656412	0.07225439	0.07812976	0.80409648
Eef1b2	2.72714851	0.94696907	0.87472927	0.07223981	0.35675659	0.90650187
Mrpl32	0.83831346	0.745051	0.67282189	0.07222911	0.31659315	0.90650187
Tesc	0.18617714	0.27586554	0.20367982	0.07218572	0.05756388	0.65057885
Sumf2	0.37926989	0.44674209	0.37459406	0.07214803	0.19593301	0.90650187
Cntfr	0.29565882	0.37698243	0.30484101	0.07214142	0.14638503	0.90650187
Dnajb6	1.56897051	0.97631986	0.90421764	0.07210222	0.36148503	0.90650187
Arhgap18	0.14790964	0.23739399	0.16534742	0.07204657	0.02636796	0.36044904
Prkacb	0.51583296	0.54866182	0.47672435	0.07193747	0.2511613	0.90650187
Ocrl	0.59845314	0.604145	0.53238995	0.07175505	0.27452811	0.90650187
Gamt	0.27485517	0.35821609	0.28652312	0.07169297	0.13299029	0.90650187

Mrgprf	0.18820936	0.27726019	0.20566987	0.07159033	0.06087822	0.67597503
Coa3	1.73012751	0.99189976	0.92031148	0.07158828	0.3647426	0.90650187
Avp	0.04989925	0.1306986	0.05924198	0.07145662	4.11E-08	2.15E-06
Hk2	0.15115919	0.2401196	0.16866726	0.07145233	0.02983071	0.39776898
Limd2	0.78748327	0.71681351	0.64539436	0.07141915	0.31137752	0.90650187
Rnaseh2c	0.71269951	0.67409707	0.60287018	0.07122689	0.29971095	0.90650187
Upk1b	0.05480093	0.13606858	0.06485222	0.07121636	5.25E-07	2.32E-05
Nefl	0.08125609	0.16571391	0.09451946	0.07119445	0.00040619	0.01077568
Gm2000	1.2443864	0.90671704	0.83555985	0.07115719	0.35249518	0.90650187
Tspan15	0.35597331	0.42688506	0.35575497	0.07113009	0.18703916	0.90650187
St18	0.42121025	0.4783365	0.40742077	0.07091573	0.21952364	0.90650187
Wfdc15b	0.14070631	0.2288194	0.15794375	0.07087565	0.02302577	0.32170478
C1qtnf7	0.13596709	0.22386677	0.15303957	0.0708272	0.01982192	0.2866918
Klf13	0.31794868	0.3948356	0.3240281	0.0708075	0.16565815	0.90650187
Idi1	0.23361762	0.31973309	0.24899041	0.07074268	0.10328072	0.90650187
1700011H14	0.12428364	0.21139373	0.14083533	0.07055841	0.01296542	0.20746037
Cbx5	0.8120574	0.72934309	0.6587985	0.07054459	0.31702346	0.90650187
Olfml2b	0.27208774	0.35456228	0.28405623	0.07050606	0.13491564	0.90650187
Ttyh1	0.18081261	0.26890442	0.19840508	0.07049933	0.05709254	0.64823856
Hist1h2ae	0.13952111	0.22720751	0.15671978	0.07048772	0.02277733	0.31940792
H2-Ke6	0.81232896	0.72924644	0.65894516	0.07030128	0.31764617	0.90650187
Chic1	0.44386546	0.49475726	0.42459504	0.07016221	0.23128722	0.90650187
Nrm	0.28783587	0.36813524	0.29799928	0.07013596	0.14771111	0.90650187
Neat1	0.14196098	0.22933014	0.15923768	0.07009247	0.02518282	0.34642905
Kif22	0.15941822	0.24705109	0.17704975	0.07000134	0.03940022	0.49213045
Plod1	0.39561948	0.45755124	0.38755479	0.06999645	0.21100961	0.90650187
Plxnd1	0.12660194	0.21323357	0.14327003	0.06996354	0.01496793	0.23052438
Hsd17b10	0.99020496	0.81660055	0.7466694	0.06993114	0.3385718	0.90650187
Adgre5	0.13850896	0.22554976	0.15567321	0.06987655	0.02299497	0.32156992
Gnai1	0.49466403	0.53136734	0.46176054	0.0696068	0.25138412	0.90650187

Acads	0.51969643	0.54898922	0.47942355	0.06956566	0.25944105	0.90650187
Ndrgr1	0.54696928	0.56764793	0.49820163	0.0694463	0.26773073	0.90650187
Adgrg1	0.41580577	0.47266205	0.40326669	0.06939536	0.22213176	0.90650187
Fam64a	0.10406494	0.18837348	0.11932042	0.06905306	0.00504457	0.09455303
Rfk	0.48119677	0.52111959	0.45208234	0.06903725	0.24860502	0.90650187
Man2b1	0.31296266	0.38866952	0.31977427	0.06889525	0.16908075	0.90650187
Tmem184a	0.44592964	0.49500416	0.42614088	0.06886328	0.23625576	0.90650187
Nop56	0.89318071	0.76990605	0.70113051	0.06877554	0.33138934	0.90650187
Rbpj	0.39069422	0.45240067	0.3836724	0.06872827	0.21291331	0.90650187
Col9a3	0.21706212	0.30210355	0.23344584	0.06865771	0.09552532	0.90650187
Akap13	0.58106531	0.58960194	0.52102206	0.06857988	0.27922143	0.90650187
Rpl9-ps6	1.32575903	0.92562282	0.85723378	0.06838904	0.36142033	0.90650187
Baiap3	0.52424178	0.55094804	0.48258589	0.06836215	0.26442721	0.90650187
Xlr3a	0.14473565	0.23042347	0.16209261	0.06833086	0.03046072	0.40263779
Lpar1	0.22071431	0.30518234	0.23689956	0.06828279	0.10003009	0.90650187
lkbip	0.50605295	0.53812643	0.46984746	0.06827897	0.25912593	0.90650187
Medag	0.21304781	0.29789062	0.22963388	0.06825674	0.09318082	0.90318385
Pltp	0.19983864	0.28515508	0.21697224	0.06818285	0.0812041	0.82678063
Klhdc8b	0.84277246	0.74322267	0.67517221	0.06805046	0.32705073	0.90650187
Mdm1	0.28529934	0.3637489	0.29576895	0.06797995	0.15344148	0.90650187
Ethe1	0.33855219	0.40923549	0.34137287	0.06786262	0.18841385	0.90650187
Barx1	0.12877376	0.21323176	0.14554498	0.06768678	0.01934529	0.28167412
Kif20a	0.11059273	0.1939669	0.12632186	0.06764504	0.00864197	0.14793535
F3	0.42558092	0.47831905	0.41076323	0.06755581	0.23234599	0.90650187
Lfng	0.24021237	0.32245592	0.25510515	0.06735077	0.12025908	0.90650187
Pole4	0.51952225	0.54646801	0.47930211	0.0671659	0.26665054	0.90650187
Scara3	0.27587902	0.35454499	0.28743397	0.06711102	0.14964091	0.90650187
Rap2b	0.25473806	0.33552765	0.26842069	0.06710696	0.13319141	0.90650187
Fam69a	0.19774973	0.28203922	0.21495293	0.06708629	0.08265032	0.83684877
Grc10	1.5663791	0.97090321	0.9038489	0.06705431	0.37077232	0.90650187

Lamp2	1.09496622	0.85446757	0.78745676	0.06701081	0.35259972	0.90650187
Bola3	0.73628087	0.68357433	0.61656915	0.06700518	0.31450425	0.90650187
Arl4a	0.68773122	0.65504359	0.58806151	0.06698208	0.30629891	0.90650187
Srsf3	2.23670732	0.98529036	0.91832209	0.06696827	0.37289555	0.90650187
Wipi1	0.67694882	0.64846121	0.58156678	0.06689443	0.30455171	0.90650187
Praf2	0.38177416	0.44346598	0.37659283	0.06687315	0.21493191	0.90650187
Stom	0.2255686	0.30833604	0.24146832	0.06686772	0.10914591	0.90650187
Ptprz1	0.1193594	0.20246525	0.13564162	0.06682363	0.01425773	0.22251726
Rfc1	0.65380744	0.63401589	0.56742129	0.0665946	0.30092138	0.90650187
Cnn3	1.7965275	0.99061864	0.92406251	0.06655613	0.37440938	0.90650187
Mboat4	0.10684978	0.1888292	0.12231384	0.06651537	0.00781246	0.13634581
Ppp1r14b	0.7401062	0.68522754	0.61876615	0.06646139	0.31650286	0.90650187
Surf4	1.16207249	0.87689445	0.81044461	0.06644984	0.35774105	0.90650187
Pcsk2os1	0.43018175	0.4806786	0.41426654	0.06641207	0.23802008	0.90650187
Clic1	2.18414164	0.98753852	0.92123515	0.06630337	0.37449921	0.90650187
Rab13	0.33149869	0.40176457	0.33547618	0.06628838	0.18985543	0.90650187
Hdlbp	1.20308223	0.88957969	0.82336248	0.06621722	0.36034804	0.90650187
Ppp1r14c	0.20294537	0.28612458	0.21996665	0.06615793	0.09059891	0.89081117
G6pc2	0.14851525	0.23212375	0.16596712	0.06615664	0.03819096	0.47978578
Stip1	1.02700095	0.82777976	0.76167265	0.06610711	0.3498064	0.90650187
Ak1	0.37867193	0.44011465	0.37411607	0.06599858	0.21644421	0.90650187
Qdpr	0.81931034	0.72865506	0.66270231	0.06595275	0.32908872	0.90650187
Sep-04	0.150628	0.23394092	0.16812545	0.06581547	0.04090268	0.50559243
Ttc3	1.7497375	0.98734898	0.92157865	0.06577034	0.37551946	0.90650187
Mmd	0.22093368	0.30285503	0.23710658	0.06574845	0.10883563	0.90650187
Hs6st2	0.13224089	0.21490599	0.14916502	0.06574097	0.02503904	0.34478439
ldh1	0.42476461	0.47586906	0.41014004	0.06572903	0.23809224	0.90650187
Tnnt1	0.10057378	0.18121063	0.11555404	0.06565659	0.00576935	0.10540855
Kitl	0.23886081	0.3193256	0.25385548	0.06547012	0.12578679	0.90650187
Lhx1	0.21236316	0.29442103	0.22898208	0.06543895	0.10195788	0.90650187

Rpl17	4.8064935	0.63095753	0.56554461	0.06541292	0.30355791	0.90650187
Kif5b	1.65068172	0.97907462	0.91366521	0.06540941	0.37514328	0.90650187
Gcsh	0.79029653	0.71233608	0.646943	0.06539308	0.32658511	0.90650187
Matn4	0.07300363	0.15074751	0.08537421	0.0653733	0.00033189	0.00888214
Tssc4	0.72952588	0.67802982	0.61267259	0.06535723	0.31766517	0.90650187
Rpl37	4.99397367	0.60867392	0.54374808	0.06492584	0.29777024	0.90650187
Gnb4	0.2751374	0.35165411	0.28677429	0.06487982	0.15726214	0.90650187
Cfl2	1.09285195	0.85156066	0.78670188	0.06485877	0.35699111	0.90650187
Pla2g1b	0.1315012	0.21324875	0.1483939	0.06485485	0.02601224	0.35719246
Rgs4	0.10097494	0.18083771	0.11598761	0.06485009	0.00646679	0.11592181
Procr	0.15904526	0.24151147	0.17667289	0.06483857	0.05138949	0.60504342
Camk1	0.48592679	0.52030525	0.45549551	0.06480974	0.26351743	0.90650187
Cdc25b	0.11453759	0.19528486	0.1305273	0.06475757	0.01370718	0.21614402
Ccl4	0.02159117	0.0908535	0.0261203	0.0647332	1.57E-28	3.63E-26
Odc1	0.66766534	0.64065567	0.57592715	0.06472851	0.30866353	0.90650187
Esco2	0.07535081	0.15261572	0.08798526	0.06463047	0.00054623	0.01400207
Shisa4	0.29820282	0.3716319	0.30705352	0.06457838	0.17489831	0.90650187
Cct7	2.06824051	0.99014992	0.92578426	0.06436566	0.37862911	0.90650187
Cisd1	1.00964	0.81903449	0.75467229	0.06436221	0.35229068	0.90650187
Fmod	0.11543025	0.19578692	0.13147626	0.06431066	0.01483245	0.22960081
Slc16a3	0.14361807	0.22512083	0.16094378	0.06417705	0.03813876	0.47967968
Nhp2	0.63714833	0.62123491	0.55705933	0.06417557	0.30427214	0.90650187
Rpl36-ps3	1.32284975	0.92067667	0.85650944	0.06416722	0.3695475	0.90650187
Ppp1r17	0.05154238	0.12527825	0.06112666	0.06415159	1.54E-06	6.43E-05
Skp2	0.26912321	0.34542092	0.28140479	0.06401613	0.15593145	0.90650187
2610524H06	0.66847978	0.64039266	0.5764237	0.06396896	0.31088131	0.90650187
Arpc3	1.58221513	0.96978966	0.9058956	0.06389406	0.37692964	0.90650187
Arhgap10	0.25115943	0.32894994	0.26515979	0.06379015	0.14242433	0.90650187
Hey1	0.06187342	0.13659458	0.0728838	0.06371078	5.09E-05	0.00159316
Jund	0.88627807	0.76133365	0.69764655	0.0636871	0.34243277	0.90650187

Ftl1	4.88940643	0.61862808	0.55499175	0.06363634	0.30511643	0.90650187
Epas1	0.07936802	0.1560107	0.09243573	0.06357497	0.00111567	0.02597148
Cyp51	0.34824154	0.4129692	0.34940415	0.06356505	0.2093257	0.90650187
Incenp	0.14415328	0.22503989	0.16149414	0.06354576	0.04012081	0.49826502
Jag1	0.15513228	0.23606563	0.17270948	0.06335615	0.05146511	0.60504342
Rasd1	0.21930276	0.29885191	0.23556633	0.06328558	0.11617543	0.90650187
Stab1	0.07527465	0.1511585	0.08790067	0.06325783	0.00068884	0.01725053
Nrgn	0.07351743	0.14913287	0.08594646	0.06318641	0.00054091	0.01390299
Lgi2	0.23159503	0.31026647	0.24710635	0.06316012	0.12791714	0.90650187
1700025G04	0.31377021	0.38357948	0.32046471	0.06311477	0.19063689	0.90650187
Myh10	0.41922418	0.46872986	0.40589702	0.06283284	0.24566982	0.90650187
Rab25	0.49315305	0.52348275	0.46068097	0.06280178	0.27224343	0.90650187
Ccr2	0.02424256	0.09202654	0.02927582	0.06275072	7.95E-22	1.33E-19
Bcl2	0.31335469	0.38279532	0.32010953	0.0626858	0.19199565	0.90650187
Mxd3	0.1008463	0.17844982	0.1158486	0.06260122	0.00814669	0.14136738
Stxbp6	0.29353231	0.36558675	0.30298672	0.06260003	0.17917702	0.90650187
Ctsh	0.19109584	0.27101679	0.20848878	0.06252801	0.09121919	0.89511343
Golga4	0.79185423	0.71024299	0.64779854	0.06244445	0.33413134	0.90650187
Slc16a10	0.26129778	0.33680993	0.27436598	0.06244395	0.15581884	0.90650187
Gsto1	0.41414321	0.46437204	0.40198426	0.06238778	0.24511088	0.90650187
Metrn1	0.20911404	0.28822376	0.22588223	0.06234153	0.10992093	0.90650187
Sec23a	0.39520225	0.44945762	0.38722676	0.06223087	0.23747466	0.90650187
Elp4	0.4613837	0.49981156	0.43761672	0.06219484	0.26375316	0.90650187
Hyal2	0.39492747	0.44911629	0.38701055	0.06210574	0.23779567	0.90650187
Gpr83	0.07911086	0.15419198	0.09215152	0.06204046	0.00138135	0.03106195
Rfx3	0.37814969	0.43561706	0.37369837	0.06191869	0.23068291	0.90650187
Hpcal1	0.61517181	0.60506387	0.54315376	0.06191011	0.30617494	0.90650187
Cox14	1.55422539	0.96395761	0.90209722	0.06186038	0.38023912	0.90650187
Camk2n1	0.53788668	0.55380587	0.49200052	0.06180535	0.28826541	0.90650187
Hlx	0.14550663	0.22467872	0.16288429	0.06179443	0.04584424	0.55307801

Enho	0.41108651	0.46135553	0.39962106	0.06173447	0.24611432	0.90650187
Ms4a6b	0.02458216	0.09134687	0.02967918	0.06166769	1.27E-20	1.89E-18
BC023829	0.47760044	0.51110124	0.44947712	0.06162413	0.27109631	0.90650187
Pla2g2f	0.26801452	0.34191777	0.28041107	0.0615067	0.16475024	0.90650187
C3ar1	0.0297963	0.09728928	0.03584936	0.06143991	1.28E-14	1.29E-12
Nmt2	0.63316343	0.61584723	0.55455766	0.06128956	0.31159752	0.90650187
Trim35	1.27381651	0.90498987	0.84386024	0.06112963	0.37371051	0.90650187
Wisp1	0.17603103	0.25480088	0.19367701	0.06112387	0.08030547	0.82093036
Abcd3	0.78982402	0.70770704	0.64668327	0.06102377	0.33742311	0.90650187
Dhrs3	0.09271871	0.16807707	0.10706187	0.0610152	0.00564523	0.10411931
Ank2	0.28049265	0.35246517	0.29152629	0.06093888	0.17637138	0.90650187
Isyna1	0.85233741	0.74110594	0.6801847	0.06092124	0.34525097	0.90650187
Akirin1	0.73286249	0.67551152	0.6146	0.06091152	0.32975373	0.90650187
Ppp2r2a	0.71079631	0.66264841	0.60175234	0.06089607	0.32639631	0.90650187
Dynlt1c	0.81841383	0.72310477	0.66222112	0.06088364	0.34137164	0.90650187
Dok4	0.14806626	0.22637017	0.16550773	0.06086245	0.05104648	0.60204511
Fli1	0.07525143	0.14864666	0.08787487	0.06077179	0.00105443	0.0249276
Zc3h15	1.20539812	0.88474725	0.82405379	0.06069347	0.37167165	0.90650187
Mpst	0.44726449	0.4877967	0.42713878	0.06065793	0.26391565	0.90650187
Smco4	0.31276968	0.38018791	0.3196092	0.06057871	0.19972052	0.90650187
Tcea1	0.9054696	0.76781905	0.70727663	0.06054242	0.35177192	0.90650187
Sep-09	0.36146641	0.42077313	0.36023718	0.06053595	0.22751349	0.90650187
Ppp1r1b	0.0797213	0.15323052	0.092826	0.06040453	0.00190862	0.04109476
Prmt1	1.89135803	0.98729182	0.92690179	0.06039003	0.38604482	0.90650187
Arsi	0.18253336	0.26031438	0.20010045	0.06021394	0.09048646	0.89028133
Fam216a	0.74391055	0.68108705	0.62094325	0.0601438	0.3333811	0.90650187
Spock3	0.14598764	0.2234553	0.16337788	0.06007742	0.05105165	0.60204511
Rundc3a	0.45972827	0.49638782	0.43639546	0.05999236	0.27055065	0.90650187
Tbxa2r	0.20793402	0.28473507	0.2247537	0.05998137	0.1177271	0.90650187
C1qtnf2	0.17320808	0.25077933	0.19087369	0.05990564	0.08146993	0.82790075

Neurod2	0.07940031	0.15236987	0.0924714	0.05989846	0.0019906	0.04255862
Gpsm3	0.11206426	0.18773213	0.12789284	0.05983929	0.01876105	0.27607614
Ckap2l	0.11932603	0.19541099	0.13560632	0.05980467	0.0249636	0.34434814
Rpl10a	4.27291525	0.69885178	0.63910148	0.0597503	0.33884236	0.90650187
Ywhah	1.88859087	0.98655768	0.92686984	0.05968784	0.38733004	0.90650187
Ube2e3	1.47336111	0.94840152	0.88872245	0.05967907	0.38264963	0.90650187
Rassf1	0.53172629	0.54743184	0.48776451	0.05966734	0.29328169	0.90650187
Chd4	1.19435854	0.88039006	0.82074172	0.05964833	0.37331374	0.90650187
Chst12	0.37481453	0.43066841	0.37102578	0.05964263	0.23741761	0.90650187
Cpb1	0.02760272	0.09287715	0.03325882	0.05961833	8.00E-16	8.75E-14
Tmem5	0.55833124	0.5654594	0.50588534	0.05957406	0.30030502	0.90650187
Palmd	0.1031101	0.17782565	0.11829184	0.05953382	0.01263072	0.20308233
Wnt5a	0.14975588	0.22676767	0.16723519	0.05953248	0.05676209	0.64678604
Ica1	0.43776278	0.47950402	0.42000543	0.05949859	0.26442216	0.90650187
Lamc1	0.52597394	0.54320466	0.48378755	0.05941712	0.29253502	0.90650187
Tspan18	0.18990543	0.26671149	0.20732732	0.05938417	0.10144831	0.90650187
Nt5c3	0.70381561	0.65697471	0.59763698	0.05933773	0.32946461	0.90650187
Tshz1	0.6267682	0.60982991	0.55052471	0.0593052	0.31600407	0.90650187
Tln1	0.82184733	0.72326782	0.66406213	0.05920568	0.34592113	0.90650187
Msrb1	0.49360304	0.52015627	0.46100272	0.05915354	0.2841904	0.90650187
Mif4gd	0.20076157	0.2769611	0.21786286	0.05909825	0.11392207	0.90650187
Bmp7	0.1226894	0.19822545	0.13915706	0.05906839	0.02957753	0.39508621
C1ra	0.13830192	0.21452268	0.15545898	0.0590637	0.0456074	0.55065774
Deb1	0.77522702	0.69765912	0.6386057	0.05905342	0.34050106	0.90650187
Snf8	0.9532482	0.78937857	0.73039048	0.0589881	0.35978337	0.90650187
Casp8	0.25403592	0.32674776	0.26778187	0.05896589	0.16380782	0.90650187
Bpgm	0.2456874	0.31910091	0.26014902	0.05895189	0.15686873	0.90650187
Galnt6	0.02313178	0.08687411	0.0279552	0.05891891	3.64E-21	5.64E-19
Hspa1a	0.14783629	0.22416504	0.16527233	0.05889272	0.05658139	0.64620111
Gimap1	0.08028007	0.1522651	0.09344293	0.05882217	0.00256701	0.05294594

Ralgds	0.2753124	0.34563511	0.28693	0.0587051	0.18152755	0.90650187
Fermt2	0.75768225	0.68746572	0.62876742	0.05869831	0.3390645	0.90650187
Snrpn	0.38619981	0.43877872	0.38011309	0.05866563	0.24631782	0.90650187
Vps36	0.62435538	0.60751851	0.54899731	0.05852119	0.31779057	0.90650187
Tmem109	0.70533137	0.65704476	0.59853262	0.05851214	0.3319266	0.90650187
Rbm15	0.24032811	0.31370398	0.25521208	0.0584919	0.15412861	0.90650187
Pdlim1	0.24373892	0.31683586	0.25835736	0.0584785	0.15714737	0.90650187
Dnajc3	0.97540109	0.79880243	0.7403481	0.05845433	0.36279278	0.90650187
Msra	0.15564786	0.23167413	0.1732327	0.05844143	0.0668382	0.7246844
Clec4a2	0.0321534	0.09704134	0.03862459	0.05841675	8.86E-12	6.90E-10
Slc40a1	0.25168346	0.32400038	0.26563807	0.05836231	0.16435218	0.90650187
Ppp1r18	0.17361109	0.24962092	0.1912745	0.05834642	0.08753544	0.87082866
Zfp771	0.53005389	0.54490765	0.48661043	0.05829723	0.29715681	0.90650187
Tnxb	0.1889684	0.26470309	0.20641201	0.05829108	0.10465838	0.90650187
Hjrp	0.44348751	0.48242684	0.42431158	0.05811526	0.27129984	0.90650187
Cebpz	0.61070757	0.59840521	0.54029502	0.0581102	0.31627634	0.90650187
Gm10260	3.05966819	0.88705838	0.82896449	0.05809389	0.37769188	0.90650187
Slc35c1	0.11839847	0.19267027	0.13462466	0.05804561	0.02763197	0.37303156
Xpnpep1	0.59462196	0.5878444	0.52990098	0.05794342	0.31344226	0.90650187
Hist1h1b	0.08778629	0.15961768	0.10168744	0.05793024	0.00566078	0.10411931
Emid1	0.21105707	0.28557536	0.22773731	0.05783806	0.12943983	0.90650187
Gm1673	1.15056545	0.86456099	0.80673182	0.05782917	0.37498628	0.90650187
Smarcd2	0.65637165	0.62672129	0.56900287	0.05771843	0.32601181	0.90650187
Hacd4	0.15510633	0.23034449	0.17268314	0.05766135	0.06884464	0.7374964
Tgfb2	0.20629926	0.28082517	0.22318787	0.05763729	0.12547222	0.90650187
Amd1	0.67096893	0.6354313	0.57793916	0.05749214	0.32915802	0.90650187
Mrps36	1.07635017	0.83813629	0.78065844	0.05747786	0.37171351	0.90650187
Rpp25	0.10671722	0.17926473	0.12217157	0.05709317	0.01887685	0.27751155
Amotl1	0.52197241	0.53801175	0.48100867	0.05700308	0.29915334	0.90650187
Mfng	0.28005164	0.34804868	0.29113596	0.05691271	0.19241007	0.90650187

Ebpl	0.50157677	0.52358424	0.46667924	0.056905	0.29388189	0.90650187
Pole3	0.38579327	0.43663522	0.37979037	0.05684485	0.25289959	0.90650187
Necap2	0.30679569	0.37131171	0.31448277	0.05682894	0.2108868	0.90650187
Swap70	0.09833648	0.16988214	0.11314188	0.05674026	0.01289178	0.20649943
Ppp1r15a	0.4897759	0.51485945	0.45826191	0.05659753	0.29148433	0.90650187
Rnft1	0.40844097	0.45415957	0.39757007	0.05658949	0.26343849	0.90650187
Bok	0.15831023	0.23233573	0.17592972	0.05640602	0.07703007	0.79547148
Cdk4	2.10343813	0.98099796	0.9246292	0.05636876	0.39318769	0.90650187
Tmed5	0.46209023	0.49448057	0.43813737	0.05634321	0.28376526	0.90650187
Igsf3	0.30384688	0.36804282	0.3119407	0.05610212	0.21198971	0.90650187
Upp1	0.19511086	0.26845865	0.21239496	0.05606369	0.1203056	0.90650187
Ttll6	0.06164571	0.12867285	0.07262636	0.05604649	0.00030099	0.00813738
Ctsc	0.11813704	0.1901297	0.13434779	0.05578191	0.03245778	0.42387524
Tcea3	0.13243836	0.20514419	0.14937076	0.05577343	0.04846311	0.57824787
Pofut2	1.09430745	0.84298266	0.78722174	0.05576093	0.3764212	0.90650187
Cept1	0.39013906	0.43889177	0.3832336	0.05565817	0.25925339	0.90650187
Utrn	0.33256015	0.39202311	0.33636625	0.05565686	0.23098934	0.90650187
Kank3	0.1358372	0.20851803	0.15290479	0.05561323	0.05294797	0.61864883
Mdfi	0.32013233	0.38145474	0.32588426	0.05557049	0.22420322	0.90650187
Ggta1	0.20279915	0.27538671	0.21982594	0.05556077	0.13058664	0.90650187
Kif23	0.1160618	0.18762669	0.13214705	0.05547964	0.03099197	0.40824004
Ush1c	0.29262663	0.35765499	0.30219573	0.05545926	0.20728952	0.90650187
Riok3	0.60139881	0.58974346	0.53429792	0.05544554	0.32227999	0.90650187
Aacs	0.40787647	0.45252993	0.39713176	0.05539817	0.26758184	0.90650187
Fyb	0.09254331	0.16225207	0.10687133	0.05538074	0.01061936	0.17565269
Gatm	0.12452418	0.19646391	0.14108828	0.05537564	0.04050524	0.50180941
Klhl4	0.06425927	0.13092727	0.07557648	0.05535079	0.00056521	0.01443993
Cnpy3	0.50862546	0.52698451	0.47166236	0.05532215	0.30103245	0.90650187
Casz1	0.35064906	0.40665284	0.35138696	0.05526588	0.24221299	0.90650187
Nfic	0.63645247	0.61168239	0.5566231	0.05505929	0.33006109	0.90650187

Apex1	0.69728634	0.64882306	0.59376594	0.05505712	0.34008902	0.90650187
Dusp3	0.33863667	0.39647071	0.34144324	0.05502746	0.23685367	0.90650187
Tbrg1	1.40410605	0.93022209	0.87521514	0.05500695	0.38996713	0.90650187
Prex2	0.1015194	0.17154356	0.11657572	0.05496784	0.01803248	0.26900066
Colgalt1	0.53603777	0.5456888	0.49073166	0.05495714	0.30928983	0.90650187
1810008118R	0.20796601	0.27973119	0.22478431	0.05494688	0.13858559	0.90650187
Gm266	0.17588533	0.24845469	0.19353254	0.05492216	0.10354485	0.90650187
Trib1	0.26036802	0.32842081	0.27352581	0.054895	0.18614108	0.90650187
Arl13b	0.28764291	0.35258629	0.29782982	0.05475647	0.20686951	0.90650187
Narf	0.25742961	0.32554916	0.27086513	0.05468403	0.18472389	0.90650187
Pard6g	0.2231419	0.29385649	0.23918765	0.05466883	0.15479333	0.90650187
Flnc	0.17770511	0.24996419	0.19533521	0.05462898	0.10687989	0.90650187
Ehbp1l1	0.19131258	0.26317869	0.20870009	0.0544786	0.12292855	0.90650187
Zcchc5	0.20830299	0.27954723	0.22510672	0.05444051	0.14115621	0.90650187
Metap2	1.83958632	0.97997454	0.92560769	0.05436685	0.39700043	0.90650187
Dok2	0.03955694	0.10158075	0.04728507	0.05429568	1.66E-07	7.84E-06
Spcs2	2.29956915	0.96836024	0.91410679	0.05425345	0.39594675	0.90650187
Nucks1	0.9935581	0.80224495	0.74806101	0.05418394	0.37372391	0.90650187
Ctnna1	0.25773614	0.32530746	0.27114307	0.05416438	0.18725205	0.90650187
Npnt	0.21456881	0.28516206	0.23108016	0.05408191	0.14906592	0.90650187
Phb	0.74326623	0.67463735	0.62057503	0.05406232	0.34927238	0.90650187
Lsm4	1.23287734	0.88622101	0.83219817	0.05402283	0.38644749	0.90650187
Rps23	4.89747676	0.60809431	0.55412334	0.05397098	0.33250848	0.90650187
Rarb	0.09469314	0.16312845	0.10920374	0.05392471	0.01407331	0.22054475
Rrs1	0.36667593	0.41838134	0.36446537	0.05391597	0.25538283	0.90650187
Fcr1s	0.02570263	0.08485405	0.03100872	0.05384533	5.83E-15	6.12E-13
Asb4	0.21375788	0.28410164	0.23030936	0.05379229	0.14955598	0.90650187
Bmp2k	0.11003772	0.17947056	0.12572864	0.05374192	0.02870039	0.38540161
Nav2	0.66842159	0.63008151	0.57638823	0.05369328	0.33938976	0.90650187
Fam132a	0.30238424	0.36436306	0.31067693	0.05368612	0.22117907	0.90650187

Fam49b	0.58243255	0.57559684	0.52192245	0.05367439	0.32376896	0.90650187
Nudc	1.64200957	0.96637345	0.91273859	0.05363485	0.39695557	0.90650187
Pbdc1	0.74122593	0.67300372	0.61940771	0.05359601	0.35024144	0.90650187
Pou2f2	0.02999453	0.08967157	0.03608309	0.05358848	2.02E-11	1.51E-09
Dbn1	0.99676959	0.80295812	0.74938956	0.05356856	0.37532404	0.90650187
Psrc1	0.09247505	0.16019124	0.10679718	0.05339407	0.01312089	0.20906769
Srpx2	0.19968856	0.27019178	0.21682732	0.05336446	0.13694886	0.90650187
Zfyve21	0.68927853	0.64226925	0.58898867	0.05328058	0.34378514	0.90650187
Crot	0.39035006	0.43665858	0.3834004	0.05325819	0.26843944	0.90650187
Cpt2	0.53667391	0.54436369	0.49116847	0.05319522	0.31508972	0.90650187
Rac1	0.71401404	0.65683284	0.60364124	0.0531916	0.34762609	0.90650187
Serp1	1.4974411	0.94598363	0.89289441	0.05308922	0.39576498	0.90650187
Vwf	0.04379133	0.10521286	0.05220027	0.05301259	3.17E-06	0.00012384
Nap115	0.11871056	0.18779271	0.13495507	0.05283764	0.0408817	0.50559243
Gadd45b	0.27743559	0.34163298	0.28881687	0.05281611	0.20811744	0.90650187
Adra2a	0.2255137	0.29420811	0.24141679	0.05279132	0.16549199	0.90650187
Snd1	0.9224855	0.76825545	0.71565933	0.05259611	0.37193909	0.90650187
Nme2	0.48596093	0.50804727	0.45552009	0.05252718	0.30410361	0.90650187
Scn3a	0.15826602	0.22840158	0.175885	0.05251658	0.09218981	0.90003543
Afap1l1	0.07714317	0.14245881	0.08997378	0.05248503	0.00475318	0.09020358
Pbx1	1.20118806	0.87517123	0.82279568	0.05237556	0.38859311	0.90650187
Efcab1	0.54956707	0.55217768	0.49996539	0.05221229	0.32122976	0.90650187
Fmo2	0.11063304	0.17839084	0.12636492	0.05202592	0.03360193	0.43470892
Ccdc85b	0.23803424	0.30497001	0.25309033	0.05187968	0.18107346	0.90650187
Cd36	0.06426641	0.12745388	0.07558453	0.05186935	0.00114129	0.02648666
Wfdc1	0.10741917	0.17466799	0.12292467	0.05174331	0.03065093	0.40479999
Limch1	0.20146013	0.27025197	0.21853637	0.0517156	0.14639251	0.90650187
Arhgap29	0.40403866	0.44573438	0.3941454	0.05158898	0.28032464	0.90650187
Cdc42ep1	0.18147946	0.25057737	0.19906248	0.05151489	0.12497566	0.90650187
Ptprb	0.05724854	0.11913872	0.06764017	0.05149855	0.00035627	0.00948449

D630033O11	0.11277449	0.18013698	0.12865011	0.05148687	0.03760597	0.47484348
Cdca2	0.08547759	0.15064012	0.09916014	0.05147998	0.01050009	0.17424873
Aldh1b1	0.10012592	0.16654751	0.11506976	0.05147774	0.0233621	0.32550623
Ncl	2.49231633	0.94978174	0.89832156	0.05146018	0.39949065	0.90650187
Pamr1	0.23153299	0.29844898	0.24704851	0.05140048	0.17749725	0.90650187
Taf1b	0.20847813	0.27666329	0.22527424	0.05138905	0.15526236	0.90650187
Fam192a	0.50168656	0.51814591	0.46675711	0.05138879	0.31226151	0.90650187
lah1	0.39688804	0.43992736	0.38855131	0.05137605	0.27832702	0.90650187
Tmem203	0.25705248	0.32186699	0.27052304	0.05134395	0.19940337	0.90650187
Lsm2	0.73754607	0.668503	0.61729655	0.05120645	0.35614761	0.90650187
Tln2	0.22625087	0.29326363	0.24210846	0.05115517	0.1737849	0.90650187
Smagp	0.09643706	0.16222471	0.11109106	0.05113365	0.02036589	0.29233414
Stt3a	1.15261086	0.85844461	0.80739525	0.05104936	0.38932324	0.90650187
Fyn	0.30380996	0.36290142	0.31190882	0.0509926	0.23367649	0.90650187
Ly86	0.02220853	0.07775091	0.02685604	0.05089487	1.81E-17	2.25E-15
Tnfrsf12a	0.30187139	0.36112221	0.31023336	0.05088885	0.23293018	0.90650187
Mrps28	0.75064585	0.6756448	0.62478083	0.05086397	0.35870561	0.90650187
Pxdn	0.28996924	0.35073267	0.29987058	0.05086209	0.2254142	0.90650187
Dnajc25	0.30069925	0.36007119	0.30921868	0.0508525	0.23235861	0.90650187
Abrac1	0.88228185	0.74637938	0.69561605	0.05076334	0.37280891	0.90650187
Lgals3bp	0.41632876	0.45442548	0.40366967	0.05075582	0.28809013	0.90650187
Lrrn4	0.07456216	0.13776729	0.08710883	0.05065845	0.00486389	0.09161836
Cd79a	0.16011804	0.22841114	0.17775645	0.0506547	0.10260438	0.90650187
Acp5	0.13174887	0.19927501	0.14865216	0.05062284	0.06502157	0.70962289
Cxx1b	0.57618208	0.56837916	0.51779726	0.05058189	0.33204383	0.90650187
Dse	0.2078709	0.27526032	0.22469329	0.05056704	0.15853914	0.90650187
Cmb1	0.1326686	0.20017202	0.14961059	0.05056143	0.06649584	0.72200237
Aig1	0.48103854	0.50246446	0.4519679	0.05049656	0.30970393	0.90650187
Dusp6	0.21407832	0.28105439	0.23061403	0.05044036	0.16543775	0.90650187
Tmem132a	0.30847946	0.36632806	0.31593084	0.05039722	0.23911193	0.90650187

Rftn2	0.12009476	0.18678401	0.13641909	0.05036491	0.05036916	0.59538226
Dnajc10	0.86889203	0.73910643	0.68876637	0.05034007	0.37262183	0.90650187
Gdap1l1	0.39523133	0.43758471	0.38724963	0.05033507	0.28168468	0.90650187
Fgl2	0.04244949	0.10095366	0.05064567	0.05030799	5.03E-06	0.00018918
Edem2	0.59210805	0.57846756	0.52826311	0.05020446	0.33633137	0.90650187
Stra13	0.87951993	0.74421295	0.69420901	0.05000395	0.37440174	0.90650187
Gstt1	0.22628132	0.2920626	0.24213702	0.04992558	0.17966893	0.90650187
Canx	2.02438139	0.97665171	0.92682422	0.04982749	0.40555177	0.90650187
Fhl2	0.20862244	0.27523249	0.22541225	0.04982024	0.16291189	0.90650187
Gm8186	1.07735706	0.83084374	0.78103068	0.04981306	0.38838352	0.90650187
Mpp1	0.25151873	0.31529039	0.26548775	0.04980264	0.2021552	0.90650187
Mrpl1	0.64318371	0.6106338	0.56083141	0.04980238	0.34650476	0.90650187
Ano1	0.16368209	0.23105683	0.18134696	0.04970987	0.11149685	0.90650187
Ppp3ca	0.99531584	0.79840641	0.74878868	0.04961773	0.38415597	0.90650187
Plpp2	0.1928192	0.2597769	0.21016753	0.04960936	0.14700371	0.90650187
Ahsa1	1.30792766	0.90239337	0.85278817	0.04960519	0.39797459	0.90650187
Vta1	0.56142692	0.55751254	0.50796524	0.0495473	0.33227943	0.90650187
Smtnl2	0.20936365	0.27561309	0.22612075	0.04949234	0.16526788	0.90650187
Fech	0.27529681	0.33628111	0.28691613	0.04936498	0.22217063	0.90650187
Cmas	0.50652266	0.51951779	0.47017917	0.04933862	0.32042768	0.90650187
Dad1	2.52600523	0.94464281	0.89537207	0.04927074	0.40336997	0.90650187
Cpz	0.15862086	0.22550378	0.17624386	0.04925992	0.10701853	0.90650187
Gpc6	0.20484758	0.27101958	0.22179506	0.04922452	0.1619085	0.90650187
Znrd1	0.62381655	0.59781829	0.54865578	0.04916251	0.34518602	0.90650187
Rarg	0.14889576	0.21551441	0.16635627	0.04915814	0.09447813	0.90650187
Arpc4	1.23753922	0.88266105	0.83356509	0.04909597	0.3967221	0.90650187
Pld4	0.02603365	0.08043054	0.03140113	0.04902942	1.94E-12	1.60E-10
Pcyt1b	0.20301033	0.26901915	0.22002914	0.04899001	0.16112991	0.90650187
Banf1	1.02655133	0.81043382	0.76149319	0.04894063	0.38754783	0.90650187
Mmrn2	0.08756673	0.15037621	0.10144741	0.0489288	0.01601054	0.24313303

Fam20c	0.49978892	0.51431671	0.46541014	0.04890657	0.32019396	0.90650187
Bcl7c	0.68980027	0.63816201	0.58930104	0.04886097	0.35621277	0.90650187
Cnn1	0.03044178	0.08541807	0.03661021	0.04880786	1.54E-09	9.32E-08
Tmem47	0.11684019	0.18175784	0.13297313	0.04878471	0.05144638	0.60504342
Slc38a4	0.47287023	0.49475219	0.44603708	0.04871511	0.31364717	0.90650187
Mmrn1	0.03066279	0.08555556	0.03687057	0.04868503	2.18E-09	1.28E-07
Coq3	0.09421858	0.1572391	0.10868942	0.04854967	0.02352917	0.32723407
Rab3d	0.44577792	0.47454967	0.42602738	0.04852229	0.30631203	0.90650187
Tcp11l2	0.31208895	0.3675331	0.31902663	0.04850647	0.24954157	0.90650187
Dkc1	0.41320786	0.44973529	0.40126187	0.04847342	0.29561993	0.90650187
Trim30a	0.03833452	0.09431524	0.04586097	0.04845427	1.32E-06	5.56E-05
Col23a1	0.10269426	0.16627776	0.11784352	0.04843425	0.03383746	0.43738367
Cyth3	0.35215101	0.40101296	0.35262152	0.04839144	0.27090256	0.90650187
Rab26os	0.3214441	0.37524522	0.32699724	0.04824798	0.25593043	0.90650187
Mapk3	1.1812078	0.86480367	0.81659657	0.0482071	0.3964901	0.90650187
Bsg	3.50180263	0.81812224	0.76997511	0.04814713	0.39051111	0.90650187
Dcaf12	0.28526139	0.34378961	0.29573554	0.04805407	0.23503457	0.90650187
Nemf	0.51073505	0.52117728	0.47314745	0.04802982	0.3258941	0.90650187
Jam3	0.63141746	0.6014484	0.55345885	0.04798955	0.34994404	0.90650187
Ezh2	0.41258143	0.4487049	0.40077769	0.04792721	0.29749109	0.90650187
Tmem37	0.12159829	0.18591823	0.13800668	0.04791155	0.06137005	0.68093876
Tceal3	0.0719084	0.13200597	0.08415314	0.04785283	0.00573655	0.10493536
Dnajc24	0.53400506	0.53717162	0.48933421	0.04783741	0.33192518	0.90650187
Mtap	0.26180129	0.32262363	0.27482063	0.047803	0.21967834	0.90650187
Fam110b	0.34825938	0.39719321	0.34941886	0.04777435	0.27165136	0.90650187
Ap2a2	0.94542769	0.77441473	0.72670426	0.04771047	0.38519364	0.90650187
C030010L15F	0.01938342	0.07117471	0.0234842	0.04769051	8.75E-20	1.24E-17
Mrpl57	1.07230913	0.82683941	0.7791606	0.04767881	0.39279645	0.90650187
Slc3a2	0.7936263	0.6964452	0.64877052	0.04767468	0.3719535	0.90650187
Tff3	0.05621446	0.11413479	0.06646339	0.0476714	0.0007147	0.01781012

Rbpms	0.78704494	0.6928018	0.64515273	0.04764907	0.37132755	0.90650187
Elof1	1.49212098	0.93959035	0.89198585	0.0476045	0.40622829	0.90650187
Acvr1c	0.25969676	0.32050899	0.27291873	0.04759027	0.21910968	0.90650187
Gpc4	0.51473733	0.52343971	0.47595703	0.04748268	0.32870027	0.90650187
2210013O21	1.00709116	0.80110621	0.75363136	0.04747485	0.38971955	0.90650187
Foxa3	0.26896575	0.32869663	0.28126373	0.0474329	0.22671279	0.90650187
Rbbp7	1.54410082	0.9479842	0.90056398	0.04742021	0.40745817	0.90650187
Slc4a7	0.32264047	0.37540837	0.32801069	0.04739767	0.2603094	0.90650187
Maob	0.15727999	0.22227097	0.17488703	0.04738394	0.11419941	0.90650187
Pla2g16	0.38337272	0.42520249	0.37786613	0.04733635	0.28879323	0.90650187
Ttyh2	0.26921576	0.32881949	0.28148769	0.0473318	0.22737394	0.90650187
Herpud1	0.68891525	0.63606317	0.5887711	0.04729207	0.36051369	0.90650187
Chmp2a	1.65098487	0.96098202	0.91369833	0.0472837	0.40902289	0.90650187
Bcl2l1	0.31391213	0.3677785	0.32058599	0.04719251	0.25641916	0.90650187
Tcf19	0.17138714	0.23613862	0.18906043	0.04707819	0.13414558	0.90650187
Desi1	0.53521682	0.53723923	0.49016759	0.04707164	0.33471905	0.90650187
Ddx21	0.60162855	0.58146215	0.53444652	0.04701563	0.34786792	0.90650187
Epb41l2	0.31335603	0.36709836	0.32011067	0.04698769	0.25702264	0.90650187
Hmgn5	0.4067686	0.44323913	0.39627082	0.04696831	0.29912494	0.90650187
Crabp1	0.09774928	0.15947577	0.11250841	0.04696736	0.03173769	0.4159005
Becn1	0.55362291	0.54966091	0.50271081	0.0469501	0.33900055	0.90650187
Etnk1	0.4272844	0.45894937	0.41206216	0.04688721	0.30648059	0.90650187
Ctxn1	0.62800156	0.59818817	0.55130424	0.04688393	0.35269205	0.90650187
Cpq	0.46744588	0.48893565	0.4420727	0.04686295	0.31872507	0.90650187
Tes	0.47684243	0.49578531	0.44892688	0.04685843	0.32131424	0.90650187
Vit	0.05129135	0.10767415	0.06083899	0.04683516	0.00031044	0.00836709
Tbc1d15	0.44855162	0.47493429	0.4280998	0.0468345	0.31335836	0.90650187
Prelp	0.15103742	0.21530508	0.16854308	0.046762	0.10870841	0.90650187
Ndufb4	1.90383029	0.97377659	0.92702908	0.04674752	0.41130876	0.90650187
O610040J01F	0.45776196	0.48166617	0.43494238	0.0467238	0.316478	0.90650187

Acot9	0.24589647	0.30703809	0.26034104	0.04669704	0.21260857	0.90650187
Lin7c	0.58994508	0.57354321	0.52685036	0.04669285	0.34679123	0.90650187
Vamp3	0.77018949	0.68248626	0.63579588	0.04669038	0.37203511	0.90650187
Orai1	0.26160147	0.32129647	0.27464023	0.04665624	0.22505687	0.90650187
Gng5	2.61280527	0.93355538	0.88701442	0.04654096	0.40778071	0.90650187
Stx16	1.00585718	0.79962879	0.75312648	0.04650231	0.39185134	0.90650187
Bbip1	0.87921032	0.74054867	0.69405109	0.04649758	0.38291608	0.90650187
Fblim1	0.16586282	0.22993153	0.18353682	0.0463947	0.130556	0.90650187
Gm43861	0.28181197	0.33895251	0.29269292	0.04625959	0.24114626	0.90650187
Vars	0.40708899	0.44276113	0.3965199	0.04624123	0.30207695	0.90650187
Klf3	0.56042512	0.55351926	0.50729279	0.04622647	0.34270173	0.90650187
Cmip	0.59501442	0.57636509	0.53015633	0.04620875	0.34919978	0.90650187
Fxyd7	0.06216268	0.11941528	0.0732107	0.04620459	0.00251036	0.0520599
Timeless	0.12096526	0.18352486	0.13733859	0.04618627	0.06745266	0.73016166
Amigo2	0.2903671	0.34639675	0.3002191	0.04617766	0.24705298	0.90650187
Rab3ip	0.39348693	0.43199041	0.38587616	0.04611425	0.2976146	0.90650187
Tmem121	0.12080048	0.18326861	0.1371646	0.04610401	0.06755319	0.73016166
Il33	0.06276626	0.1199652	0.07389244	0.04607275	0.00278664	0.05685867
Slc7a14	0.39160038	0.4304052	0.38438812	0.04601707	0.29729154	0.90650187
Ckap2	0.11186358	0.17365622	0.12767875	0.04597748	0.05470226	0.63138125
Rnf2	0.61684016	0.59016591	0.54421925	0.04594666	0.35370826	0.90650187
Atad2	0.18416161	0.24762361	0.2017017	0.04592191	0.15573512	0.90650187
Lrrc8c	0.15851174	0.22205133	0.17613352	0.04591781	0.12323533	0.90650187
Erlec1	0.77421774	0.68395011	0.63804367	0.04590644	0.37453883	0.90650187
Ggps1	0.15150654	0.21479971	0.16902137	0.04577833	0.11428254	0.90650187
Birc6	0.74314451	0.66626963	0.62050544	0.04576419	0.37150227	0.90650187
1810011010	0.09396524	0.15417297	0.10841473	0.04575824	0.03030417	0.40204743
Npl	0.09937992	0.16000919	0.11426639	0.0457428	0.03756639	0.47484348
Adm	0.07037046	0.12816738	0.08243555	0.04573183	0.00682703	0.12137734
Cpeb1	0.05416293	0.1098419	0.06412404	0.04571786	0.00076341	0.01883852

Clec11a	0.25544925	0.31472548	0.26906726	0.04565822	0.22531108	0.90650187
Hspa4	0.89860495	0.74949082	0.70385063	0.04564019	0.38657041	0.90650187
Pgm5	0.13266085	0.19523788	0.14960252	0.04563536	0.08753274	0.87082866
Fn3krp	0.07212157	0.12991598	0.08439094	0.04552505	0.00823791	0.14262465
Ppp1r9a	0.44866908	0.47367922	0.42818744	0.04549178	0.31835167	0.90650187
Cltb	1.0622364	0.82085752	0.77538076	0.04547676	0.39714701	0.90650187
Acot7	0.19236231	0.25514182	0.20972278	0.04541903	0.16783106	0.90650187
Mrpl4	0.6123174	0.58669045	0.54132718	0.04536327	0.3547446	0.90650187
Nov	0.09465203	0.1544575	0.10915919	0.0452983	0.03253228	0.42448348
Serpina6	0.0255265	0.07608593	0.03079986	0.04528608	3.15E-11	2.30E-09
Osgep	0.55436546	0.54845975	0.50321236	0.04524739	0.3446755	0.90650187
Cited4	0.09260171	0.15217515	0.10693477	0.04524038	0.03000085	0.39942481
Chaf1a	0.12803674	0.18994495	0.1447736	0.04517136	0.08270709	0.83684877
C5ar1	0.02622331	0.07679647	0.03162587	0.0451706	1.08E-10	7.49E-09
Pop5	0.87849371	0.73885107	0.69368544	0.04516563	0.38611776	0.90650187
Etv5	0.11584567	0.17700873	0.13191755	0.04509118	0.06430984	0.70481173
Mitd1	0.30581934	0.35872422	0.31364194	0.04508228	0.26141056	0.90650187
Efh2	0.45020726	0.47437345	0.42933423	0.04503922	0.32047699	0.90650187
Adgra2	0.20297913	0.2649737	0.21999913	0.04497457	0.18172299	0.90650187
Gbp7	0.07701225	0.13477722	0.08982869	0.04494853	0.01305758	0.20849614
Irak4	0.08946643	0.14845351	0.10352196	0.04493156	0.02683297	0.36483716
Cnih4	0.58818001	0.57058677	0.52569549	0.04489127	0.35211065	0.90650187
Wsb1	0.60326314	0.58023795	0.53550293	0.04473502	0.3551778	0.90650187
Zeb2os	0.0846089	0.1429398	0.09820724	0.04473256	0.02143699	0.30568827
mt-Nd3	2.25099264	0.96214627	0.91743994	0.04470633	0.41424761	0.90650187
Insig1	0.23889987	0.29857887	0.25389162	0.04468725	0.21696995	0.90650187
Leprot	0.65233968	0.61119322	0.56651442	0.0446788	0.3629413	0.90650187
Kctd12b	0.24414906	0.30341344	0.2587348	0.04467864	0.22134085	0.90650187
Lrrc8a	0.29586552	0.34969672	0.30502104	0.04467568	0.25747902	0.90650187
Ncf1	0.02716294	0.07736011	0.03273854	0.04462157	6.84E-10	4.33E-08

Shisa3	0.06481503	0.12082206	0.07620251	0.04461955	0.00461957	0.08799756
Gng2	0.19103122	0.25301627	0.20842577	0.0445905	0.17077918	0.90650187
Sdcbp	1.23493786	0.87737524	0.83280322	0.04457202	0.40596732	0.90650187
Snx15	0.51183409	0.51847313	0.47392	0.04455313	0.33799893	0.90650187
Ddr2	0.21650636	0.27747073	0.23291908	0.04455165	0.19756962	0.90650187
Cx3cr1	0.02148106	0.07052115	0.02598901	0.04453214	1.29E-14	1.29E-12
Polr2k	1.32668013	0.90181935	0.85746257	0.04435678	0.40905659	0.90650187
Epha2	0.0399263	0.09202265	0.04771491	0.04430774	1.83E-05	0.00062457
Skap1	0.06456101	0.12011324	0.07591643	0.04419681	0.00482492	0.09122337
Scamp3	0.63421696	0.59940041	0.55521989	0.04418052	0.36176302	0.90650187
Ccdc88a	0.7362637	0.66073429	0.61655927	0.04417503	0.3750463	0.90650187
Ctps	0.31972518	0.36964397	0.32553848	0.04410549	0.27348335	0.90650187
Ccdc102a	0.2769629	0.33247998	0.28839715	0.04408283	0.24840064	0.90650187
Psemb9	0.06588708	0.12148906	0.07740883	0.04408023	0.00567818	0.10411931
Grap	0.06071688	0.11556476	0.07157549	0.04398926	0.0031456	0.06324898
Eif4a2	2.39300379	0.9506147	0.9066542	0.0439605	0.41466851	0.90650187
Tspan14	0.21480876	0.27525965	0.23130811	0.04395155	0.19913277	0.90650187
Pear1	0.24466186	0.30309831	0.25920648	0.04389183	0.22579067	0.90650187
Bcl10	0.567873	0.55615783	0.51227771	0.04388012	0.35167699	0.90650187
Hprt	0.92215217	0.75936698	0.71549681	0.04387017	0.39258838	0.90650187
Nfatc4	0.19941518	0.26038625	0.21656329	0.04382297	0.1841674	0.90650187
Muc1	0.21782338	0.27794421	0.23416686	0.04377735	0.20295761	0.90650187
Klk8	0.12856764	0.18910459	0.14532931	0.04377528	0.09027224	0.88874891
Dcdc2a	0.1249087	0.18525724	0.14149245	0.0437648	0.08455593	0.85008909
Prss50	0.18973632	0.25091377	0.2071622	0.04375157	0.17389395	0.90650187
Ctse	0.02469231	0.07355968	0.02980997	0.04374971	3.41E-11	2.48E-09
Ahnak2	0.1502774	0.21143556	0.16776767	0.0436679	0.12360806	0.90650187
Lipa	0.27113559	0.3268507	0.28320554	0.04364516	0.24663476	0.90650187
Fam92a	0.74096101	0.66288917	0.619256	0.04363317	0.37704906	0.90650187
Cfp	0.02871996	0.07821176	0.03457919	0.04363257	1.01E-08	5.67E-07

Bag2	0.27073706	0.32635172	0.28284922	0.0435025	0.24707007	0.90650187
Lpar6	0.34123408	0.38701648	0.34360392	0.04341256	0.28716733	0.90650187
Lama2	0.10892262	0.16792901	0.12453562	0.04339338	0.06068678	0.67483526
1110012L19F	0.37931272	0.41798742	0.37462828	0.04335914	0.30344059	0.90650187
Sema6a	0.25137377	0.30851837	0.26535545	0.04316292	0.2348013	0.90650187
Ncaph	0.09246263	0.14993251	0.10678368	0.04314883	0.03621807	0.46071206
Ensa	0.50966191	0.51551091	0.47239235	0.04311856	0.34245153	0.90650187
Ninj1	0.58109585	0.56405358	0.52104218	0.0430114	0.35681719	0.90650187
Cfap57	0.03435311	0.08420693	0.04120665	0.04300028	1.75E-06	7.21E-05
Rrad	0.06195595	0.11590376	0.07297707	0.04292669	0.00446135	0.08530447
Pygb	0.29720257	0.3490827	0.30618442	0.04289828	0.26668953	0.90650187
Plcx3	0.28651287	0.33970237	0.29683672	0.04286565	0.26044246	0.90650187
Hspd1	1.83966475	0.96842058	0.9256101	0.04281049	0.41854614	0.90650187
Apbb1	0.44163818	0.46568675	0.42292309	0.04276367	0.32652996	0.90650187
Raly	1.54275683	0.94302124	0.90035101	0.04267023	0.41656455	0.90650187
Atp2b1	1.46928326	0.93061766	0.88799151	0.04262615	0.41550675	0.90650187
Chchd2	3.49854333	0.81299357	0.77047779	0.04251577	0.40310696	0.90650187
Armcx1	0.50682716	0.51280914	0.47039412	0.04241501	0.34426296	0.90650187
Gpr180	0.45946491	0.4785883	0.436201	0.0423873	0.33287202	0.90650187
Robo4	0.0573012	0.11005627	0.06770005	0.04235622	0.00270647	0.05537394
Cracr2b	0.09462775	0.15139551	0.10913289	0.04226262	0.04257118	0.52297082
Bin1	0.48099963	0.49417449	0.45193975	0.04223474	0.33890574	0.90650187
Clk4	0.49965601	0.50751664	0.46531571	0.04220094	0.34340572	0.90650187
Vgll3	0.09899228	0.15604251	0.11384881	0.0421937	0.04971802	0.58951921
Tmem222	0.51042254	0.51510988	0.47292764	0.04218225	0.34586042	0.90650187
Snai2	0.18420655	0.24388147	0.20174585	0.04213562	0.17657752	0.90650187
Arf3	0.70115353	0.6381682	0.59606126	0.04210694	0.37674292	0.90650187
Prdx3	0.82204644	0.70622789	0.66416874	0.04205915	0.38915485	0.90650187
Gm21541	0.01639563	0.06188596	0.01990425	0.04198171	3.41E-21	5.39E-19
Car9	0.07748643	0.1323311	0.09035408	0.04197702	0.01944469	0.28258006

B4galt1	0.38721017	0.42288524	0.38091461	0.04197063	0.31212571	0.90650187
Specc1	0.090147	0.14621238	0.10426394	0.04194844	0.03683982	0.46705764
Dnm3os	0.15539615	0.2149234	0.1729773	0.0419461	0.14050875	0.90650187
Coro1c	0.42303642	0.45070721	0.40881905	0.04188816	0.32437372	0.90650187
Nab2	0.2880585	0.34002478	0.29819476	0.04183003	0.266439	0.90650187
Ostf1	0.70857635	0.64222965	0.6004462	0.04178345	0.37852465	0.90650187
Ccl2	0.02883654	0.07644931	0.03471685	0.04173246	4.55E-08	2.37E-06
C1qbp	0.87645323	0.73436122	0.69264315	0.04171806	0.39444206	0.90650187
Atp5g1	2.84197468	0.90068813	0.85897758	0.04171054	0.41454401	0.90650187
Sephs2	0.53190426	0.52956602	0.48788722	0.0416788	0.3520561	0.90650187
Rassf2	0.12741103	0.18576145	0.1441182	0.04164325	0.0994718	0.90650187
Sdc2	0.46631942	0.48284146	0.44124663	0.04159483	0.33758166	0.90650187
Ebf2	0.12075118	0.17867313	0.13711254	0.04156059	0.08890623	0.87871497
Smpdl3a	0.26951832	0.32329452	0.28175865	0.04153588	0.25611936	0.90650187
Ndufa6	2.30874742	0.95493271	0.91341911	0.0415136	0.41994019	0.90650187
Sult5a1	0.14908626	0.20802127	0.16655103	0.04147024	0.13416207	0.90650187
Syne2	0.41769127	0.44617259	0.40471858	0.04145401	0.32442908	0.90650187
Spred1	0.23893264	0.29533602	0.25392194	0.04141408	0.23420514	0.90650187
Nxt1	0.38255017	0.41861803	0.3772112	0.04140683	0.31277549	0.90650187
Ackr3	0.12914468	0.18731966	0.14593294	0.04138672	0.1036944	0.90650187
Ppp1cb	1.77374337	0.96430253	0.92292457	0.04137796	0.42100927	0.90650187
Lbp	0.12458913	0.1825244	0.14115657	0.04136783	0.09631387	0.90650187
Bnip1	0.28022233	0.33262293	0.29128706	0.04133587	0.26406416	0.90650187
Glrx	0.44748431	0.46863615	0.42730298	0.04133316	0.33358872	0.90650187
Nmi	0.17907378	0.23796449	0.19668861	0.04127587	0.1754286	0.90650187
lpo11	0.14197534	0.20050953	0.15925247	0.04125706	0.12472015	0.90650187
Psmc9	0.77792127	0.68135442	0.6401038	0.04125063	0.387251	0.90650187
Chd2	0.45705506	0.47565268	0.43441932	0.04123336	0.33652736	0.90650187
Uqcrb	2.81212168	0.90478385	0.86356926	0.04121459	0.41598705	0.90650187
Rnf121	0.39736822	0.43013139	0.38892819	0.0412032	0.31883137	0.90650187

Blcap	0.42152218	0.44885878	0.40765979	0.04119899	0.32661387	0.90650187
Gytl1b	0.07859851	0.1327657	0.09158501	0.04118069	0.0228073	0.31953347
Tekt2	0.36155653	0.40147533	0.36031051	0.04116481	0.30576091	0.90650187
Cd74	0.02637932	0.07293775	0.03181072	0.04112703	4.53E-09	2.59E-07
Prdx2	2.8506446	0.89881068	0.85770707	0.0411036	0.41564583	0.90650187
Myo1f	0.02463654	0.07084106	0.02974375	0.04109732	4.06E-10	2.66E-08
Rhog	0.2720548	0.32511572	0.28402681	0.0410889	0.2600711	0.90650187
Kif20b	0.10177831	0.15793505	0.11685526	0.04107979	0.05904663	0.66199323
Rras2	0.2449669	0.30055353	0.25948694	0.04106658	0.24085194	0.90650187
Al607873	0.02067081	0.06608418	0.02502231	0.04106187	1.49E-13	1.41E-11
Klhl13	0.31110701	0.35924621	0.31818557	0.04106064	0.28308926	0.90650187
Sema5b	0.13186195	0.18982446	0.14877006	0.0410544	0.10994814	0.90650187
Degs1	1.08470466	0.82475544	0.78373553	0.0410199	0.40800557	0.90650187
Vldlr	0.22734286	0.28415066	0.24313204	0.04101862	0.22662289	0.90650187
Slc25a4	2.77234157	0.91019042	0.86918408	0.04100634	0.41693737	0.90650187
Mpeg1	0.02325213	0.06909476	0.02809838	0.04099638	4.40E-11	3.18E-09
Nuf2	0.10837254	0.16492872	0.12394654	0.04098218	0.07079265	0.7525308
Pde10a	0.13606933	0.19411842	0.15314565	0.04097277	0.11714454	0.90650187
Sbsn	0.19390998	0.25218182	0.21122844	0.04095338	0.19436503	0.90650187
Fermt3	0.02880048	0.07557941	0.03467427	0.04090514	7.84E-08	3.91E-06
Nrip1	0.41238599	0.44143639	0.40062658	0.04080981	0.32532783	0.90650187
Tac1	0.02685126	0.07315114	0.03236962	0.04078152	1.07E-08	5.94E-07
Syp	0.36239184	0.40171454	0.36098989	0.04072465	0.30800054	0.90650187
Acer2	0.3649378	0.40378058	0.36305709	0.04072349	0.30901085	0.90650187
Npc2	1.77589861	0.96367414	0.92303736	0.04063678	0.4224154	0.90650187
Pou3f4	0.13879398	0.19654593	0.15596804	0.04057789	0.12371698	0.90650187
Pld3	0.74609073	0.66276186	0.62218778	0.04057408	0.38594381	0.90650187
Fam46c	0.1836381	0.24172635	0.20118718	0.04053917	0.18518284	0.90650187
Adgrf5	0.12483844	0.18187067	0.14141861	0.04045206	0.10175006	0.90650187
Plekkg2	0.18070343	0.23872197	0.1982974	0.04042457	0.18239546	0.90650187

Sesn3	0.56903202	0.55345776	0.51305008	0.04040768	0.36311881	0.90650187
Fcgr1	0.02260636	0.0677086	0.02732984	0.04037875	2.55E-11	1.88E-09
Notch1	0.24803345	0.30267696	0.26230119	0.04037577	0.24689037	0.90650187
Tipin	0.53594692	0.53090389	0.49066926	0.04023463	0.35772835	0.90650187
Sesn2	0.27200624	0.32410731	0.28398345	0.04012386	0.26496358	0.90650187
Rai2	0.34492151	0.3867615	0.34666163	0.04009987	0.30354114	0.90650187
Mrps6	0.41553662	0.4431377	0.40305921	0.04007849	0.32922573	0.90650187
Paics	0.82594574	0.70631755	0.66625311	0.04006445	0.39460678	0.90650187
Ssbp1	0.94804163	0.76797998	0.72793893	0.04004105	0.40340814	0.90650187
C2	0.09104434	0.14524964	0.10524127	0.04000838	0.04551056	0.54992531
Acadm	0.49834294	0.50437671	0.46438217	0.03999454	0.3509065	0.90650187
Ftsj1	0.22197711	0.27804921	0.23809057	0.03995864	0.2278022	0.90650187
Znhit1	1.0607222	0.81470964	0.77480464	0.03990501	0.40944866	0.90650187
Klf14	0.11870747	0.17483362	0.1349518	0.03988183	0.09445772	0.90650187
Snai1	0.11404364	0.16986529	0.13000177	0.03986352	0.08641083	0.86189704
Uqcr11	2.62756692	0.92539056	0.8855352	0.03985537	0.42070751	0.90650187
Ebp	0.4403905	0.46180775	0.42198493	0.03982282	0.33741334	0.90650187
Nphp1	0.33680475	0.37971969	0.33991594	0.03980374	0.30133139	0.90650187
Tmem163	0.33208023	0.37575909	0.33596393	0.03979516	0.29924086	0.90650187
Mlec	0.87215928	0.73021001	0.69044436	0.03976564	0.39895941	0.90650187
Sod3	0.12077987	0.17684955	0.13714284	0.03970672	0.09902478	0.90650187
Rbp7	0.03605541	0.08285957	0.04319968	0.03965989	2.24E-05	0.00074472
Crb3	0.44496769	0.46507609	0.42542096	0.03965513	0.33929346	0.90650187
Spink2	0.09842869	0.15284318	0.11324131	0.03960186	0.06001085	0.66927728
Glrx5	1.09028217	0.82528107	0.78577526	0.03950581	0.41156997	0.90650187
Acyp2	0.28911355	0.33859514	0.29912051	0.03947463	0.27870859	0.90650187
Tmem151a	0.10041171	0.15483526	0.11537882	0.03945644	0.06422065	0.70434212
Psmg4	0.60046324	0.57313243	0.53369247	0.03943996	0.3712551	0.90650187
Gm10036	1.63529353	0.95137664	0.9120116	0.03936504	0.4239161	0.90650187
Ramp3	0.10505894	0.15974517	0.12038998	0.03935519	0.07307612	0.76980604

Ren1	0.03442347	0.08055416	0.04128913	0.03926503	1.18E-05	0.00041736
Tmem165	0.81544129	0.69984614	0.66062321	0.03922293	0.39591027	0.90650187
Egfl8	0.06591849	0.11664219	0.07744415	0.03919804	0.01222048	0.19741073
Mybbp1a	0.43161395	0.45450751	0.41535392	0.03915358	0.33758332	0.90650187
Nek8	0.10793906	0.16260564	0.12348205	0.0391236	0.07948718	0.81530674
Xaf1	0.10647888	0.16103803	0.12191571	0.03912233	0.07685056	0.79500368
Mfsd10	0.4796409	0.49007604	0.45095633	0.03911971	0.34987834	0.90650187
Ehd1	0.55116673	0.54013752	0.50104941	0.03908811	0.36436598	0.90650187
Eif2s3y	0.27333195	0.32421459	0.2851662	0.03904839	0.27134641	0.90650187
Irf8	0.03024997	0.0753847	0.03638418	0.03900051	9.43E-07	4.06E-05
Hdc	0.0227036	0.06639297	0.02744561	0.03894736	1.41E-10	9.55E-09
Tox3	0.44429589	0.46383113	0.42491775	0.03891338	0.341959	0.90650187
Tnnt2	0.03464171	0.08032833	0.04154486	0.03878347	1.66E-05	0.00057533
Fmo1	0.1835647	0.23986216	0.20111502	0.03874714	0.19586128	0.90650187
Dcaf12l2	0.0270379	0.07133503	0.03259054	0.03874449	6.28E-08	3.21E-06
Gnl3	0.55544119	0.54267717	0.50393836	0.03873881	0.36627208	0.90650187
Gsr	0.53207665	0.52659966	0.48800607	0.03859359	0.3625776	0.90650187
Calcr1	0.05791317	0.10695102	0.06839566	0.03855536	0.00610467	0.1104728
Marf1	0.30881952	0.35477691	0.31622299	0.03855391	0.29390636	0.90650187
Btbd3	0.29969863	0.34680588	0.30835151	0.03845437	0.28964935	0.90650187
Commd8	0.5820703	0.56010871	0.521684	0.03842472	0.37166687	0.90650187
Fzd1	0.20010198	0.25565082	0.21722645	0.03842437	0.21582638	0.90650187
Trip10	0.17967423	0.23568089	0.19728172	0.03839917	0.19343746	0.90650187
Med28	1.35796171	0.9033435	0.86498544	0.03835806	0.42185826	0.90650187
Cdc42ep3	0.19798512	0.2535089	0.21518075	0.03832815	0.21422274	0.90650187
Gm11808	2.21872294	0.95765102	0.91939599	0.03825503	0.42662367	0.90650187
Cldn15	0.0600732	0.10903234	0.0708465	0.03818585	0.00828402	0.14309708
Pfkl	0.64679305	0.60125998	0.56307704	0.03818295	0.3815311	0.90650187
Tomm6	0.55628819	0.5426309	0.50450949	0.0381214	0.36846715	0.90650187
Ncf2	0.03144487	0.07586063	0.03779128	0.03806935	3.76E-06	0.0001444

Vcl	0.2309292	0.28452974	0.24648524	0.0380445	0.24630282	0.90650187
Slc28a3	0.12553357	0.18019113	0.14214885	0.03804229	0.11707311	0.90650187
Rabl6	0.63515506	0.59384207	0.55580906	0.03803301	0.38048593	0.90650187
Ifi203	0.04038801	0.08623692	0.04825194	0.03798499	0.00023291	0.00642551
Trp53	0.87233956	0.7285162	0.69053683	0.03797937	0.40341895	0.90650187
Ddt	0.53959623	0.53114042	0.49317184	0.03796858	0.36607734	0.90650187
Neu1	0.35695041	0.3944196	0.35655405	0.03786555	0.31842155	0.90650187
Sf3b5	1.26546994	0.87942078	0.84155826	0.03786252	0.42073554	0.90650187
Chst5	0.01679056	0.05820586	0.02037827	0.03782759	7.77E-17	9.23E-15
Tmx1	1.03589406	0.80298528	0.76520607	0.03777921	0.41313601	0.90650187
Morc3	0.31635386	0.36041583	0.32266983	0.037746	0.30151498	0.90650187
Stx6	0.53070955	0.52479609	0.48706309	0.037733	0.36527155	0.90650187
Hacd1	0.52177801	0.51859429	0.48087341	0.03772088	0.36364821	0.90650187
Atf5	0.30297695	0.34888529	0.31118928	0.03769602	0.29510906	0.90650187
Ssbp2	0.77476929	0.67603495	0.63835086	0.03768409	0.39649123	0.90650187
Capg	0.17788861	0.23319838	0.19551678	0.0376816	0.19577944	0.90650187
Hoxb2	0.22563441	0.27914766	0.2415301	0.03761756	0.24434643	0.90650187
Dst	0.74308819	0.658083	0.62047324	0.03760976	0.39378448	0.90650187
Rrp15	0.37187985	0.40626309	0.36866679	0.0375963	0.32514517	0.90650187
Cpn1	0.25998101	0.31076083	0.27317585	0.03758498	0.27038467	0.90650187
Megf6	0.12970836	0.18409665	0.14652221	0.03757445	0.12713479	0.90650187
P4ha3	0.19897735	0.25368365	0.21614028	0.03754338	0.21999861	0.90650187
Stxbp1	0.32782243	0.36992893	0.33238608	0.03754285	0.30778836	0.90650187
Isx	0.01683842	0.05797689	0.02043571	0.03754118	1.58E-16	1.82E-14
Stc1	0.11183689	0.16514521	0.12765028	0.03749493	0.0958077	0.90650187
Slc11a1	0.0354645	0.07995133	0.04250837	0.03744296	4.50E-05	0.00141756
Itpkb	0.21788105	0.27165651	0.23422146	0.03743505	0.23868758	0.90650187
Plscr4	0.17765076	0.23268557	0.19528142	0.03740415	0.19724301	0.90650187
Aoc3	0.13474518	0.18917012	0.15177083	0.0373993	0.13665228	0.90650187
Smim19	0.21703045	0.27080762	0.23341582	0.03739179	0.23818315	0.90650187

Tmtc3	0.1773976	0.23241722	0.19503085	0.03738638	0.19705181	0.90650187
Sep-08	0.26146654	0.31178853	0.27451839	0.03727013	0.27306808	0.90650187
Mapk15	0.33784504	0.3780189	0.34078359	0.03723531	0.31357442	0.90650187
Fam92b	0.29862443	0.34462882	0.30741958	0.03720924	0.29525942	0.90650187
Slc1a5	0.24188338	0.2938246	0.2566477	0.0371769	0.25979686	0.90650187
Borcs8	0.46838555	0.47992092	0.44276113	0.03715979	0.35453398	0.90650187
Zfp503	0.28433508	0.33206848	0.29491954	0.03714894	0.28774594	0.90650187
Ppp2r2b	0.35394247	0.39122376	0.35409162	0.03713214	0.32053882	0.90650187
Dlgap5	0.09039465	0.14165166	0.10453377	0.03711789	0.05721995	0.64823856
Snta1	0.13468175	0.18880093	0.15170492	0.037096	0.13850242	0.90650187
3110002H16	0.17036016	0.2250787	0.18803616	0.03704254	0.19057737	0.90650187
Hip1r	0.28405267	0.33170231	0.29467061	0.0370317	0.28818798	0.90650187
Adrbk1	0.18294675	0.23753393	0.20050726	0.03702668	0.20583795	0.90650187
Ophn1	0.12535233	0.17895954	0.1419585	0.03700104	0.12328246	0.90650187
Gabarapl1	0.55196396	0.53857453	0.50158907	0.03698546	0.37153001	0.90650187
Ptbp1	0.85638744	0.71919435	0.68229579	0.03689856	0.40500296	0.90650187
Brd9	0.42282257	0.44545333	0.40865543	0.0367979	0.34446398	0.90650187
Zfp65	0.11243078	0.16507633	0.12828371	0.03679262	0.10114944	0.90650187
Paqr4	0.10040577	0.15213487	0.1153724	0.03676247	0.07830639	0.80536905
Gata2	0.04285582	0.08784915	0.05111671	0.03673244	0.0007001	0.01750365
Gpr119	0.09915809	0.15061319	0.11402744	0.03658574	0.07688017	0.79500368
Tcf15	0.06280595	0.11051867	0.07393725	0.03658142	0.01392041	0.21862316
Ptprc	0.02203512	0.06320919	0.02664944	0.03655975	5.34E-10	3.44E-08
Col26a1	0.11925635	0.17208025	0.13553261	0.03654764	0.11530299	0.90650187
Chka	0.70565722	0.63526718	0.59872501	0.03654218	0.39306856	0.90650187
Eif3j1	1.06094372	0.81137926	0.77488898	0.03649029	0.41708829	0.90650187
Ctnnb1	1.61031361	0.94565924	0.90918905	0.0364702	0.42923344	0.90650187
Tgfbr2	0.21243382	0.2654915	0.22904937	0.03644213	0.23968901	0.90650187
Spcs3	0.71955334	0.64331013	0.60688006	0.03643007	0.39478737	0.90650187
Pcdh1	0.21205111	0.26507409	0.22868483	0.03638925	0.2396581	0.90650187

Cxxc5	0.67035424	0.61393664	0.57756522	0.03637142	0.38975551	0.90650187
Myo1c	0.20427245	0.25755986	0.22124264	0.03631722	0.23277117	0.90650187
Atp6v1c1	0.58453139	0.55960757	0.5233025	0.03630506	0.37888061	0.90650187
Zhx3	0.1488663	0.20259324	0.16632614	0.0362671	0.16618378	0.90650187
Pik3r1	0.77036488	0.6721598	0.6358939	0.0362659	0.39992585	0.90650187
Mrc1	0.01918889	0.05950144	0.02325156	0.03624989	2.09E-12	1.71E-10
Ms4a6d	0.01893322	0.0591866	0.02294569	0.03624091	1.10E-12	9.27E-11
Scn9a	0.15995325	0.21381151	0.17759009	0.03622143	0.18227489	0.90650187
Baz2b	0.71232484	0.63885119	0.60265026	0.03620092	0.39471705	0.90650187
Psmc5	1.31705474	0.89124541	0.85506476	0.03618065	0.42539581	0.90650187
Ifnar2	0.39885093	0.42619911	0.39009082	0.03610829	0.34035215	0.90650187
Lrrc58	0.95921554	0.76927048	0.73318767	0.03608282	0.41340902	0.90650187
Adamts9	0.19484237	0.24821169	0.21213429	0.0360774	0.22480707	0.90650187
Klhl17	0.08704761	0.1369209	0.10087962	0.03604127	0.05611127	0.64256775
Pdcd5	1.47252146	0.9245962	0.88857417	0.03602203	0.42848952	0.90650187
Lbr	0.33236421	0.372215	0.33620202	0.03601298	0.31696581	0.90650187
Fndc4	0.22536991	0.27722827	0.24128182	0.03594645	0.25388574	0.90650187
Smim20	0.52633828	0.51998194	0.48404006	0.03594188	0.37066079	0.90650187
Fam178a	0.30992941	0.35311387	0.31717581	0.03593806	0.30723056	0.90650187
Cped1	0.12808828	0.18073108	0.14482755	0.03590353	0.13521135	0.90650187
Sult1a1	0.11332439	0.16508288	0.129236	0.03584688	0.10876892	0.90650187
Hsph1	0.53036493	0.52264539	0.4868252	0.03582019	0.3717946	0.90650187
Gpr183	0.04468016	0.08901954	0.05322852	0.03579102	0.00139837	0.03139815
Slc2a1	0.2540174	0.30353044	0.26776501	0.03576542	0.27632278	0.90650187
Depdc1a	0.07549277	0.12390473	0.08814292	0.03576181	0.03563958	0.45564114
Csgalnact1	0.09397977	0.14417035	0.10843049	0.03573985	0.07141688	0.7575771
4933434E20I	0.70186044	0.63219748	0.59648003	0.03571745	0.39504084	0.90650187
Unc5c	0.16794114	0.22133046	0.18561887	0.03571159	0.19619273	0.90650187
S1pr2	0.18832522	0.2414788	0.20578319	0.03569562	0.22031051	0.90650187
Ets2	0.33850037	0.37701896	0.3413297	0.03568926	0.3210265	0.90650187

Abcc9	0.14092502	0.19384773	0.15816944	0.03567829	0.15797973	0.90650187
Tlcd2	0.13117799	0.18369608	0.14805677	0.03563932	0.14228286	0.90650187
Parp1	0.54795949	0.53445779	0.49887442	0.03558337	0.37558648	0.90650187
Ift20	1.34424727	0.89732545	0.86177673	0.03554872	0.42724857	0.90650187
Gm2115	0.09274401	0.14263534	0.10708934	0.035546	0.07002254	0.74657023
Flrt3	0.13871454	0.1914211	0.15588588	0.03553522	0.15543328	0.90650187
Tcp11l1	0.16359547	0.21678183	0.18125987	0.03552196	0.19181789	0.90650187
Chrac1	0.68499004	0.62193092	0.58641598	0.03551494	0.39387327	0.90650187
Vip	0.02437583	0.06494854	0.02943413	0.03551441	4.07E-08	2.14E-06
Dnajc15	0.66953442	0.61251768	0.57706619	0.03545149	0.39238378	0.90650187
Slf1	0.20432681	0.25672217	0.22129487	0.0354273	0.23832489	0.90650187
Rnf138rt1	0.28729894	0.33293293	0.29752765	0.03540528	0.29839597	0.90650187
Lyn	0.08517557	0.13415882	0.09882897	0.03532985	0.05600349	0.6420129
Aifm2	0.15369315	0.2065622	0.17124741	0.03531479	0.17962982	0.90650187
Cdca7	0.21709331	0.26877011	0.23347539	0.03529471	0.25077695	0.90650187
Adam12	0.19049332	0.24313536	0.20790111	0.03523426	0.22559766	0.90650187
Thbs1	0.16466765	0.21747715	0.18233731	0.03513984	0.19579088	0.90650187
Gdf10	0.06142926	0.10746299	0.07238159	0.0350814	0.01559402	0.23847555
Fgf13	0.04745003	0.09144936	0.05642512	0.03502424	0.00289468	0.05866928
Aif1	0.02657233	0.06706151	0.03203933	0.03502219	5.88E-07	2.59E-05
B4gat1	0.3772098	0.40789881	0.3729461	0.03495272	0.33846914	0.90650187
9130401M01	0.45168073	0.46537982	0.43043121	0.03494861	0.35906527	0.90650187
Dll4	0.12524908	0.17677789	0.14185006	0.03492783	0.13683619	0.90650187
Tsen54	0.20032555	0.25236489	0.21744222	0.03492267	0.23761543	0.90650187
Aard	0.08512614	0.13369402	0.09877475	0.03491927	0.0580182	0.65425424
Rad51	0.09971686	0.14951472	0.11462919	0.03488554	0.08803608	0.87466439
Itgb5	0.16793538	0.22049862	0.18561311	0.03488551	0.20170673	0.90650187
Cyth4	0.09016265	0.13906767	0.104281	0.03478667	0.06903831	0.73905027
Dpp4	0.18130134	0.23363958	0.19888693	0.03475266	0.21863652	0.90650187
Baz1b	0.74551451	0.65659694	0.62185907	0.03473788	0.40193664	0.90650187

Pmm1	0.32072301	0.36112121	0.32638564	0.03473557	0.31806259	0.90650187
Fez2	0.25744551	0.3055779	0.27087954	0.03469836	0.28452177	0.90650187
Nudt7	0.30761916	0.34986049	0.31519128	0.03466921	0.3124241	0.90650187
Scpep1	0.68636803	0.62190119	0.58724366	0.03465753	0.39651901	0.90650187
Svip	0.37941829	0.40935391	0.37471264	0.03464127	0.3405416	0.90650187
Sct	0.17265557	0.22489936	0.1903239	0.03457545	0.20965549	0.90650187
Nfkb1	0.22396526	0.2745136	0.23996214	0.03455147	0.26105046	0.90650187
Tspan8	0.07626474	0.12354779	0.08899979	0.03454801	0.0422008	0.51942868
Pqlc1	0.29267636	0.33677387	0.30223917	0.03453469	0.3057381	0.90650187
Uap111	0.14988286	0.20185067	0.16736486	0.0344858	0.17982703	0.90650187
Stat1	0.10457096	0.15427706	0.11986507	0.03441199	0.10092716	0.90650187
Adap2os	0.02880625	0.06901511	0.03468108	0.03433403	5.38E-06	0.00020161
Sox6	0.2561614	0.30402145	0.26971422	0.03430723	0.28587565	0.90650187
Card19	0.54155928	0.52881445	0.49451462	0.03429983	0.37890804	0.90650187
Ddit3	0.24265765	0.29164488	0.25736151	0.03428337	0.27685716	0.90650187
Cdc42ep4	0.31554237	0.35625507	0.32197786	0.03427721	0.31800972	0.90650187
Nsdhl	0.21854316	0.26909803	0.23484804	0.03424999	0.25838171	0.90650187
Prss3	0.02625544	0.0659132	0.03166395	0.03424925	7.60E-07	3.31E-05
Stard5	0.28067612	0.32592475	0.29168863	0.03423612	0.30090814	0.90650187
Slc15a3	0.02706244	0.06683737	0.03261959	0.03421778	1.56E-06	6.48E-05
Fuca1	0.8171771	0.69575571	0.66155677	0.03419895	0.40911813	0.90650187
Jam2	0.06291356	0.10823938	0.07405873	0.03418065	0.02009455	0.28925871
Kcne3	0.0253548	0.06475093	0.0305962	0.03415473	3.48E-07	1.56E-05
Pitx2	0.04082238	0.08290463	0.04875685	0.03414777	0.00092421	0.02226462
Pth1r	0.18167681	0.23336907	0.19925694	0.03411213	0.2233067	0.90650187
C530008M17	0.10934207	0.15905216	0.12498456	0.0340676	0.1128024	0.90650187
Txn1	2.15949553	0.956477	0.92241655	0.03406045	0.43480454	0.90650187
Atg3	0.7048111	0.63226177	0.59822533	0.03403644	0.40015891	0.90650187
Gfra2	0.10800417	0.15757968	0.12355183	0.03402785	0.11040443	0.90650187
Spink1	0.02717945	0.06675777	0.03275807	0.03399969	1.97E-06	8.04E-05

Asrgl1	0.16148334	0.21297918	0.17913359	0.0338456	0.20046671	0.90650187
Hoxb5	0.11186067	0.16147027	0.12767565	0.03379462	0.11965505	0.90650187
Man1a	0.17301052	0.22445327	0.19067715	0.03377612	0.21549908	0.90650187
Hmha1	0.08797135	0.13562862	0.1018897	0.03373892	0.07049941	0.75046326
Dynll1	3.47475419	0.8080179	0.77429961	0.03371828	0.42324768	0.90650187
Rcsd1	0.19651468	0.24742744	0.21375666	0.03367077	0.24187989	0.90650187
Ahr	0.16162406	0.21294528	0.17927541	0.03366987	0.20187766	0.90650187
Dync1li1	0.52968979	0.52002385	0.48635894	0.03366491	0.37914882	0.90650187
Crabp2	0.01521471	0.05205857	0.0184853	0.03357327	3.40E-16	3.82E-14
2010107G12	0.0156793	0.05261396	0.01904381	0.03357015	2.31E-15	2.49E-13
Zfhx3	0.43730924	0.45319296	0.41966327	0.03352969	0.361224	0.90650187
Mgat2	0.92746644	0.75159982	0.71808281	0.03351701	0.41780902	0.90650187
Kifc3	0.28310273	0.32730625	0.29383273	0.03347352	0.30627218	0.90650187
Dynlt3	0.55389796	0.53631845	0.50289663	0.03342182	0.38382549	0.90650187
Gria3	0.24089403	0.28914242	0.25573473	0.03340769	0.28070517	0.90650187
Haus8	0.16289774	0.21393777	0.18055802	0.03337976	0.20557854	0.90650187
Kif3a	0.45519197	0.46641318	0.43303909	0.0333741	0.36594197	0.90650187
Serpini2	0.02315333	0.06132167	0.02798084	0.03334084	5.88E-08	3.03E-06
Inpp1	0.14825645	0.19903349	0.16570235	0.03333114	0.18559764	0.90650187
Dnajc12	0.33490895	0.37164215	0.3383324	0.03330975	0.33080835	0.90650187
Trp53i11	0.4147383	0.43572868	0.40244352	0.03328516	0.35655382	0.90650187
Itfg2	0.30581	0.34691678	0.3136339	0.03328287	0.31854606	0.90650187
Gm26523	0.14783706	0.19853548	0.16527312	0.03326236	0.18547135	0.90650187
Timp1	0.19656802	0.24704878	0.21380836	0.03324042	0.24473541	0.90650187
Camk2b	0.39381651	0.41937407	0.38613584	0.03323823	0.35098081	0.90650187
Ugt2b34	0.05877013	0.10260494	0.06936883	0.03323611	0.01658638	0.25048249
Gm16141	0.20603819	0.25616868	0.22293755	0.03323113	0.25377314	0.90650187
Tmem206	0.33476696	0.37143493	0.33821367	0.03322126	0.33117439	0.90650187
Snrpb2	1.05642792	0.80637329	0.77316601	0.03320728	0.42428721	0.90650187
Pycr1	0.19750105	0.24789939	0.21471219	0.0331872	0.2459974	0.90650187

Tril	0.14163749	0.19206226	0.15890424	0.03315802	0.17679462	0.90650187
Mnda	0.01661504	0.05329502	0.02016763	0.03312739	1.41E-13	1.34E-11
Mkrn1	0.78769926	0.67862333	0.64551339	0.03310993	0.40981308	0.90650187
Adam33	0.10508366	0.15345128	0.12041657	0.03303472	0.11130935	0.90650187
Dtx1	0.06310799	0.10730265	0.07427819	0.03302447	0.02404685	0.33351834
Wasf2	0.77618276	0.67213195	0.6391375	0.03299445	0.40924119	0.90650187
Prss53	0.18708775	0.23749813	0.20457208	0.03292605	0.23714265	0.90650187
Aldh1a3	0.04702342	0.08885796	0.05593355	0.03292441	0.00443744	0.08495408
Ddx3y	0.27466456	0.31925282	0.28635343	0.03289939	0.30475975	0.90650187
Cckar	0.02032166	0.05748742	0.02460543	0.03288199	1.42E-09	8.65E-08
A230083N12	0.01154633	0.04690386	0.01406309	0.03284077	1.50E-25	3.13E-23
C3	0.05044939	0.09270107	0.05987345	0.03282762	0.00739558	0.13011596
Chid1	0.57461517	0.54958266	0.51675953	0.03282313	0.38882892	0.90650187
Polr2c	1.17492883	0.84736163	0.81458283	0.0327788	0.4290116	0.90650187
Lrrc59	0.82933831	0.70083767	0.66806137	0.03277631	0.41367189	0.90650187
Aurka	0.10130508	0.14909758	0.11634427	0.03275331	0.10537061	0.90650187
Ell	0.1555639	0.20589456	0.17314752	0.03274704	0.20023322	0.90650187
Lrrc42	0.63591549	0.58901404	0.55628629	0.03272774	0.3968356	0.90650187
Nrbp1	0.65638156	0.60173633	0.56900897	0.03272735	0.39909306	0.90650187
Rab2b	0.2488332	0.29575939	0.26303343	0.03272596	0.29009362	0.90650187
Vps37a	0.56032111	0.53992745	0.50722294	0.03270451	0.38719324	0.90650187
Por	0.78560274	0.67705887	0.6443571	0.03270177	0.4107489	0.90650187
Rock1	1.12178097	0.82956461	0.79690435	0.03266025	0.42771355	0.90650187
Calm1	3.67412231	0.77342952	0.74077309	0.03265643	0.42231243	0.90650187
Spon2	0.08168384	0.12761922	0.09499083	0.03262838	0.06337797	0.69711178
Ddrgk1	0.76673511	0.66646144	0.63386245	0.03259899	0.40957684	0.90650187
Rab7b	0.13989063	0.18964561	0.15710156	0.03254404	0.17854605	0.90650187
Fam210b	0.1725975	0.22280446	0.1902661	0.03253836	0.22354794	0.90650187
Mcee	0.69578665	0.62533019	0.5928738	0.03245639	0.40385898	0.90650187
Flt3l	0.04180147	0.08232394	0.04989391	0.03243003	0.00192894	0.04141506

Tbc1d20	0.32741978	0.36444206	0.33204693	0.03239513	0.33224525	0.90650187
Nrsn1	0.05211397	0.09414461	0.06178133	0.03236328	0.00993567	0.16651835
RbmX	0.53487609	0.52229148	0.48993334	0.03235814	0.38452625	0.90650187
Chpf	0.74942367	0.65635677	0.62408604	0.03227073	0.4090937	0.90650187
Atp1b3	0.47438156	0.47939911	0.44713786	0.03226126	0.37419875	0.90650187
C1s2	0.09827261	0.14532644	0.113073	0.03225344	0.1023839	0.90650187
Snpc5	0.46782404	0.47459084	0.44234983	0.03224101	0.37296089	0.90650187
Tmod3	0.46409538	0.47183876	0.43961308	0.03222568	0.3722562	0.90650187
Bend5	0.16234842	0.21217057	0.18000507	0.0321655	0.21348271	0.90650187
Gm10110	0.09772395	0.14464487	0.11248107	0.0321638	0.10182614	0.90650187
Eif3j2	0.36252475	0.3932443	0.36109794	0.03214636	0.34613906	0.90650187
Pitpna	0.46586858	0.47306025	0.44091576	0.03214449	0.37293036	0.90650187
Kcnk1	0.29224099	0.33399	0.3018587	0.03213131	0.31803099	0.90650187
Rap1gap2	0.42368215	0.44142929	0.40931289	0.03211641	0.36361188	0.90650187
Ifi204	0.02863306	0.0665364	0.03447656	0.03205984	1.78E-05	0.00061308
Mndal	0.05153457	0.09317291	0.06111772	0.0320552	0.0098597	0.16543711
Mar-05	0.86405195	0.71832095	0.68627269	0.03204826	0.41776853	0.90650187
2310030G06	0.2502946	0.29639547	0.26436988	0.03202559	0.29510292	0.90650187
Mis18bp1	0.09708467	0.14381023	0.11179085	0.03201938	0.10145219	0.90650187
Dera	0.36553427	0.39546802	0.36354064	0.03192738	0.3481099	0.90650187
Rpa1	0.27930508	0.32236924	0.2904748	0.03189445	0.31272803	0.90650187
Gjc1	0.2411726	0.28788439	0.2559919	0.03189249	0.2898403	0.90650187
Fam133b	0.75287024	0.65792921	0.62604357	0.03188564	0.41043602	0.90650187
Camk4	0.07947923	0.12444415	0.09255859	0.03188556	0.06282674	0.69205016
Lcp1	0.03884379	0.07832691	0.04645454	0.03187237	0.00114374	0.0265031
Egflam	0.19581489	0.24490066	0.21307814	0.03182253	0.25336536	0.90650187
Adgre1	0.02162364	0.05793595	0.02615901	0.03177694	3.33E-08	1.77E-06
Selplg	0.02423741	0.06102744	0.0292697	0.03175774	7.05E-07	3.09E-05
Gnaz	0.41652873	0.43552724	0.4038237	0.03170355	0.36353813	0.90650187
Lyar	0.58402185	0.55465774	0.52296771	0.03169003	0.39381543	0.90650187

Endod1	0.12869192	0.17713688	0.14545935	0.03167753	0.16648587	0.90650187
Msi2	0.5666751	0.5431009	0.51147819	0.03162271	0.39171397	0.90650187
Mphosph10	0.37091328	0.39947057	0.36788832	0.03158225	0.35136284	0.90650187
Ctxn2	0.10254313	0.14926031	0.11768054	0.03157977	0.11643745	0.90650187
C8b	0.02820098	0.06553733	0.03396609	0.03157125	1.80E-05	0.00061656
Zfp36	0.24567021	0.29166164	0.26013324	0.0315284	0.29500835	0.90650187
Ier3	0.12408364	0.17214376	0.14062495	0.03151881	0.15952526	0.90650187
Slc16a12	0.31577834	0.35366874	0.32217914	0.0314896	0.3319587	0.90650187
Ssu2	0.03505118	0.07351173	0.0420245	0.03148724	0.00043281	0.01138264
Josd2	0.8222874	0.69569964	0.66429773	0.0314019	0.41677628	0.90650187
Prdx5	1.92655005	0.95860554	0.92720861	0.03139693	0.44017082	0.90650187
Reck	0.19277713	0.24149553	0.21012659	0.03136894	0.25345193	0.90650187
Rorc	0.30965727	0.34825415	0.31694229	0.03131186	0.33025928	0.90650187
Cxx1a	0.82240826	0.69565213	0.66436242	0.03128971	0.41707726	0.90650187
Hs3st6	0.0644347	0.10705525	0.07577414	0.03128111	0.03323532	0.43033228
Acot13	0.54539134	0.52840456	0.49712828	0.03127628	0.3898575	0.90650187
Slc16a2	0.15805384	0.20691434	0.17567035	0.03124399	0.21456626	0.90650187
Alg2	0.67283926	0.61031538	0.57907576	0.03123963	0.40523147	0.90650187
Mettl1	0.60532118	0.56804543	0.53683085	0.03121458	0.39801272	0.90650187
Gtf2f2	0.37660407	0.40365488	0.37246091	0.03119397	0.35482584	0.90650187
Igsf6	0.0216253	0.0573471	0.026161	0.0311861	5.80E-08	3.00E-06
Elmo1	0.09066755	0.13601425	0.10483102	0.03118323	0.09301776	0.90318385
1700056E22I	0.17073415	0.21958508	0.1884093	0.03117578	0.2309849	0.90650187
Myo6	0.50508707	0.50030915	0.46916493	0.03114422	0.38395519	0.90650187
Gm11627	0.12527486	0.17300983	0.14187714	0.03113269	0.16465174	0.90650187
Upf3b	0.58563275	0.55514617	0.52402566	0.03112052	0.39588496	0.90650187
Mad2l1	0.15024827	0.19885453	0.16773793	0.0311166	0.20477319	0.90650187
Pnrc1	0.86872216	0.71976226	0.68867901	0.03108326	0.42048586	0.90650187
Tnfaip6	0.0661768	0.10880053	0.07773456	0.03106598	0.03781292	0.47621722
Cdh2	0.25885886	0.30319747	0.27216032	0.03103715	0.3060856	0.90650187

Abca1	0.2351497	0.28145049	0.25041483	0.03103566	0.29082538	0.90650187
Pcsk5	0.06716261	0.10986892	0.07884192	0.031027	0.04010245	0.49826502
Fat4	0.22862027	0.27535078	0.2443279	0.03102289	0.28621747	0.90650187
Chchd10	0.48107008	0.48300568	0.45199071	0.03101497	0.38016354	0.90650187
Tmem141	0.19845714	0.24664621	0.2156374	0.03100881	0.26131998	0.90650187
Pnpo	0.12295179	0.17037349	0.13943349	0.03094	0.16195109	0.90650187
Rhbdd2	0.30953008	0.34774004	0.31683312	0.03090692	0.33226522	0.90650187
Fam101b	0.30218154	0.34133614	0.31050164	0.0308345	0.32943536	0.90650187
Ccdc8	0.64722087	0.59417285	0.56334276	0.03083009	0.40388845	0.90650187
Uba7	0.1371222	0.18503719	0.15423733	0.03079986	0.18733788	0.90650187
Cmpk1	1.16118526	0.84095978	0.81016003	0.03079976	0.43289514	0.90650187
Cdkn2d	0.45171814	0.46118936	0.43045904	0.03073033	0.37548131	0.90650187
Kctd10	0.50208369	0.49769446	0.4670387	0.03065576	0.38521851	0.90650187
Def8	0.22298564	0.26969625	0.23904059	0.03065566	0.28429649	0.90650187
Gm16174	0.03832938	0.07647001	0.04585498	0.03061503	0.00149821	0.03324718
Dcp2	0.24604424	0.2910911	0.26047674	0.03061436	0.30066073	0.90650187
Sh3glb1	0.98025008	0.77300892	0.74243509	0.03057383	0.4273707	0.90650187
Cdkn3	0.07332136	0.11628308	0.08572813	0.03055496	0.0565412	0.64620111
Ciao1	0.30580843	0.34414352	0.31363254	0.03051098	0.33269631	0.90650187
Isg20	0.19734255	0.24501907	0.21455872	0.03046035	0.26397735	0.90650187
Fbxo5	0.12303657	0.16997844	0.13952279	0.03045564	0.165922	0.90650187
Ddx6	0.76582203	0.66380284	0.63335048	0.03045235	0.4153707	0.90650187
Lrrk1	0.13573285	0.18320424	0.15279649	0.03040775	0.18815597	0.90650187
Tbx3os1	0.05040577	0.09021227	0.05982339	0.03038888	0.0119646	0.19389539
Vwa5a	0.25899096	0.30259372	0.27227994	0.03031378	0.31032006	0.90650187
Runx1	0.07286488	0.11550553	0.08521962	0.03028591	0.05706384	0.64823856
Ttyh3	0.35966885	0.38902681	0.35877313	0.03025368	0.35387579	0.90650187
Pqbp1	0.60756146	0.56852724	0.53827364	0.03025359	0.401346	0.90650187
Asph	0.56095091	0.53787031	0.5076458	0.03022451	0.39562605	0.90650187
Ilk	0.95613406	0.76191774	0.73174489	0.03017285	0.42727716	0.90650187

Cxcl10	0.02187957	0.05663246	0.02646408	0.03016838	2.01E-07	9.38E-06
Otub1	0.67843953	0.61258751	0.58246824	0.03011927	0.4090921	0.90650187
Grina	0.59402191	0.55962148	0.52951039	0.03011109	0.40021004	0.90650187
Mrc2	0.12748923	0.1743009	0.14420013	0.03010077	0.1767066	0.90650187
Figf	0.09343043	0.13792144	0.10783457	0.03008688	0.1074199	0.90650187
Pla1a	0.03809295	0.07565367	0.04557927	0.0300744	0.00167675	0.03672663
Slc1a3	0.1582067	0.20586045	0.17582499	0.03003545	0.22379935	0.90650187
Slc25a24	0.21625666	0.26268846	0.23268231	0.03000616	0.28322254	0.90650187
Mcts1	0.79993712	0.68222507	0.65222076	0.0300043	0.4189765	0.90650187
Prickle1	0.13975048	0.18693015	0.15695678	0.02997337	0.19795218	0.90650187
Ccne2	0.13534147	0.18235942	0.1523902	0.02996922	0.19098352	0.90650187
Disp2	0.26796565	0.31030248	0.28036724	0.02993524	0.31751315	0.90650187
Cd7	0.01578497	0.04909563	0.01917078	0.02992484	1.97E-12	1.62E-10
Gls	0.3630305	0.39142845	0.36150894	0.02991951	0.35646231	0.90650187
Mesdc1	0.40633216	0.42583941	0.39593141	0.02990799	0.3685057	0.90650187
Thsd7a	0.05939956	0.09996858	0.07008291	0.02988568	0.02899629	0.38800405
Utp14a	0.22548441	0.27127261	0.2413893	0.0298833	0.29103854	0.90650187
Tlr2	0.05803973	0.09841318	0.06853946	0.02987372	0.02633178	0.36027851
Dock11	0.19473797	0.24190044	0.21203291	0.02986752	0.26558532	0.90650187
Erp27	0.02426552	0.05916462	0.02930309	0.02986153	2.94E-06	0.00011596
Mar-02	0.63957437	0.58843634	0.55857816	0.02985818	0.4060821	0.90650187
Eml4	0.4608359	0.4670516	0.43721281	0.02983879	0.38079153	0.90650187
Trafd1	0.40335848	0.42344929	0.39361496	0.02983433	0.36807432	0.90650187
Rsad2	0.02954981	0.06539174	0.03555864	0.0298331	9.58E-05	0.00284484
Samsn1	0.02690082	0.06218786	0.03242829	0.02975957	2.25E-05	0.00074817
Gsta4	0.1198696	0.16593396	0.1361811	0.02975286	0.16570526	0.90650187
Copz1	1.10295207	0.82004566	0.79029291	0.02975275	0.43354062	0.90650187
Col13a1	0.106542	0.15169367	0.12198348	0.02971019	0.13945575	0.90650187
Rpl32	5.07863481	0.5772038	0.5474979	0.0297059	0.40469705	0.90650187
Prmt5	0.36435955	0.39226369	0.36258804	0.02967566	0.35798643	0.90650187

Arap3	0.05006349	0.08910352	0.05943055	0.02967298	0.01322164	0.21023232
Slc35b2	0.5473259	0.52811159	0.49844401	0.02966759	0.39565716	0.90650187
Vsir	0.03464909	0.07120884	0.04155351	0.02965534	0.0007552	0.01869664
Pacsin2	0.30222423	0.34014348	0.31053856	0.02960492	0.33584931	0.90650187
Fam122a	0.59529889	0.55992637	0.53034137	0.029585	0.40206822	0.90650187
Antxr2	0.20638754	0.25283317	0.2232725	0.02956067	0.27806944	0.90650187
Gm648	0.03598891	0.07264723	0.04312191	0.02952532	0.00116774	0.02696394
Clcc1	0.40573291	0.42497245	0.39546515	0.0295073	0.37005594	0.90650187
Homer3	0.18188097	0.22896215	0.19945806	0.02950409	0.25539769	0.90650187
Sncb	0.02589724	0.06068353	0.03123944	0.02944409	1.39E-05	0.00048828
Hmx2	0.01741542	0.05056817	0.02112777	0.0294404	2.92E-10	1.95E-08
Cxadr	0.26900164	0.31072686	0.28129589	0.02943097	0.32091998	0.90650187
Arhgap20	0.10524912	0.1500227	0.12059448	0.02942821	0.13899528	0.90650187
Alkbh8	0.16191139	0.2089842	0.17956491	0.02941928	0.23319893	0.90650187
B4galt3	0.56486428	0.53966356	0.51026796	0.0293956	0.39893557	0.90650187
Lipt2	0.15203171	0.19894484	0.16955652	0.02938832	0.22049188	0.90650187
Gm21092	0.72992975	0.64228833	0.61290617	0.02938216	0.41561733	0.90650187
Traf5	0.11731429	0.16283381	0.13347592	0.02935789	0.16408503	0.90650187
Tmem171	0.04047618	0.07771208	0.04835444	0.02935764	0.00347658	0.06926271
Crmp1	0.07016223	0.11145871	0.08220273	0.02925598	0.0568028	0.64678604
Il18	0.05052878	0.08919615	0.05996453	0.02923162	0.01511163	0.23203229
Rimbp2	0.45820924	0.46449143	0.43527315	0.02921828	0.38269239	0.90650187
Chchd7	0.73962004	0.64770522	0.61848731	0.02921791	0.41682817	0.90650187
Wfdc10	0.05474072	0.09396807	0.06478353	0.02918453	0.02260394	0.31785621
Cmtm8	0.1773405	0.22415813	0.19497432	0.02918381	0.25289108	0.90650187
Psmc1	1.07299263	0.80859589	0.77941438	0.02918151	0.43390345	0.90650187
Sp3os	0.36385937	0.39135307	0.36218209	0.02917098	0.36014944	0.90650187
Tnc	0.05669797	0.09617566	0.06701383	0.02916184	0.02652236	0.3622339
Nudt11	0.13123905	0.17720333	0.14812047	0.02908287	0.19136501	0.90650187
Man1b1	0.39113042	0.41307135	0.38401701	0.02905434	0.36830345	0.90650187

Cd38	0.0498679	0.08825159	0.05920598	0.0290456	0.01459354	0.22659495
Safb	0.86057747	0.71349904	0.68447283	0.02902621	0.42523321	0.90650187
Tgs1	0.35388575	0.38306495	0.35404512	0.02901983	0.35778314	0.90650187
Dnase1l1	0.08758438	0.13045846	0.1014667	0.02899175	0.10200158	0.90650187
Vegfc	0.07144413	0.11259318	0.08363499	0.02895819	0.06186938	0.6854785
Rnf114	0.39648974	0.4171612	0.38823856	0.02892265	0.37025246	0.90650187
Cox4i2	0.0627489	0.10279011	0.07387284	0.02891728	0.04091038	0.50559243
Arhgef1	0.59354408	0.55810197	0.5291992	0.02890277	0.40407962	0.90650187
Chst2	0.07632978	0.11797353	0.08907194	0.02890159	0.07458259	0.77834237
Ptms	0.96857391	0.76628823	0.73739361	0.02889461	0.43085408	0.90650187
Rabif	0.30716452	0.34368163	0.31480018	0.02888145	0.34168689	0.90650187
Alkbh5	0.49554328	0.4912471	0.46238792	0.02885918	0.39071146	0.90650187
1810055G02	0.17973266	0.22611921	0.19733941	0.0287798	0.25838153	0.90650187
Sh3pxd2b	0.1875236	0.23377666	0.20499884	0.02877782	0.2662888	0.90650187
Utp11l	0.8195972	0.69162885	0.6628562	0.02877265	0.42349092	0.90650187
Rara	0.24978377	0.29264929	0.26390297	0.02874632	0.31410449	0.90650187
Hcls1	0.03279601	0.06811733	0.03937968	0.02873765	0.00058887	0.01496881
Arl4c	0.17504505	0.22142488	0.19269892	0.02872595	0.25375686	0.90650187
Mprip	0.51842367	0.50723952	0.47853569	0.02870383	0.39486581	0.90650187
Gpr17	0.02910328	0.06372524	0.03503174	0.0286935	0.00013565	0.00390529
Haus4	0.13097562	0.17653851	0.14784561	0.0286929	0.19413085	0.90650187
Clec1b	0.02239985	0.05577182	0.02708393	0.02868789	1.25E-06	5.27E-05
Msr1	0.02037107	0.05335172	0.02466444	0.02868728	1.17E-07	5.63E-06
Cybb	0.01768247	0.05010151	0.02144789	0.02865362	1.43E-09	8.71E-08
Chd1l	0.10268912	0.14646323	0.11783797	0.02862526	0.14008689	0.90650187
Tars2	0.15550808	0.20170804	0.17309089	0.02861715	0.23117192	0.90650187
Zc3hc1	0.24119383	0.28462198	0.25601149	0.02861049	0.30965891	0.90650187
Naga	0.34974847	0.37923878	0.3506458	0.02859298	0.35848493	0.90650187
Ggh	0.46985143	0.47239946	0.44383366	0.0285658	0.38739085	0.90650187
Pmf1	0.32912969	0.36203185	0.33348622	0.02854563	0.35177478	0.90650187

Nrxn2	0.10319726	0.14692961	0.11838577	0.02854383	0.1418883	0.90650187
Ncaph2	0.56257758	0.53726591	0.50873687	0.02852904	0.40156376	0.90650187
Rbm46	0.0802943	0.12198438	0.09345863	0.02852575	0.08740607	0.87068126
1700023F06I	0.30467473	0.34117512	0.31265513	0.02851998	0.34254684	0.90650187
Tspan32	0.02631135	0.06021985	0.03173019	0.02848966	3.28E-05	0.00105687
Eps8	0.44962197	0.45737521	0.42889807	0.02847714	0.38393172	0.90650187
Ssna1	0.88997254	0.7279683	0.69951625	0.02845205	0.42825439	0.90650187
Trim2	0.13109035	0.1764	0.14796533	0.02843468	0.19646452	0.90650187
Plaur	0.04214793	0.07867919	0.05029592	0.02838327	0.00605764	0.10975223
Rcan2	0.16848295	0.21453123	0.18616086	0.02837037	0.24904518	0.90650187
Ece2	0.23691189	0.28041839	0.2520503	0.02836809	0.30841433	0.90650187
Tcn2	0.37927407	0.40294395	0.3745974	0.02834655	0.36828158	0.90650187
Prkcd	0.20646932	0.25169717	0.22335089	0.02834628	0.28630623	0.90650187
Gbp9	0.01889815	0.05124347	0.02290373	0.02833974	1.89E-08	1.03E-06
Cenpc1	0.25327226	0.29540286	0.26708653	0.02831633	0.31870609	0.90650187
Abi3	0.06889473	0.10907373	0.08078421	0.02828952	0.05976013	0.66746046
Al464131	0.09530996	0.13816051	0.10987176	0.02828875	0.12618471	0.90650187
Srpk2	0.74044314	0.64721905	0.61895933	0.02825972	0.41957834	0.90650187
Myzap	0.04369614	0.08030248	0.05209008	0.02821241	0.008025	0.13957447
Arf6	0.40135137	0.42021842	0.39204766	0.02817076	0.37469603	0.90650187
Upf1	0.29235921	0.33008315	0.30196203	0.02812112	0.33943323	0.90650187
Rab5a	0.84156031	0.70265393	0.67453428	0.02811965	0.42648659	0.90650187
2810004N23	0.75470357	0.65513536	0.6270826	0.02805277	0.42117995	0.90650187
Atpif1	3.21746345	0.83836014	0.81032734	0.0280328	0.43888641	0.90650187
Ttc4	0.49049794	0.48680731	0.45877975	0.02802756	0.39296906	0.90650187
Dfna5	0.23117733	0.27473065	0.24671676	0.02801389	0.30685517	0.90650187
Tst	0.15718529	0.20279746	0.17479113	0.02800633	0.23813706	0.90650187
Evi5	0.5556144	0.53205709	0.50405518	0.02800191	0.40246652	0.90650187
Dynlt1f	0.92284135	0.74383011	0.71583279	0.02799732	0.43098204	0.90650187
Nfkbiz	0.13005566	0.17487949	0.14688508	0.02799441	0.1984208	0.90650187

Fam174a	0.67430441	0.60788371	0.57996486	0.02791885	0.415271	0.90650187
Mier1	0.66525737	0.60235898	0.57445674	0.02790224	0.41452119	0.90650187
Has2	0.06004095	0.09866398	0.07080996	0.02785402	0.0401682	0.49844643
Palld	0.11727337	0.16128422	0.13343253	0.02785169	0.1767188	0.90650187
Dio3	0.09597464	0.1384254	0.11059102	0.02783438	0.13159065	0.90650187
Nkiras2	0.71077174	0.62956291	0.60173789	0.02782502	0.41856353	0.90650187
Myo10	0.22024266	0.264267	0.2364543	0.0278127	0.30051846	0.90650187
0610009B22	0.80449657	0.68251256	0.65470267	0.02780989	0.42511046	0.90650187
Ppa2	0.57394722	0.54409453	0.51631672	0.02777781	0.40548558	0.90650187
Scn7a	0.0597693	0.09827117	0.0705021	0.02776906	0.03997156	0.49722398
Wdr1	0.73640243	0.64440209	0.61663907	0.02776302	0.42067963	0.90650187
Slc44a3	0.42825359	0.44050079	0.41280023	0.02770056	0.38273018	0.90650187
Nosip	0.26055936	0.30138573	0.27369878	0.02768695	0.32645953	0.90650187
Nupl2	0.09160652	0.13353056	0.10585298	0.02767758	0.12253626	0.90650187
Socs2	0.40542114	0.42289888	0.39522246	0.02767643	0.37778076	0.90650187
4833439L19F	0.6447518	0.58941746	0.5618079	0.02760957	0.41352932	0.90650187
2810474O19	0.40737073	0.42434699	0.39673886	0.02760813	0.3785241	0.90650187
Hpgds	0.06630734	0.10548498	0.07788127	0.02760371	0.05755091	0.65057885
Ehf	0.09905399	0.14150271	0.1139153	0.02758741	0.14082643	0.90650187
B3gnt8	0.17596217	0.22116756	0.19360873	0.02755883	0.26343194	0.90650187
Hk1	0.13064312	0.17500048	0.14749856	0.02750191	0.20357834	0.90650187
Abi1	0.35782739	0.38472899	0.35727059	0.02745839	0.36629903	0.90650187
1810034E14I	0.03300117	0.0670737	0.03962061	0.02745309	0.00103376	0.02451512
Tgfb3	0.11046267	0.15360039	0.12618287	0.02741751	0.16703238	0.90650187
Nkd2	0.05002621	0.08680066	0.05938775	0.02741291	0.02008209	0.28925871
1810058I24R	1.46760204	0.91504188	0.88768117	0.02736072	0.44550531	0.90650187
Faim	0.40634459	0.42325524	0.39594108	0.02731417	0.37954269	0.90650187
Slc2a5	0.27780899	0.31643717	0.28914827	0.0272889	0.33740264	0.90650187
Klhl32	0.29480925	0.33136466	0.30410068	0.02726397	0.34510566	0.90650187
Nsl1	0.05325952	0.09030083	0.06309188	0.02720895	0.02760576	0.37300897

Myo18a	0.31348246	0.34738749	0.32021875	0.02716873	0.35301831	0.90650187
Prkd1	0.02532651	0.05768501	0.03056264	0.02712236	3.99E-05	0.00126788
Crybb1	0.07388194	0.1134458	0.08635219	0.02709361	0.08153197	0.82790075
Wee1	0.07305411	0.11251662	0.08543045	0.02708617	0.07934328	0.81530674
Hoxc4	0.1472974	0.19179676	0.16472049	0.02707626	0.23246424	0.90650187
Enox1	0.04854462	0.08475918	0.05768514	0.02707404	0.0184663	0.27348002
Mafg	0.42638429	0.43844373	0.41137608	0.02706765	0.3849479	0.90650187
Zfp395	0.38930271	0.40961629	0.38257208	0.02704421	0.37666099	0.90650187
Hexb	0.29560171	0.33179573	0.30479126	0.02700446	0.34683478	0.90650187
lqsec1	0.13153761	0.17542911	0.14843188	0.02699723	0.20937838	0.90650187
Timd4	0.01349697	0.04338794	0.0164173	0.02697064	1.40E-13	1.34E-11
Ggcx	0.24846969	0.28965547	0.26270068	0.02695479	0.3241418	0.90650187
Mettl23	0.39371918	0.41300628	0.38605916	0.02694712	0.3781643	0.90650187
BC002059	0.0934753	0.13482706	0.10788326	0.0269438	0.13343738	0.90650187
Fgb	0.01323703	0.04304402	0.01610394	0.02694007	5.15E-14	5.05E-12
Sugt1	0.7920607	0.67483434	0.64791186	0.02692248	0.42672162	0.90650187
Klk1	0.02087337	0.05210046	0.02526408	0.02683638	1.17E-06	4.97E-05
Rpa3	0.68276148	0.61190317	0.58507536	0.02682781	0.41923652	0.90650187
Cir1	0.56078948	0.53435416	0.50753743	0.02681672	0.4071462	0.90650187
Lat2	0.02234587	0.05383085	0.02701964	0.02681121	5.14E-06	0.00019282
Nsa2	1.39904783	0.90090373	0.87414822	0.02675551	0.44588337	0.90650187
Fam83d	0.0564769	0.09350717	0.0667622	0.02674497	0.03746341	0.47417256
Exoc3	0.53139738	0.51426976	0.48753767	0.02673209	0.40370981	0.90650187
Rhoq	0.13014631	0.17368024	0.14697977	0.02670047	0.20966254	0.90650187
Nde1	0.17856605	0.22287672	0.19618679	0.02668993	0.2726574	0.90650187
Slc4a3	0.14227745	0.18623888	0.15956375	0.02667513	0.22868153	0.90650187
Pop4	0.30378005	0.33855363	0.31188299	0.02667063	0.35191131	0.90650187
Rtn4	0.64854929	0.59081263	0.5641672	0.02664543	0.41684769	0.90650187
Mapre2	0.43490978	0.4444907	0.41785058	0.02664012	0.38842353	0.90650187
Elf4	0.12121848	0.16423742	0.13760589	0.02663153	0.19478993	0.90650187

Naalad2	0.11001289	0.1523276	0.12570209	0.02662551	0.17318767	0.90650187
Spry4	0.10880448	0.15102753	0.12440913	0.02661839	0.17075769	0.90650187
Fndc1	0.13559843	0.17921431	0.15265697	0.02655734	0.2196456	0.90650187
Cdon	0.2358092	0.27757436	0.25102727	0.02654709	0.31912755	0.90650187
Ankrd37	0.27250058	0.31095697	0.28442469	0.02653228	0.33917926	0.90650187
Plk4	0.15119801	0.19522514	0.16870684	0.0265183	0.24234298	0.90650187
Magt1	0.79096689	0.67380005	0.64731132	0.02648874	0.42782299	0.90650187
Notch4	0.05396239	0.0903738	0.06389503	0.02647877	0.03271521	0.42504607
Tgoln1	0.5163973	0.50357233	0.47711929	0.02645305	0.40265578	0.90650187
Arsj	0.08498211	0.12503478	0.09861676	0.02641802	0.11684363	0.90650187
Sigmar1	0.64610937	0.58906808	0.56265221	0.02641587	0.41733496	0.90650187
Clcn3	0.54435311	0.52281684	0.49642121	0.02639563	0.40656849	0.90650187
Esco1	0.23602505	0.27760475	0.25122762	0.02637714	0.32033672	0.90650187
Abcc3	0.10054513	0.1418712	0.11552307	0.02634813	0.1553058	0.90650187
Fxyd2	0.11888656	0.16148795	0.13514135	0.0263466	0.19305402	0.90650187
Hspb2	0.04824108	0.08365312	0.05733591	0.02631721	0.0206485	0.29555349
Tmem204	0.10259778	0.14405647	0.11773947	0.02631699	0.1601901	0.90650187
Glt8d2	0.07657266	0.11564253	0.08934133	0.0263012	0.09531086	0.90650187
Vps26a	0.29793683	0.33311956	0.30682249	0.02629707	0.35159309	0.90650187
Aspm	0.06207761	0.09940009	0.07311457	0.02628551	0.05499417	0.63426882
Clstn1	0.22050238	0.26293903	0.23669952	0.02623951	0.31106946	0.90650187
Mgarp	0.01477642	0.04413092	0.0179581	0.02617283	4.61E-11	3.31E-09
Mrpl18	0.89908693	0.73023264	0.70409177	0.02614087	0.43445139	0.90650187
Renbp	0.12756315	0.17041162	0.14427757	0.02613404	0.21033341	0.90650187
Wdr86	0.12844815	0.17132448	0.14520426	0.02612022	0.2119416	0.90650187
S1pr1	0.05695992	0.09342164	0.06731188	0.02610976	0.04231631	0.52042905
Nrp2	0.13812717	0.1813344	0.15527812	0.02605628	0.22783665	0.90650187
Ranbp3	0.4986318	0.49062713	0.46458763	0.0260395	0.4016146	0.90650187
Gypc	0.13395713	0.17696563	0.15095163	0.026014	0.22180064	0.90650187
Gng13	0.08080106	0.12000195	0.09401773	0.02598422	0.10960007	0.90650187

Cd164l2	0.37432986	0.39659965	0.37063666	0.025963	0.37774315	0.90650187
Dqx1	0.01712686	0.04671786	0.02078173	0.02593613	1.44E-08	7.92E-07
Dtx2	0.179008	0.22253167	0.19662361	0.02590806	0.27901366	0.90650187
Col11a1	0.08849697	0.1283424	0.10246391	0.02587849	0.13076308	0.90650187
Efs	0.20129656	0.24424733	0.21837871	0.02586862	0.2992302	0.90650187
Tmem173	0.09960434	0.14034581	0.11450804	0.02583776	0.15790314	0.90650187
Ube2j1	0.41535161	0.42874716	0.40291657	0.02583058	0.38782076	0.90650187
Ubtd2	0.12348418	0.16582122	0.13999411	0.02582711	0.20606326	0.90650187
Desi2	0.58487111	0.54933529	0.52352564	0.02580965	0.41325998	0.90650187
Sar1a	1.32851836	0.88371905	0.85791839	0.02580065	0.44682181	0.90650187
Mapre1	1.20484538	0.8496477	0.82388896	0.02575874	0.44472861	0.90650187
Slc45a3	0.0148454	0.04378974	0.01804109	0.02574865	1.11E-10	7.62E-09
Efna4	0.15155764	0.19481974	0.16907346	0.02574627	0.24921225	0.90650187
Pdgfrl	0.15796247	0.20130398	0.17557789	0.02572608	0.25740041	0.90650187
Ly6g6e	0.03584656	0.06866835	0.04295541	0.02571294	0.00389403	0.07598603
Usp54	0.04856114	0.08341454	0.05770414	0.0257104	0.02380886	0.33051919
Heyl	0.09083627	0.13063667	0.10501475	0.02562192	0.13903681	0.90650187
Maff	0.18970695	0.2327218	0.20713352	0.02558828	0.29143794	0.90650187
Ceacam1	0.04375029	0.07770734	0.05215277	0.02555457	0.01469102	0.22787574
Smad7	0.17444406	0.2176508	0.19210222	0.02554857	0.27717916	0.90650187
Otud1	0.03212211	0.06412987	0.0385878	0.02554207	0.00162714	0.03574293
Gm7808	0.04216162	0.07584753	0.05031179	0.02553574	0.01202385	0.19464811
Acsl1	0.05968352	0.09592486	0.07040487	0.02552	0.05354403	0.62226513
Crim1	0.08672791	0.12602942	0.10052978	0.02549964	0.12973605	0.90650187
Tsku	0.08521277	0.12436902	0.09886976	0.02549926	0.12578263	0.90650187
Fam185a	0.05669836	0.09251351	0.06701426	0.02549925	0.04536355	0.5490217
Trip13	0.08106582	0.11980507	0.0943097	0.02549537	0.11471846	0.90650187
Txnrd2	0.19483873	0.23760228	0.21213075	0.02547153	0.29673835	0.90650187
Amt	0.10878513	0.14984987	0.12438842	0.02546145	0.18141524	0.90650187
Ppp6c	0.66667525	0.60077635	0.57532305	0.02545331	0.4220384	0.90650187

Sqrdl	0.21609625	0.25797936	0.23253017	0.0254492	0.3132893	0.90650187
Cercam	0.1804166	0.22338202	0.19801445	0.02536757	0.28449988	0.90650187
Lrwd1	0.17798072	0.22097527	0.19560791	0.02536736	0.28212938	0.90650187
Mast4	0.62582447	0.57522125	0.54992768	0.02529356	0.41899204	0.90650187
Pbxip1	0.47335995	0.47168039	0.44639394	0.02528644	0.4005878	0.90650187
Pip5k1a	0.50178966	0.49209923	0.46683023	0.025269	0.40491873	0.90650187
Itgb1bp1	0.39155781	0.40960585	0.38435451	0.02525134	0.38511744	0.90650187
Gm5786	0.08376838	0.12252135	0.09728425	0.0252371	0.12440148	0.90650187
Msl3	0.27428981	0.31123837	0.28601973	0.02521864	0.34753891	0.90650187
Slc39a13	0.20222289	0.24445076	0.21927119	0.02517957	0.30484979	0.90650187
Galnt12	0.28815053	0.32344787	0.29827555	0.02517232	0.35376429	0.90650187
Pcdh11x	0.07673814	0.11468396	0.08952483	0.02515913	0.10576905	0.90650187
Rcc1	0.14678399	0.18934343	0.16419444	0.02514899	0.24796255	0.90650187
Sgol2a	0.07743816	0.11544918	0.09030062	0.02514856	0.10784068	0.90650187
Lsm3	0.81781354	0.68704359	0.66189874	0.02514485	0.43294393	0.90650187
Tm6sf1	0.07333121	0.11087321	0.08573909	0.02513412	0.09625087	0.90650187
Ubash3b	0.11181386	0.15275697	0.1276257	0.02513127	0.19067775	0.90650187
Eif4b	1.07221331	0.80421604	0.77912501	0.02509103	0.44307923	0.90650187
Shcbp1	0.12213409	0.1636258	0.13857177	0.02505403	0.21076379	0.90650187
Ccdc85a	0.03161158	0.06303721	0.03798742	0.02504979	0.00168645	0.03683298
Ccdc14	0.02828088	0.05910175	0.03406051	0.02504124	0.00054078	0.01390299
Atg16l2	0.11961149	0.16090146	0.13590822	0.02499324	0.20681059	0.90650187
Trim30d	0.0203182	0.04959434	0.0246013	0.02499304	3.15E-06	0.00012322
Nsrp1	0.66147321	0.59711311	0.57213916	0.02497395	0.42306786	0.90650187
P4hb	1.55678815	0.92743559	0.90246966	0.02496594	0.45106015	0.90650187
Suclg1	1.21429082	0.85165192	0.82669123	0.02496069	0.44661101	0.90650187
O610007P14I	0.71201094	0.62741292	0.60246595	0.02494697	0.42697374	0.90650187
Smap2	0.35432771	0.3793372	0.35440741	0.02492979	0.37724914	0.90650187
Mtss1	0.42628401	0.43622594	0.41129961	0.02492632	0.39380299	0.90650187
Nedd9	0.07229112	0.10948725	0.08458003	0.02490722	0.09524227	0.90650187

Mcm4	0.27132467	0.30828044	0.28337454	0.0249059	0.34799987	0.90650187
Htra2	0.38825608	0.40664643	0.38174349	0.02490294	0.38590505	0.90650187
Zfp623	0.10797148	0.14839695	0.1235168	0.02488015	0.18526414	0.90650187
Cdc16	0.81386654	0.68463829	0.6597749	0.02486339	0.43347607	0.90650187
Dtd1	0.44353257	0.44920287	0.42434538	0.02485749	0.39727119	0.90650187
Adat2	0.10337018	0.14342694	0.11857212	0.02485482	0.17569982	0.90650187
Tspan5	0.44984286	0.45389354	0.42906271	0.02483084	0.39848233	0.90650187
Zmat1	0.07392985	0.11121176	0.0864055	0.02480625	0.10092578	0.90650187
Pex1	0.09144816	0.13046209	0.10568071	0.02478138	0.14859844	0.90650187
4930452B06	0.036022	0.06792593	0.04316061	0.02476533	0.0053728	0.09987259
Arfip1	0.38738231	0.40579896	0.38105109	0.02474787	0.38639559	0.90650187
Llgl2	0.34710041	0.37320649	0.34846265	0.02474383	0.37612417	0.90650187
Anln	0.08532983	0.12373905	0.09899813	0.02474092	0.13328096	0.90650187
Slc7a10	0.07413266	0.11130653	0.08663115	0.02467538	0.10271113	0.90650187
Ncf4	0.02050312	0.04949737	0.02482212	0.02467525	4.95E-06	0.00018675
Ccl19	0.01728392	0.04562601	0.02097009	0.02465592	8.61E-08	4.24E-06
Uaca	0.29499177	0.32891164	0.30425979	0.02465185	0.35935119	0.90650187
Rufy3	0.45871802	0.46029341	0.43564924	0.02464418	0.40072041	0.90650187
Tns1	0.28790957	0.32269954	0.29806399	0.02463555	0.35664626	0.90650187
Mybl2	0.05902854	0.09424781	0.06966207	0.02458575	0.05832602	0.65722983
Habp2	0.09889746	0.13833017	0.11374663	0.02458354	0.16832419	0.90650187
Melk	0.06905819	0.10553533	0.08096728	0.02456805	0.08867836	0.87809516
Rap2a	0.18062335	0.22277924	0.19821841	0.02456082	0.29086973	0.90650187
Scin	0.0863461	0.12467187	0.10011176	0.02456011	0.13771853	0.90650187
Gale	0.26150596	0.29911143	0.27455399	0.02455744	0.34544905	0.90650187
Sde2	0.5450976	0.52145988	0.4969283	0.02453158	0.41314441	0.90650187
Rit1	0.39062151	0.40813228	0.38361494	0.02451734	0.38815744	0.90650187
Bag5	0.40548411	0.41977644	0.39527147	0.02450497	0.3914251	0.90650187
Rbm28	0.41459487	0.42682483	0.40233286	0.02449198	0.39333939	0.90650187
Olfm1	0.28741114	0.32206966	0.29762623	0.02444342	0.35751524	0.90650187

AW551984	0.20639117	0.24765712	0.22327598	0.02438114	0.31367917	0.90650187
P2ry1	0.11629218	0.15674738	0.13239163	0.02435576	0.20672227	0.90650187
Supt6	0.38483567	0.4033848	0.37902967	0.02435513	0.38756957	0.90650187
Stat5a	0.06230028	0.09771086	0.07336616	0.02434469	0.07008458	0.74657023
Mab21l2	0.04942845	0.08304368	0.05870122	0.02434246	0.03262641	0.42461821
Epm2a	0.03685936	0.06846669	0.04413936	0.02432732	0.0071391	0.12611093
Layn	0.06007097	0.09515304	0.07084397	0.02430907	0.06357409	0.698442
Tfdp2	0.23962549	0.27883267	0.25456274	0.02426994	0.33584022	0.90650187
Rasgrp3	0.06915761	0.1053469	0.0810786	0.0242683	0.09165201	0.89768186
Pcdh18	0.20526396	0.24645509	0.22219478	0.02426031	0.31369883	0.90650187
Vsnl1	0.03516295	0.0663936	0.04215536	0.02423824	0.00529251	0.09871345
Sike1	0.32123811	0.3510487	0.32682263	0.02422607	0.37087559	0.90650187
Rwdd4a	0.56389527	0.53382306	0.50961953	0.02420353	0.4163903	0.90650187
Cela3a	0.01462874	0.04194688	0.01778039	0.02416649	7.60E-10	4.77E-08
Gdpd3	0.06248589	0.09769776	0.07357583	0.02412194	0.07248947	0.76681446
Rnf26	0.33916518	0.36599997	0.34188335	0.02411662	0.37691425	0.90650187
Fam149b	0.14864525	0.19020608	0.16610009	0.02410599	0.2594028	0.90650187
Gm8797	3.11563479	0.84667166	0.82257947	0.02409219	0.44820191	0.90650187
Qars	0.54079791	0.51804785	0.4939941	0.02405375	0.41431181	0.90650187
Arhgef40	0.29495709	0.3282663	0.30422956	0.02403674	0.36270378	0.90650187
Gm5771	0.02086697	0.04928788	0.02525645	0.02403143	1.17E-05	0.00041406
Mrpl48	0.75292226	0.65009519	0.62607308	0.02402211	0.4322787	0.90650187
Lrrfip2	0.35765717	0.38115168	0.35713156	0.02402011	0.38246829	0.90650187
Spin2c	0.06282206	0.09796887	0.07395543	0.02401344	0.07444054	0.77834237
Adamts15	0.09529752	0.13385216	0.10985829	0.02399387	0.16578573	0.90650187
Riok1	0.28743478	0.32162293	0.297647	0.02397593	0.36013403	0.90650187
Tpmt	0.11398864	0.15390629	0.12994324	0.02396305	0.20615884	0.90650187
Gpatch11	0.41479655	0.42644015	0.40248847	0.02395168	0.39567671	0.90650187
Crem	0.24899751	0.28713385	0.2631838	0.02395006	0.34290204	0.90650187
Derl2	0.74737172	0.64683836	0.62291797	0.02392039	0.43222445	0.90650187

Dhrs11	0.0661409	0.10158622	0.07769419	0.02389203	0.08579934	0.85918035
Lars	0.56070121	0.53136306	0.50747818	0.02388488	0.41713194	0.90650187
Tnfrsf11b	0.05153465	0.08499692	0.06111178	0.02387912	0.04120002	0.50834544
Klk14	0.01855065	0.04636245	0.02248782	0.02387463	1.18E-06	5.01E-05
Tmem181a	0.3920991	0.40864089	0.38478176	0.02385913	0.39140523	0.90650187
Cdt1	0.12517306	0.16561791	0.1417702	0.02384772	0.22728656	0.90650187
Cpox	0.39908247	0.41407914	0.39027222	0.02380692	0.39312417	0.90650187
Palld1	0.06916863	0.10485811	0.08109094	0.02376716	0.09629169	0.90650187
Dhcr7	0.21353987	0.2538619	0.23010202	0.02375988	0.32310107	0.90650187
Pde3a	0.13226254	0.1729307	0.14918758	0.02374313	0.23962296	0.90650187
Ephb4	0.25581622	0.2931189	0.2694007	0.0237182	0.34775309	0.90650187
Slc39a6	0.43599886	0.4423641	0.41867385	0.02369025	0.40069435	0.90650187
Sardh	0.1637099	0.20504761	0.18137492	0.02367269	0.28087921	0.90650187
Chchd4	0.48945486	0.48169973	0.45803156	0.02366817	0.40915436	0.90650187
Nrn1	0.05376155	0.0873049	0.06366561	0.02363929	0.0494029	0.5871567
Cenpk	0.11381749	0.15339526	0.12976106	0.0236342	0.20905447	0.90650187
Mcm2	0.29895508	0.33133901	0.30770655	0.02363247	0.36638947	0.90650187
Foxm1	0.05212778	0.08542263	0.06179714	0.0236255	0.04460424	0.54285755
Soat1	0.52414343	0.50610506	0.48251761	0.02358745	0.41397964	0.90650187
Tmem214	0.58620966	0.54795625	0.52440418	0.02355207	0.42087272	0.90650187
Celf4	0.29543301	0.32814372	0.3046443	0.02349942	0.36582867	0.90650187
Rpl13a-ps1	0.13572516	0.17625685	0.15278851	0.02346834	0.24735217	0.90650187
Snx7	0.25906229	0.2958004	0.27234452	0.02345588	0.3509039	0.90650187
Il10rb	0.33713087	0.36363038	0.34018804	0.02344234	0.37967042	0.90650187
Cep120	0.12711645	0.16720648	0.14380948	0.023397	0.23475536	0.90650187
Nudt9	0.31044996	0.34101747	0.31762233	0.02339515	0.37166356	0.90650187
Sptbn1	1.19346852	0.84385436	0.82047286	0.0233815	0.44959325	0.90650187
Wnt4	0.19516453	0.2358045	0.21244706	0.02335744	0.31250191	0.90650187
Epb42	0.0302051	0.0596564	0.0363313	0.0233251	0.00215775	0.04542806
Al662270	0.01619894	0.04298514	0.01966807	0.02331707	6.81E-08	3.45E-06

Pgm1	0.2419476	0.28000422	0.25670692	0.0232973	0.34330542	0.90650187
Tsg101	1.13006841	0.82308075	0.79980232	0.02327843	0.44852437	0.90650187
Sdk2	0.18709867	0.22780988	0.20458278	0.0232271	0.30687512	0.90650187
Pxdc1	0.12993528	0.16997821	0.14675932	0.02321889	0.24092125	0.90650187
Rab37	0.13556459	0.17583868	0.15262184	0.02321684	0.24943593	0.90650187
1110008L16F	0.1435908	0.18409721	0.16091573	0.02318148	0.26094557	0.90650187
Pttg1ip	0.6938597	0.61484995	0.59172585	0.0231241	0.43103877	0.90650187
Gm8113	0.0189387	0.04604954	0.02295225	0.02309729	3.84E-06	0.00014718
Tc2n	0.02582917	0.05423663	0.03115875	0.02307788	0.00049622	0.01289414
Tmem59	2.59755539	0.91157632	0.88852757	0.02304875	0.45409545	0.90650187
Pla2g12a	0.32755161	0.35519856	0.33215799	0.02304057	0.37889839	0.90650187
Ccr1	0.01632697	0.04284866	0.01982181	0.02302684	1.21E-07	5.80E-06
Tmem70	0.60881831	0.56207012	0.53908184	0.02298828	0.42482079	0.90650187
Gid4	0.21549945	0.25494522	0.23196391	0.02298131	0.32980977	0.90650187
Sp110	0.01773305	0.0444333	0.02150851	0.02292479	1.08E-06	4.60E-05
Mospd1	0.188881	0.22922875	0.20632659	0.02290217	0.31084363	0.90650187
Hnrnp3	0.91048159	0.73266554	0.70976647	0.02289907	0.44297617	0.90650187
Tmem120a	0.24655896	0.28384527	0.26094924	0.02289603	0.34824485	0.90650187
Pds5b	0.37672732	0.39545449	0.37255965	0.02289484	0.39235166	0.90650187
Rpp21	0.83100874	0.69183318	0.66894994	0.02288324	0.43956431	0.90650187
Cnpy4	0.29591976	0.32787307	0.30506827	0.02280481	0.36982269	0.90650187
Ddit4l	0.05665242	0.08973891	0.06696198	0.02277692	0.06524657	0.71046786
Mesp2	0.03558858	0.06541675	0.04265357	0.02276317	0.0088338	0.15087931
Vamp2	0.8044115	0.67736012	0.65465645	0.02270366	0.43873594	0.90650187
Slc38a2	0.65704964	0.59211912	0.56942046	0.02269865	0.42967015	0.90650187
Ces1d	0.05383389	0.08639117	0.06374825	0.02264292	0.05716254	0.64823856
Cntln	0.36935087	0.3892395	0.36662793	0.02261157	0.39197303	0.90650187
Szrd1	0.54091348	0.51668176	0.49407314	0.02260863	0.41939967	0.90650187
Dennd1c	0.08108458	0.1169308	0.09433038	0.02260042	0.14341224	0.90650187
Tbpl1	0.57983667	0.54280618	0.520212	0.02259417	0.42344645	0.90650187

Sptan1	0.65026275	0.58782118	0.56522922	0.02259196	0.42948364	0.90650187
Trappc2	0.35486015	0.37743435	0.35484366	0.02259068	0.38857921	0.90650187
Ubac2	0.33956536	0.36479691	0.34221643	0.02258048	0.38463319	0.90650187
Nmnat3	0.06497008	0.09895221	0.07637709	0.02257512	0.0944218	0.90650187
Snx1	0.5456081	0.51983454	0.49727581	0.02255872	0.4200861	0.90650187
As3mt	0.37562555	0.39420969	0.37167649	0.0225332	0.3937653	0.90650187
Jagn1	0.87498767	0.71438059	0.69189352	0.02248707	0.4425585	0.90650187
Txndc16	0.1083988	0.14644963	0.12397466	0.02247497	0.21014168	0.90650187
Zc4h2	0.09965043	0.13702778	0.11455767	0.02247011	0.19160659	0.90650187
Tlx2	0.01635371	0.04232023	0.01985392	0.02246631	2.45E-07	1.12E-05
Pcnxl4	0.15147883	0.19145182	0.16899313	0.02245869	0.27732455	0.90650187
Efna3	0.06041097	0.09368382	0.07122911	0.0224547	0.08053825	0.82275666
Arhgap30	0.01611946	0.04202554	0.01957261	0.02245293	1.70E-07	8.02E-06
Romo1	2.23378012	0.94092634	0.91849939	0.02242695	0.45678045	0.90650187
Cyp2j6	0.11255249	0.15079949	0.12841347	0.02238601	0.2191722	0.90650187
Btbd10	0.30206194	0.33277246	0.3103982	0.02237426	0.37431356	0.90650187
Lsm1	0.65961605	0.59335532	0.57099901	0.02235631	0.43090966	0.90650187
Lrrtm1	0.02929308	0.05758413	0.03525574	0.02232839	0.00243492	0.05063374
Mcam	0.11733173	0.15580556	0.13349441	0.02231115	0.22874029	0.90650187
Nmral1	0.24605372	0.28274886	0.26048545	0.02226341	0.35198712	0.90650187
Tjap1	0.29063428	0.32271459	0.30045307	0.02226152	0.37093082	0.90650187
E330009J07F	0.16122392	0.20112971	0.17887208	0.02225764	0.29006963	0.90650187
Rnls	0.07572708	0.11064175	0.0884031	0.02223865	0.13171195	0.90650187
Rapgef2	0.09418782	0.13087289	0.10865608	0.0222168	0.181678	0.90650187
Aen	0.25144398	0.28763206	0.26541953	0.02221253	0.35492943	0.90650187
Samhd1	0.18825242	0.22791547	0.20571198	0.02220349	0.31567207	0.90650187
Cast	0.18511389	0.22483698	0.20263686	0.02220012	0.31311369	0.90650187
Gfra1	0.04715862	0.07825954	0.05608937	0.02217017	0.03944246	0.4922536
Hspb11	0.50041912	0.48799628	0.46585773	0.02213855	0.41634038	0.90650187
Rec114	0.0182573	0.04426394	0.02213657	0.02212737	4.42E-06	0.00016755

Cxcl16	0.0513188	0.08296342	0.06087045	0.02209297	0.05331403	0.62090631
Sgcb	0.36096779	0.38189794	0.35983133	0.02206661	0.39257029	0.90650187
Tro	0.18786721	0.22735529	0.20533513	0.02202017	0.31677098	0.90650187
Ell2	0.17103897	0.21073302	0.18871331	0.0220197	0.30197511	0.90650187
Fuca2	0.22561207	0.26345841	0.24150913	0.02194928	0.3430939	0.90650187
Glipr1	0.02087335	0.04715762	0.02526406	0.02189355	5.85E-05	0.00181345
Sep-06	0.08318879	0.11853431	0.09664719	0.02188712	0.1570226	0.90650187
Serpine1	0.07677861	0.11145605	0.0895697	0.02188635	0.13867679	0.90650187
Cmss1	0.09253281	0.12871039	0.10685993	0.02185046	0.181668	0.90650187
Nol7	1.08833075	0.80688195	0.78506294	0.02181901	0.45083366	0.90650187
Stt3b	0.75557205	0.64939001	0.62757426	0.02181576	0.43859266	0.90650187
Rasl11b	0.11471801	0.15251739	0.13071918	0.02179821	0.2292462	0.90650187
Angpt2	0.06585028	0.0991638	0.07736745	0.02179635	0.10520499	0.90650187
Rpgrip1	0.24830405	0.28434296	0.26254901	0.02179394	0.35605434	0.90650187
Pla2g2d	0.15649032	0.19587077	0.17408701	0.02178376	0.28900799	0.90650187
Gbp2	0.08577456	0.12126573	0.09948564	0.02178009	0.16521124	0.90650187
4930430F08I	0.11958503	0.15764643	0.13588024	0.02176618	0.2381933	0.90650187
Stk24	0.17115	0.21058871	0.18882402	0.02176469	0.30417846	0.90650187
Gstk1	0.10633017	0.14350684	0.12175605	0.02175079	0.21354712	0.90650187
Dact2	0.24293545	0.27935327	0.25761747	0.02173579	0.35379814	0.90650187
Obsl1	0.34018069	0.3644516	0.34272833	0.02172327	0.3890571	0.90650187
Magel2	0.10020919	0.13688287	0.11515982	0.02172304	0.20084916	0.90650187
Tmem26	0.09063356	0.1264912	0.10479401	0.02169719	0.17867001	0.90650187
Map2k1	0.56873263	0.53454627	0.51285065	0.02169562	0.42541214	0.90650187
Arid4b	1.03478341	0.78646136	0.76476647	0.02169489	0.44982126	0.90650187
Pla2g4a	0.12798009	0.16640805	0.14471428	0.02169377	0.25256806	0.90650187
Scarf1	0.0459248	0.07635029	0.05466636	0.02168393	0.0389172	0.4872985
Rnf128	0.14992245	0.18908619	0.16740529	0.0216809	0.28238977	0.90650187
Ccdc186	0.36215375	0.382475	0.3607963	0.0216787	0.39468939	0.90650187
Ndor1	0.05913232	0.09137867	0.0697798	0.02159886	0.08440407	0.84912391

Oasl2	0.03347317	0.0617727	0.04017467	0.02159803	0.00842483	0.14519943
Fgf10	0.06054536	0.09297325	0.0713813	0.02159194	0.08935462	0.88257281
Tbx3	0.07434082	0.10844559	0.0868627	0.0215829	0.13466517	0.90650187
Apba3	0.1542135	0.19335532	0.17177633	0.02157899	0.28826217	0.90650187
Casc5	0.07669741	0.11104035	0.08947966	0.02156069	0.14204043	0.90650187
A330009N23	0.05917829	0.09137426	0.06983195	0.02154231	0.08512273	0.85522185
Fkbp1b	0.11271262	0.15011481	0.12858417	0.02153064	0.22832033	0.90650187
Slit3	0.0872718	0.12265381	0.10112488	0.02152894	0.17196074	0.90650187
Ttc23	0.08513458	0.12030735	0.098784	0.02152334	0.16636701	0.90650187
Cryz	0.14178128	0.18054877	0.15905247	0.0214963	0.27397532	0.90650187
Plscr2	0.03980425	0.06905275	0.0475729	0.02147985	0.02236123	0.31488391
3632451O06	0.14823097	0.18714817	0.16567627	0.02147189	0.28225444	0.90650187
Cct4	1.61381337	0.93106671	0.90959598	0.02147073	0.45821284	0.90650187
Exosc8	0.34433103	0.36764329	0.34617274	0.02147054	0.39137842	0.90650187
Gm9493	2.17020745	0.94335916	0.92191465	0.02144451	0.45881937	0.90650187
Lcn2	0.0190345	0.04450089	0.02306687	0.02143402	1.81E-05	0.00061853
Oaf	0.28313597	0.31529377	0.29386206	0.02143171	0.37288447	0.90650187
Cacng8	0.01689135	0.04192151	0.02049921	0.0214223	1.69E-06	7.02E-05
Syn1	0.05895772	0.09098537	0.06958171	0.02140367	0.08573593	0.85918035
Mpp6	0.21493815	0.25283345	0.231431	0.02140245	0.34049075	0.90650187
Hist1h2bg	0.02323592	0.04947265	0.02807909	0.02139355	0.00035315	0.00941795
Meox1	0.07986189	0.11437445	0.09298127	0.02139318	0.15318998	0.90650187
Chchd3	0.77877106	0.66196844	0.64057563	0.02139281	0.44098733	0.90650187
Elavl2	0.07636428	0.11049329	0.08911022	0.02138307	0.14303634	0.90650187
Them6	0.05551086	0.08704081	0.06566179	0.02137902	0.07388431	0.7756322
Irs4	0.02587398	0.05258027	0.03121187	0.02136839	0.00116895	0.02696394
Pfkp	0.09874524	0.13491662	0.11358258	0.02133404	0.20185566	0.90650187
Rwdd1	1.34014712	0.88207513	0.86077815	0.02129698	0.45620819	0.90650187
Hbp1	0.61250998	0.56269595	0.54145056	0.0212454	0.43076127	0.90650187
Ifngr2	0.43879908	0.442026	0.42078668	0.02123931	0.41122572	0.90650187

Wbp2	0.6793648	0.60424881	0.58302719	0.02122162	0.43572548	0.90650187
Adgrl4	0.03272502	0.06051713	0.03929629	0.02122084	0.00818137	0.14180727
Pik3r4	0.10249855	0.13883087	0.11763244	0.02119842	0.21152584	0.90650187
Rfc2	0.74315178	0.64169771	0.6205096	0.02118812	0.43967192	0.90650187
Unc5b	0.08661892	0.12158653	0.10041047	0.02117606	0.17423632	0.90650187
Nedd4	2.27821592	0.93679344	0.91562248	0.02117096	0.45906443	0.90650187
Map3k7cl	0.02967154	0.05683945	0.03570222	0.02113722	0.00424436	0.08177261
Otud6b	0.32728098	0.35306279	0.33192999	0.0211328	0.38857463	0.90650187
Hgs	0.4454341	0.44690245	0.4257701	0.02113235	0.41268254	0.90650187
Il6st	0.34600365	0.36864322	0.34755674	0.02108647	0.39368877	0.90650187
Rad21	0.8632823	0.70693306	0.68587442	0.02105865	0.44571498	0.90650187
Gpat4	0.57450506	0.53773287	0.51668655	0.02104632	0.42815083	0.90650187
Cenpq	0.14226901	0.18059536	0.15955506	0.0210403	0.2788585	0.90650187
Ppm1f	0.07983003	0.11398223	0.09294608	0.02103615	0.15716973	0.90650187
Ddx41	0.66270504	0.59392565	0.5728944	0.02103124	0.4351803	0.90650187
Adamts15	0.13546883	0.17354725	0.15252243	0.02102482	0.26999922	0.90650187
Mrps7	0.83573748	0.69245614	0.67145901	0.02099713	0.44471791	0.90650187
Tshz3	0.18493005	0.22345024	0.20245639	0.02099385	0.32240288	0.90650187
Tmco3	0.31762965	0.34473828	0.32375656	0.02098173	0.38663247	0.90650187
Mycl	0.19363621	0.23191228	0.21096229	0.02094999	0.32943311	0.90650187
Kdelc2	0.4021277	0.41360038	0.39265424	0.02094614	0.40626986	0.90650187
Hnf4a	0.13865072	0.17674607	0.15581987	0.0209262	0.27524257	0.90650187
Armcx3	0.99247637	0.76852659	0.74761257	0.02091402	0.45051385	0.90650187
Pon2	0.26688869	0.30031195	0.27940079	0.02091116	0.36967208	0.90650187
Rgs19	0.26138593	0.29535587	0.27444559	0.02091028	0.36741219	0.90650187
Scara5	0.0438396	0.07315996	0.05225615	0.02090381	0.0376726	0.47484348
Sema3g	0.02582376	0.05202851	0.03115233	0.02087618	0.00144527	0.03216631
Lypd2	0.04433846	0.07370241	0.05283336	0.02086905	0.03954387	0.49281891
Inpp1	0.29219659	0.32264331	0.30181989	0.02082342	0.3795301	0.90650187
Snx4	0.73882729	0.63884478	0.6180324	0.02081238	0.44049798	0.90650187

Elovl6	0.17663148	0.21507242	0.19427212	0.0208003	0.31704378	0.90650187
Hspa9	1.17552209	0.83557257	0.81477368	0.02079889	0.45482348	0.90650187
Anapc16	1.0173755	0.77860745	0.7578134	0.02079405	0.45145531	0.90650187
B3gat3	0.30327553	0.33224116	0.31144726	0.0207939	0.38330478	0.90650187
Pkib	0.09528971	0.13064318	0.10984983	0.02079334	0.20003297	0.90650187
Nnmt	0.12357629	0.16085327	0.14009108	0.02076219	0.25499256	0.90650187
Phf11d	0.05894833	0.09032085	0.06957106	0.0207498	0.09243366	0.90084241
Nup54	0.23937324	0.27507522	0.2543295	0.02074572	0.35844095	0.90650187
Exosc1	0.47553951	0.46871575	0.44798019	0.02073556	0.4184842	0.90650187
Tagln3	0.0534817	0.08407014	0.06334584	0.02072429	0.07291365	0.76862723
Atp2a3	0.37005328	0.38790047	0.36719483	0.02070564	0.40103001	0.90650187
Bcl2l13	0.21294311	0.25022453	0.22953422	0.02069031	0.34430993	0.90650187
Dnaic1	0.04492916	0.07418655	0.05351636	0.0206702	0.0429828	0.52685717
Eid1	1.13342262	0.82162993	0.80096826	0.02066167	0.45435007	0.90650187
Gm9008	0.10675703	0.14285017	0.12221429	0.02063587	0.22643458	0.90650187
Gm26737	0.02680942	0.0529107	0.03232007	0.02059063	0.00231124	0.04839283
Poli	0.06201133	0.09361167	0.07303967	0.020572	0.10526161	0.90650187
Tecpr1	0.35411978	0.37477008	0.35423698	0.0205331	0.39832443	0.90650187
Fbxo27	0.04864491	0.07833193	0.05780049	0.02053144	0.05715275	0.64823856
1500009L16F	0.54265399	0.51579033	0.49526238	0.02052794	0.42690308	0.90650187
Scarb2	0.38875173	0.40266267	0.38213599	0.02052668	0.40563088	0.90650187
Foxd3	0.01056648	0.03338148	0.01287819	0.02050329	7.32E-13	6.40E-11
Zfp57	0.17499242	0.21314299	0.19264669	0.02049629	0.31811296	0.90650187
A330069E16I	0.07392057	0.10688857	0.08639518	0.02049338	0.14582228	0.90650187
Rpl24	4.47454808	0.63063719	0.61015574	0.02048145	0.44068676	0.90650187
Tsr1	0.23824027	0.27375336	0.25328112	0.02047225	0.35967405	0.90650187
Naaa	0.1719235	0.21006271	0.18959491	0.02046781	0.31563948	0.90650187
Zfp560	0.38742378	0.40154909	0.38108397	0.02046513	0.40565368	0.90650187
Fam167b	0.04238778	0.07103416	0.0505741	0.02046006	0.03604915	0.45894732
Klhdc3	0.42304808	0.42928112	0.40882797	0.02045316	0.41199808	0.90650187

Zfp729a	0.08151718	0.11525942	0.09480721	0.02045221	0.16877312	0.90650187
Uxs1	0.25735242	0.29123711	0.27079512	0.02044199	0.36858877	0.90650187
Sfxn2	0.41445855	0.42266921	0.40222766	0.02044155	0.41062814	0.90650187
Oas1a	0.02059428	0.0453712	0.02493096	0.02044023	0.00013378	0.0038662
Nav1	0.46271634	0.4590094	0.43859846	0.02041094	0.41805023	0.90650187
Hsd17b7	0.10462426	0.14033022	0.11992241	0.02040781	0.22466532	0.90650187
Icam1	0.07917943	0.1126312	0.09222731	0.02040389	0.16267505	0.90650187
Mocs3	0.03532982	0.0627248	0.04235073	0.02037408	0.01623034	0.24597939
Fbl	1.14397726	0.82495575	0.80458463	0.02037112	0.45519071	0.90650187
Tmem126a	0.66477732	0.59447644	0.57416315	0.02031329	0.43751175	0.90650187
Lrrfip1	0.43357363	0.43713913	0.41683937	0.02029976	0.41429993	0.90650187
Lyl1	0.05690337	0.08754719	0.06724754	0.02029964	0.08980278	0.88584823
5033428I22R	0.09873939	0.13386659	0.11357627	0.02029033	0.21353813	0.90650187
Aco2	1.21711971	0.84779307	0.82752457	0.0202685	0.4566465	0.90650187
Ntng1	0.02083859	0.04547864	0.02522258	0.02025606	0.00017833	0.00502935
Vsig8	0.01250452	0.03546435	0.0152203	0.02024404	1.68E-09	9.98E-08
Stk32a	0.09632892	0.13121543	0.11097415	0.02024128	0.20872237	0.90650187
Agpat2	0.32382501	0.34924446	0.3290129	0.02023157	0.3922852	0.90650187
Carhsp1	0.73503682	0.63607998	0.61585316	0.02022683	0.44195688	0.90650187
Gm6133	1.60082171	0.92829569	0.90807056	0.02022512	0.46056303	0.90650187
Sdhaf4	0.79876308	0.67179163	0.65158021	0.02021142	0.44516028	0.90650187
Tfam	0.41398418	0.42205936	0.40186148	0.02019788	0.41159664	0.90650187
Gdpd1	0.27847034	0.30992897	0.28973492	0.02019405	0.37833697	0.90650187
Efcab10	0.25372731	0.2876774	0.26750093	0.02017647	0.36869436	0.90650187
Cnot7	0.85744566	0.70300189	0.68284629	0.0201556	0.44780019	0.90650187
C1qtnf4	0.41593793	0.42351203	0.40336854	0.02014349	0.41215481	0.90650187
Smtn	0.21332813	0.25001456	0.2299006	0.02011395	0.34865836	0.90650187
Cadm3	0.07756382	0.11055353	0.0904398	0.02011374	0.16140517	0.90650187
Gse1	0.37322916	0.38984771	0.36975226	0.02009545	0.40454054	0.90650187
Sec23b	0.58864718	0.54609606	0.52600133	0.02009473	0.43257008	0.90650187

Mrps18b	0.38814641	0.40174704	0.38165661	0.02009043	0.40748589	0.90650187
BC017643	0.2651978	0.29796025	0.27788122	0.02007903	0.37401846	0.90650187
Sntb2	0.35648589	0.37622583	0.35617426	0.02005157	0.40118747	0.90650187
Jak1	0.7041797	0.61789475	0.59785222	0.02004252	0.44076283	0.90650187
Oip5	0.04640233	0.07523975	0.05521739	0.02002236	0.05347879	0.62198243
Csk	0.45096549	0.44991255	0.42989892	0.02001363	0.41801978	0.90650187
Krt15	0.02924972	0.05519804	0.03520458	0.01999346	0.00578888	0.10563846
E2f5	0.23695398	0.27207434	0.25208932	0.01998501	0.36225543	0.90650187
Timmdc1	0.28779547	0.31794602	0.2979638	0.01998222	0.3828005	0.90650187
Gm17634	0.01839861	0.04226637	0.02230579	0.01996057	3.47E-05	0.0011158
Sash1	0.2354447	0.27064438	0.25068884	0.01995554	0.36171334	0.90650187
Ilvbl	0.30199866	0.33029682	0.31034346	0.01995336	0.38750503	0.90650187
Tmem189	0.09498706	0.12941492	0.10952212	0.0198928	0.20969856	0.90650187
Gm11837	0.11075368	0.14638138	0.12649381	0.01988756	0.24229305	0.90650187
Psemb8	0.07286536	0.10507284	0.08522015	0.01985269	0.15018543	0.90650187
Oplah	0.07241142	0.1045625	0.08471417	0.01984833	0.14879978	0.90650187
Prune2	0.07464112	0.10700576	0.08719662	0.01980914	0.15626127	0.90650187
Lrrc32	0.08687492	0.12048268	0.10069067	0.01979201	0.19110277	0.90650187
Ntan1	0.73841398	0.63757637	0.61779511	0.01978126	0.44340397	0.90650187
Stim2	0.26182579	0.29462209	0.27484274	0.01977935	0.37450964	0.90650187
4931406P16I	0.35563945	0.37523934	0.35548175	0.01975759	0.40242093	0.90650187
Ankrd12	0.72817543	0.63163699	0.61189099	0.01974601	0.44296275	0.90650187
Slc39a7	1.02334559	0.77995682	0.76021135	0.01974547	0.45403683	0.90650187
Spry1	0.13141984	0.16805061	0.14830905	0.01974156	0.27700603	0.90650187
Gldc	0.03630328	0.06320194	0.0434895	0.01971244	0.02194945	0.31095399
Slc37a4	0.36527007	0.38303884	0.36332649	0.01971235	0.40470111	0.90650187
Ints12	0.19018627	0.22726318	0.20760147	0.01966171	0.33686347	0.90650187
Lysmd2	0.64078831	0.57898884	0.55933695	0.01965189	0.43794042	0.90650187
Aatf	0.29591466	0.32465331	0.30506383	0.01958949	0.38764133	0.90650187
Prr13	0.82895799	0.68742448	0.6678589	0.01956558	0.4481889	0.90650187

Pmvk	0.54273477	0.51487807	0.49531753	0.01956054	0.43031942	0.90650187
Ntpcr	0.2454476	0.27948383	0.25992872	0.01955511	0.36901835	0.90650187
Dync1li2	0.32407969	0.34878269	0.32922822	0.01955447	0.39587213	0.90650187
Coasy	0.32371086	0.34844394	0.32891637	0.01952756	0.39591579	0.90650187
Prkar1b	0.30491292	0.33235889	0.31286059	0.0194983	0.39086629	0.90650187
Klf10	0.43689882	0.43885045	0.41935351	0.01949694	0.41812642	0.90650187
G3bp2	0.99373216	0.767597	0.74813312	0.01946388	0.45396118	0.90650187
Gem	0.12288381	0.15880934	0.13936189	0.01944745	0.26750766	0.90650187
Spryd3	0.28496711	0.31491316	0.29547639	0.01943677	0.38497625	0.90650187
Lsamp	0.05408692	0.08346373	0.06403724	0.01942649	0.08872799	0.87809516
Nhsl2	0.17856605	0.21559839	0.19618679	0.0194116	0.33001628	0.90650187
Cryl1	0.19558234	0.23225724	0.21285253	0.01940471	0.34263442	0.90650187
Cdkal1	0.22321357	0.25865903	0.2392551	0.01940394	0.35921976	0.90650187
Elavl3	0.05806368	0.08792734	0.06856666	0.01936068	0.10468968	0.90650187
Kank2	0.22936416	0.26435779	0.24502353	0.01933427	0.36287183	0.90650187
Wbscr16	0.17115265	0.20815117	0.18882666	0.01932451	0.32456793	0.90650187
Srp14	2.00782104	0.94633281	0.92703895	0.01929386	0.46314106	0.90650187
Pde1c	0.23505856	0.26962333	0.25033016	0.01929317	0.36593962	0.90650187
Cct8	1.79136892	0.94310337	0.92381449	0.01928887	0.4630223	0.90650187
Kif11	0.07227145	0.10382958	0.0845581	0.01927149	0.15548462	0.90650187
Adamts8	0.09115121	0.12462573	0.10535758	0.01926815	0.20810113	0.90650187
Fam13c	0.05476229	0.08407027	0.06480813	0.01926214	0.09319841	0.90318385
Dennd5b	0.16917128	0.20610294	0.18684894	0.01925399	0.32343996	0.90650187
Clic3	0.0171314	0.04002596	0.02078718	0.01923878	1.94E-05	0.00065548
2610001J05F	1.12886678	0.81859563	0.79938366	0.01921197	0.45745661	0.90650187
S1pr3	0.09276895	0.12632712	0.10711643	0.01921068	0.21264055	0.90650187
Meox2	0.05877734	0.08856335	0.06937701	0.01918633	0.10945341	0.90650187
Sowahc	0.19226671	0.22878346	0.2096297	0.01915376	0.34230046	0.90650187
A430033K04	0.12811645	0.16400941	0.14485705	0.01915236	0.27834054	0.90650187
Slitrk4	0.05547081	0.08474784	0.06561614	0.0191317	0.09745238	0.90650187

Cpb2	0.02650162	0.05104713	0.03195559	0.01909155	0.00395388	0.07669505
Pcdh7	0.11798683	0.15326756	0.13418868	0.01907888	0.26366922	0.90650187
Tmem229b	0.1060825	0.14055992	0.12149006	0.01906987	0.24264763	0.90650187
Nabp1	0.08501124	0.11771798	0.09864872	0.01906926	0.1950719	0.90650187
Poc1a	0.0922543	0.12561938	0.10655729	0.01906209	0.21322617	0.90650187
Guca1a	0.09174742	0.12505636	0.10600622	0.01905014	0.21217135	0.90650187
Tbc1d8b	0.07966751	0.11178864	0.09276659	0.01902205	0.18099392	0.90650187
Tob2	0.3483705	0.36852813	0.34951048	0.01901765	0.40443061	0.90650187
Entpd1	0.03828986	0.06480586	0.0458089	0.01899696	0.03262115	0.42461821
Krtap17-1	0.04453728	0.07205849	0.0530633	0.01899519	0.05575942	0.63969729
Cdyl	0.08062178	0.11281217	0.09381998	0.01899219	0.18407769	0.90650187
Gcnt1	0.06402476	0.0942943	0.07531218	0.01898212	0.13125116	0.90650187
Zfp930	0.02579005	0.05008595	0.03111237	0.01897358	0.00335291	0.06697454
Elf3	0.17648137	0.21309221	0.19412338	0.01896883	0.33199754	0.90650187
Ccnjl	0.07508357	0.10664954	0.08768838	0.01896116	0.16820355	0.90650187
Cit	0.17579996	0.21240541	0.19344788	0.01895753	0.33154135	0.90650187
Myo9b	0.13926031	0.17540293	0.15645023	0.0189527	0.29509872	0.90650187
Tceal8	1.58522198	0.92520201	0.9062509	0.01895111	0.46296587	0.90650187
Csf2ra	0.25005022	0.28309678	0.26414654	0.01895024	0.3748883	0.90650187
Tm4sf5	0.04198413	0.06904446	0.05010587	0.01893859	0.04644826	0.55859172
Clec1a	0.04282016	0.06999834	0.05107539	0.01892295	0.04977339	0.58971569
Cenph	0.0982707	0.13198938	0.11307094	0.01891844	0.22849403	0.90650187
Tgif1	0.15089104	0.18729735	0.16839379	0.01890357	0.3088702	0.90650187
Pde2a	0.05868331	0.08815726	0.06927029	0.01888697	0.11273282	0.90650187
4930550C14I	0.06112713	0.09091984	0.07203981	0.01888003	0.12199038	0.90650187
Hpn	0.16557732	0.20212591	0.18325043	0.01887548	0.32350707	0.90650187
Sostdc1	0.02497363	0.04900323	0.03014392	0.01885931	0.00270659	0.05537394
Commd4	0.506189	0.48878936	0.46994356	0.0188458	0.42925198	0.90650187
Mrpl47	0.28380851	0.31328431	0.29445533	0.01882898	0.38809988	0.90650187
Pacrg	0.2198665	0.2549267	0.23609904	0.01882766	0.36147692	0.90650187

Grrp1	0.05752563	0.08677588	0.06795522	0.01882066	0.10911644	0.90650187
Hmga2	0.16130674	0.19776653	0.17895557	0.01881096	0.3201423	0.90650187
Itm2c	1.5299496	0.91709503	0.89829864	0.01879639	0.46294312	0.90650187
Sema7a	0.01332327	0.03500362	0.01620792	0.01879571	1.27E-07	6.05E-06
Golt1b	0.53958308	0.51195487	0.49316284	0.01879203	0.43274086	0.90650187
Bag3	0.1190871	0.15412493	0.13535355	0.01877138	0.2687708	0.90650187
Kazald1	0.07471254	0.10603922	0.08727603	0.01876319	0.16960011	0.90650187
Smarcd3	0.13344739	0.1691809	0.15042136	0.01875954	0.28964359	0.90650187
Gas2l3	0.0622985	0.09211621	0.07336416	0.01875205	0.12791395	0.90650187
Cpne2	0.09973836	0.13339015	0.11465233	0.01873782	0.23375001	0.90650187
Cyth2	0.97031824	0.75687842	0.73815027	0.01872815	0.45509745	0.90650187
Gar1	0.55560281	0.52277331	0.50404737	0.01872594	0.43440926	0.90650187
Slu7	0.42573562	0.42957618	0.41088128	0.0186949	0.41985168	0.90650187
Slco2b1	0.02894766	0.05352887	0.03484804	0.01868083	0.00858291	0.14742239
Smc1a	0.96007575	0.75226645	0.73358979	0.01867666	0.45494317	0.90650187
Phyhipl	0.24428954	0.27748987	0.25886404	0.01862583	0.37453306	0.90650187
Susd6	0.20029556	0.23601851	0.21741328	0.01860523	0.35181139	0.90650187
Gm11273	0.31993726	0.34426185	0.32571861	0.01854324	0.40009954	0.90650187
Nabl	0.02550358	0.04931479	0.03077268	0.01854212	0.00369536	0.0724815
Krt14	0.01844	0.04088483	0.02235535	0.01852948	0.00011445	0.00332637
Itgb2	0.02108037	0.04403714	0.02551109	0.01852605	0.00062247	0.01574394
Pja2	0.94126278	0.74325456	0.72473163	0.01852293	0.45476862	0.90650187
Dpm2	0.57466513	0.53529694	0.51679264	0.0185043	0.43676369	0.90650187
Nop9	0.21762629	0.2524831	0.23398024	0.01850286	0.3625868	0.90650187
Pcid2	0.24650095	0.27938229	0.260896	0.01848629	0.37638006	0.90650187
Kcna5	0.06032008	0.08960333	0.07112617	0.01847716	0.12406989	0.90650187
Nfam1	0.02160354	0.0445998	0.02613505	0.01846475	0.00084221	0.02054968
Tnfsf11	0.01473531	0.03634905	0.01790863	0.01844042	2.35E-06	9.47E-05
Hsf2	0.23636107	0.2699648	0.25153942	0.01842538	0.37234734	0.90650187
Celf1	0.71671562	0.62363937	0.60522299	0.01841638	0.44619694	0.90650187

Sh3gl1	0.60782849	0.55685415	0.53844542	0.01840873	0.43959768	0.90650187
Prcp	0.14819971	0.18404568	0.16564429	0.01840139	0.31070198	0.90650187
Chst4	0.03857623	0.06454085	0.04614275	0.0183981	0.03815096	0.47967968
Tmem106b	0.42284701	0.4270721	0.40867413	0.01839798	0.42068735	0.90650187
Far1	0.41907597	0.42417998	0.40578316	0.01839682	0.42013481	0.90650187
Vrk2	0.10699894	0.14086252	0.12247389	0.01838863	0.25223343	0.90650187
Orc2	0.2108014	0.2458803	0.22749343	0.01838687	0.35968137	0.90650187
Aldh9a1	0.29792244	0.32519282	0.30680999	0.01838282	0.39497988	0.90650187
Dock1	0.16876322	0.20479463	0.1864411	0.01835353	0.33082656	0.90650187
Nuak2	0.0830082	0.11478086	0.09644861	0.01833225	0.19905859	0.90650187
Gm15261	0.05268502	0.08075549	0.06243488	0.01832061	0.09603174	0.90650187
Cpsf2	0.34880888	0.36819079	0.34987184	0.01831895	0.40797092	0.90650187
Gucy1b3	0.10662134	0.1403703	0.12206864	0.01830166	0.25253736	0.90650187
Thbs3	0.28918627	0.31747343	0.29918427	0.01828916	0.39290317	0.90650187
Smarcc2	0.50985128	0.49081324	0.47252565	0.01828759	0.43169795	0.90650187
Zdhhc16	0.34624477	0.36604059	0.34775599	0.01828459	0.40759161	0.90650187
Klhl22	0.33164528	0.35388244	0.33559916	0.01828328	0.40431472	0.90650187
Ptcd1	0.13124311	0.16635321	0.1481247	0.01822851	0.29216021	0.90650187
Adcy2	0.03807375	0.06378242	0.04555688	0.01822554	0.03765967	0.47484348
Vegfa	0.52469939	0.5011089	0.48290354	0.01820536	0.4334496	0.90650187
Zfp260	0.63674994	0.574998	0.55680962	0.01818839	0.44226965	0.90650187
Vps4b	0.60112403	0.55230775	0.53412015	0.0181876	0.43983814	0.90650187
Yes1	0.40814045	0.41551923	0.39733676	0.01818247	0.41939763	0.90650187
Dbp	0.15228231	0.18798578	0.16981177	0.01817402	0.31711246	0.90650187
Sae1	0.78474816	0.66202066	0.64388521	0.01813545	0.4501773	0.90650187
Mnat1	0.46782917	0.46048559	0.44235358	0.018132	0.42770321	0.90650187
Ing1	0.51151237	0.49181373	0.47369393	0.0181198	0.43248389	0.90650187
Rad51ap1	0.08587582	0.117704	0.09959661	0.01810739	0.20947519	0.90650187
Itpk1	0.07650555	0.10732855	0.08926691	0.01806164	0.18419514	0.90650187
Malat1	7.71186343	3.30783338	3.28977844	0.01805495	0.49026743	0.90650187

9430020K01	0.06755935	0.09731671	0.07928719	0.01802952	0.15602997	0.90650187
Clec2d	0.07063693	0.10075697	0.08273339	0.01802358	0.16640198	0.90650187
Fmn2	0.19853283	0.233705	0.21571058	0.01799441	0.35537495	0.90650187
Aff2	0.02702698	0.05056673	0.03257763	0.0179891	0.0070476	0.12471545
Nespas	0.24426529	0.27680136	0.25884174	0.01795962	0.37886749	0.90650187
Oxr1	0.31190061	0.33682171	0.31886538	0.01795634	0.40115973	0.90650187
Taf9b	0.19953558	0.23463099	0.21667958	0.01795141	0.3563217	0.90650187
Adgrd1	0.09118823	0.12334607	0.10539787	0.0179482	0.22451225	0.90650187
Gpn1	0.24941928	0.28150623	0.26356965	0.01793658	0.38112223	0.90650187
Trmt12	0.10813974	0.14161146	0.12369712	0.01791434	0.2598423	0.90650187
Prss8	0.09206583	0.12425353	0.10635244	0.0179011	0.2271461	0.90650187
AU020206	0.04590109	0.0725209	0.05463899	0.01788191	0.07284423	0.76842826
Gchfr	0.1142356	0.14808598	0.13020603	0.01787994	0.27077444	0.90650187
Mis18a	0.12682619	0.16137161	0.14350519	0.01786642	0.28996785	0.90650187
Ift81	0.47451561	0.465094	0.44723542	0.01785859	0.42955084	0.90650187
Ktn1	1.11344114	0.81181333	0.79398207	0.01783126	0.46023588	0.90650187
Yars	0.30407792	0.3299096	0.31214015	0.01776945	0.40010374	0.90650187
Capn2	0.68604574	0.60481705	0.58705016	0.01776688	0.44648588	0.90650187
Endou	0.01049875	0.03055692	0.01279623	0.01776069	3.41E-10	2.24E-08
Bet1	0.66463815	0.59181709	0.57407801	0.01773908	0.44536926	0.90650187
Galnt16	0.15190304	0.18716282	0.16942543	0.01773739	0.32081647	0.90650187
Cfb	0.01750698	0.0389741	0.02123754	0.01773657	0.00010251	0.00301979
Zxdb	0.0999819	0.13264758	0.11491445	0.01773312	0.24634789	0.90650187
Fundc2	1.20934744	0.84295593	0.82522844	0.0177275	0.46195877	0.90650187
St3gal5	0.29500783	0.32199947	0.30427379	0.01772568	0.39782459	0.90650187
Atp1a2	0.10611974	0.13923787	0.12153006	0.01770781	0.25857104	0.90650187
Il17ra	0.08264682	0.11375517	0.09605106	0.0177041	0.20627547	0.90650187
Ppan	0.36029303	0.37697838	0.3592818	0.01769657	0.41333664	0.90650187
Nle1	0.15348966	0.1887278	0.17104048	0.01768732	0.32285832	0.90650187
Fam162b	0.03642063	0.06130718	0.04362668	0.0176805	0.03579926	0.45729797

Ap1b1	0.36051841	0.37712683	0.35946539	0.01766143	0.41354949	0.90650187
Vmp1	0.67179429	0.59608615	0.57844095	0.0176452	0.44606396	0.90650187
Nol12	0.5312863	0.50509893	0.48746105	0.01763788	0.43610338	0.90650187
Stag1	0.52607416	0.50146751	0.48385702	0.01761049	0.43573066	0.90650187
Il3ra	0.16710642	0.20238755	0.18478323	0.01760432	0.33595304	0.90650187
Trim27	0.76833182	0.65235405	0.63475681	0.01759724	0.45095668	0.90650187
Cyp11a1	0.01081352	0.03076987	0.01317707	0.01759279	1.47E-09	8.88E-08
1500011K16l	0.55891086	0.52386654	0.50627521	0.01759133	0.43861972	0.90650187
Zfp943	0.18222794	0.21738521	0.19979976	0.01758545	0.3477945	0.90650187
Azin2	0.14305025	0.17789539	0.16035952	0.01753587	0.31343312	0.90650187
Aga	0.51151123	0.4911609	0.47369313	0.01746776	0.43489122	0.90650187
Trem2	0.0150815	0.03577609	0.01832511	0.01745099	1.15E-05	0.0004085
Rab5c	0.80659329	0.67328389	0.65584098	0.01744291	0.45294014	0.90650187
Ggt5	0.06082033	0.08909446	0.0716926	0.01740186	0.14027676	0.90650187
Ccdc103	0.06853025	0.0977666	0.08037587	0.01739074	0.16805363	0.90650187
Ripk3	0.06201105	0.09042292	0.07303936	0.01738357	0.14501255	0.90650187
Armc2	0.05187379	0.07888765	0.0615063	0.01738135	0.1045028	0.90650187
Cdc42se1	0.62458689	0.5665031	0.54914401	0.01735909	0.44412029	0.90650187
Gjb1	0.05770872	0.08549306	0.06816334	0.01732972	0.12918698	0.90650187
Optn	0.08781422	0.11902969	0.10171796	0.01731172	0.22464097	0.90650187
Htatsf1	0.44277993	0.44105169	0.42378061	0.01727108	0.42811328	0.90650187
Itgav	0.23492131	0.2674638	0.25020264	0.01726116	0.37953715	0.90650187
Cyb5d2	0.12216744	0.15586075	0.13860693	0.01725382	0.28999816	0.90650187
Tmem150a	0.18332446	0.21812792	0.20087878	0.01724913	0.35132824	0.90650187
2700081O15	0.22312509	0.2563985	0.23917183	0.01722667	0.37440811	0.90650187
Loxl3	0.11118826	0.14417522	0.12695796	0.01721726	0.27329227	0.90650187
Nav3	0.05206557	0.0789388	0.06172591	0.01721289	0.10754288	0.90650187
Cope	1.94518503	0.9444945	0.92731191	0.01718259	0.46717438	0.90650187
Gins2	0.23259769	0.2652154	0.24804085	0.01717455	0.37911068	0.90650187
Ctbs	0.17066896	0.2054965	0.18834427	0.01715224	0.34279211	0.90650187

Exosc2	0.28998105	0.31703206	0.29988092	0.01715114	0.39964799	0.90650187
Mtrf1l	0.18986182	0.22442788	0.20728475	0.01714313	0.35656105	0.90650187
Cetn2	0.94155479	0.74200099	0.72487015	0.01713084	0.45816293	0.90650187
Tmem106a	0.04272862	0.06809924	0.05096928	0.01712996	0.06757516	0.73016166
Piezo1	0.1316551	0.16567971	0.14855439	0.01712531	0.30415463	0.90650187
Phox2a	0.01523096	0.03562621	0.01850484	0.01712137	1.95E-05	0.00065749
Malsu1	0.40119381	0.40902537	0.39192449	0.01710088	0.42309752	0.90650187
Itpr1	0.40433153	0.41144605	0.39437369	0.01707236	0.42369509	0.90650187
Adgrg6	0.09279269	0.12420603	0.10714222	0.01706382	0.23946591	0.90650187
Prickle2	0.06128433	0.08928112	0.07221766	0.01706347	0.14676701	0.90650187
Miat	0.15880491	0.19349159	0.17642994	0.01706164	0.33362982	0.90650187
Pithd1	0.40194364	0.40957164	0.39251047	0.01706118	0.42338695	0.90650187
Susd2	0.05999096	0.08779804	0.07075332	0.01704472	0.14209323	0.90650187
Inpp5d	0.01547437	0.0358411	0.01879749	0.01704361	2.78E-05	0.00090657
Nup50	0.38579695	0.39681261	0.37979329	0.01701933	0.42104655	0.90650187
Ecel1	0.03147545	0.05484288	0.03782727	0.01701561	0.02276421	0.31940792
Tenm3	0.25242001	0.28331853	0.26630987	0.01700866	0.38823134	0.90650187
Ncoa3	0.17605969	0.21071401	0.19370542	0.01700859	0.34813778	0.90650187
Top1	1.62573728	0.92796664	0.910959	0.01700764	0.46692591	0.90650187
Rabgef1	0.14074464	0.17498317	0.15798331	0.01699986	0.31619292	0.90650187
Tmem215	0.0938048	0.12522859	0.10824074	0.01698786	0.2426773	0.90650187
Yif1b	0.71040759	0.61850973	0.6015238	0.01698593	0.4500497	0.90650187
Gm5611	0.1813504	0.21588223	0.19893528	0.01694695	0.35245033	0.90650187
Dcps	0.71194995	0.61936573	0.60243014	0.0169356	0.45027148	0.90650187
Rbp2	0.10162681	0.13362451	0.1166917	0.01693281	0.2594345	0.90650187
Cux2	0.04827084	0.07429778	0.05737015	0.01692763	0.09480729	0.90650187
Avpi1	0.17829443	0.21284231	0.19591821	0.01692409	0.35047926	0.90650187
Zfp655	0.27990046	0.30790921	0.29100212	0.01690709	0.39809243	0.90650187
Ptgs1	0.09798432	0.12965961	0.11276203	0.01689758	0.25264747	0.90650187
Hfe	0.06778846	0.09642476	0.07954422	0.01688054	0.17273102	0.90650187

Afap1l2	0.09477145	0.12613706	0.10928858	0.01684849	0.24655918	0.90650187
Ctnnbip1	0.84724785	0.69434979	0.67752222	0.01682758	0.45604003	0.90650187
Cdh19	0.02066231	0.04180987	0.02501217	0.01679771	0.00141518	0.03163897
Fam81a	0.08234593	0.1125122	0.09571993	0.01679227	0.21772538	0.90650187
Notch3	0.15782111	0.19222277	0.17543485	0.01678793	0.33526727	0.90650187
Inpp5a	0.0750247	0.10440136	0.08762297	0.0167784	0.19731177	0.90650187
Nhlrc1	0.0210092	0.04216555	0.02542617	0.01673938	0.00171248	0.03734777
Nup107	0.11504082	0.14779367	0.13106238	0.01673128	0.28518002	0.90650187
Tmem107	0.56722044	0.52852863	0.51184227	0.01668636	0.44238332	0.90650187
Acot2	0.17196263	0.20631819	0.18963389	0.0166843	0.34784992	0.90650187
Gdf6	0.02981924	0.05253278	0.03587641	0.01665637	0.01951052	0.28326589
Zfand5	0.71725652	0.62218324	0.60553915	0.0166441	0.45137279	0.90650187
Armcx6	0.33377976	0.35403173	0.33738775	0.01664398	0.41320419	0.90650187
Serpina1b	0.03413108	0.05758319	0.04094637	0.01663682	0.03543703	0.45381491
Saxo2	0.10185796	0.13357469	0.11694124	0.01663345	0.2635848	0.90650187
Dpysl4	0.11851202	0.15135159	0.13474489	0.0166067	0.29187995	0.90650187
Gpr153	0.12045475	0.15339082	0.13679946	0.01659136	0.2948835	0.90650187
Arsb	0.22508433	0.2575615	0.24101368	0.01654782	0.3800947	0.90650187
Pcyox1	0.30300535	0.32774609	0.31121382	0.01653227	0.40665461	0.90650187
Efr3a	0.41514114	0.41928018	0.40275427	0.01652591	0.42762923	0.90650187
Kctd8	0.13482096	0.16836816	0.15184956	0.01651859	0.31433322	0.90650187
Cyrr1	0.0377489	0.06167266	0.04517792	0.01649474	0.05228206	0.61257938
Bnc2	0.15717117	0.1912475	0.17477683	0.01647066	0.33762773	0.90650187
Hes5	0.01403854	0.03352375	0.01706982	0.01645393	9.13E-06	0.0003296
Mapk7	0.24743403	0.27820364	0.26175193	0.01645172	0.38996253	0.90650187
Stx4a	0.56459159	0.52652901	0.51008554	0.01644348	0.44302201	0.90650187
G430095P16	0.03974841	0.0639363	0.04750792	0.01642837	0.06210957	0.68663823
Tom1l2	0.09247817	0.12321872	0.10680056	0.01641816	0.24717355	0.90650187
Tle1	0.41089285	0.41588128	0.39947111	0.01641017	0.4275464	0.90650187
Cd2ap	0.63057127	0.56932724	0.55292569	0.01640155	0.4475432	0.90650187

Srebf2	0.36976269	0.3833552	0.36696035	0.01639485	0.42128067	0.90650187
Arf5	2.89038821	0.86868686	0.85229343	0.01639342	0.46592839	0.90650187
Ifih1	0.05555328	0.0820981	0.06571013	0.01638797	0.13377443	0.90650187
Nptn	1.09995976	0.80560815	0.78923299	0.01637516	0.46325436	0.90650187
Hdgfrp3	0.16078324	0.19479802	0.17842768	0.01637034	0.34168296	0.90650187
Tbc1d4	0.07535942	0.10434504	0.08799483	0.01635021	0.20439281	0.90650187
Mcur1	0.1763341	0.21031605	0.19397743	0.01633862	0.35403433	0.90650187
Ahsa2	0.52911901	0.50229146	0.48596452	0.01632693	0.44063523	0.90650187
Ptpn1	0.5156342	0.49290644	0.47658521	0.01632123	0.43949681	0.90650187
Ten1	0.74396046	0.6372917	0.62097177	0.01631994	0.4534949	0.90650187
Zfp354c	0.15143539	0.18526879	0.16894886	0.01631993	0.33380454	0.90650187
Arhgap36	0.05224369	0.07824835	0.06192983	0.01631853	0.12071531	0.90650187
Sgms1	0.41882799	0.42190523	0.40559261	0.01631262	0.42904783	0.90650187
Rac3	0.18792661	0.22169807	0.20539325	0.01630482	0.36207894	0.90650187
Dsel	0.13792128	0.17134858	0.15506499	0.01628359	0.32030747	0.90650187
Cdk5rap3	0.61664156	0.56034989	0.54409249	0.01625739	0.44716234	0.90650187
Ifit3	0.02631363	0.04797777	0.03173289	0.01624488	0.0114284	0.18659838
Cebpg	0.34025097	0.35901709	0.34278678	0.01623031	0.41664218	0.90650187
Rab3il1	0.09374028	0.12438967	0.10817075	0.01621893	0.25252464	0.90650187
Nkap	0.39315604	0.40183164	0.38561537	0.01621627	0.42584954	0.90650187
Cdk2ap1	0.3840842	0.39462182	0.3784322	0.01618962	0.42458153	0.90650187
Plac9b	0.11925529	0.15170921	0.13553149	0.01617772	0.29783065	0.90650187
Zbtb8a	0.19217248	0.22571396	0.20953793	0.01617603	0.36572606	0.90650187
Gpr137	0.21520917	0.24785442	0.23168835	0.01616607	0.37820731	0.90650187
Pip4k2b	0.11548268	0.14768666	0.13153197	0.0161547	0.29253044	0.90650187
Lmf2	0.2285182	0.26036318	0.2442324	0.01613079	0.38452475	0.90650187
Cbs	0.05649473	0.08290413	0.0667825	0.01612164	0.14159244	0.90650187
Impa2	0.13531569	0.16846204	0.15236343	0.01609861	0.31927764	0.90650187
Mar-02	0.43407573	0.4332982	0.41721952	0.01607868	0.43198474	0.90650187
Lix1	0.03164089	0.05406369	0.0380219	0.01604179	0.03035223	0.40204743

Gm42637	0.03023439	0.05240689	0.03636583	0.01604106	0.02494138	0.34434814
Adal	0.09358317	0.12403612	0.1080003	0.01603582	0.25460097	0.90650187
Kcnab2	0.02005272	0.04030069	0.02428419	0.0160165	0.00168353	0.03682198
Carm1	0.17422115	0.20789176	0.19188081	0.01601095	0.35533697	0.90650187
Bin3	0.31282068	0.33566318	0.31965283	0.01601035	0.41189788	0.90650187
Tssc1	0.13556018	0.16862611	0.15261726	0.01600885	0.32049188	0.90650187
Zbp1	0.01420028	0.03325483	0.0172646	0.01599022	1.92E-05	0.00064846
Kcne4	0.07843478	0.10739342	0.0914039	0.01598952	0.21837848	0.90650187
Yipf5	0.91895261	0.72991805	0.71393464	0.01598341	0.46035983	0.90650187
Irf5	0.02744763	0.04903301	0.03307536	0.01595764	0.01598277	0.24313303
Mal	0.02811058	0.04981287	0.03385926	0.01595361	0.01810082	0.26975545
Lrrc1	0.1181024	0.15024794	0.1343111	0.01593684	0.29892373	0.90650187
Ift74	0.46224674	0.45418094	0.43825266	0.01592828	0.4358201	0.90650187
Sh2d4a	0.05563198	0.08172721	0.06579983	0.01592738	0.14094244	0.90650187
Baz2a	0.44728758	0.4430811	0.42715603	0.01592508	0.43418098	0.90650187
St3gal2	0.11878683	0.15096026	0.1350358	0.01592446	0.30004879	0.90650187
Hcst	0.01485101	0.03396936	0.01804784	0.01592151	4.39E-05	0.00138567
Upp2	0.11504813	0.1469907	0.13107016	0.01592054	0.29460225	0.90650187
Pot1b	0.04077692	0.06461046	0.04870403	0.01590643	0.07326373	0.77027545
Net1	0.1156968	0.14765535	0.13175943	0.01589592	0.29586405	0.90650187
Npr1	0.0784419	0.10730656	0.09141177	0.01589478	0.21975909	0.90650187
Galnt9	0.01178284	0.03021837	0.01434887	0.0158695	4.40E-07	1.97E-05
Efcab7	0.06974397	0.09759092	0.08173489	0.01585602	0.1942288	0.90650187
Prdm16	0.19270421	0.22589951	0.21005563	0.01584388	0.36869219	0.90650187
Scarf2	0.18156549	0.21497506	0.19914725	0.01582781	0.36192146	0.90650187
Ddr1	0.71015802	0.6172009	0.60137704	0.01582386	0.45343956	0.90650187
Lmbr1	0.16853263	0.20201505	0.18621054	0.01580451	0.35296855	0.90650187
Snx6	1.18780928	0.83450281	0.81869912	0.01580369	0.46580659	0.90650187
Dnajb2	0.49038919	0.47450224	0.45870178	0.01580046	0.43914648	0.90650187
Gm9780	0.08188566	0.11097566	0.09521314	0.01576252	0.23087466	0.90650187

Nt5dc1	0.09511278	0.12539475	0.10965827	0.01573648	0.26174799	0.90650187
Lmbrd1	0.32590525	0.34650574	0.33077	0.01573574	0.41625206	0.90650187
Prom1	0.11406064	0.14574315	0.13001986	0.01572329	0.29542425	0.90650187
Kti12	0.35078306	0.36719877	0.35149718	0.01570159	0.42129255	0.90650187
Apold1	0.05493847	0.08070097	0.06500913	0.01569184	0.14161841	0.90650187
Cgn	0.16734661	0.20069071	0.18502376	0.01566695	0.35329744	0.90650187
Hs3st1	0.10569302	0.13673355	0.12107162	0.01566193	0.28261611	0.90650187
Ppp1r3c	0.11922963	0.15115286	0.13550435	0.01564851	0.30383793	0.90650187
Sppl2a	0.3385259	0.35698937	0.34135097	0.01563839	0.41930662	0.90650187
Slc20a2	0.11799228	0.14982983	0.13419445	0.01563538	0.30223948	0.90650187
Tgm7	0.01042326	0.02833875	0.01270486	0.01563388	2.24E-08	1.22E-06
St8sia6	0.01735597	0.03668356	0.02105649	0.01562707	0.00048462	0.01265759
Gcc2	0.64256005	0.57604896	0.56044269	0.01560627	0.45073927	0.90650187
AB124611	0.01225742	0.03052704	0.01492202	0.01560502	1.67E-06	6.92E-05
Slc9a9	0.0494196	0.07428522	0.05869104	0.01559418	0.11876262	0.90650187
Foxs1	0.10012768	0.13065931	0.11507167	0.01558764	0.27351949	0.90650187
Khk	0.26203102	0.29061475	0.27502799	0.01558676	0.40054083	0.90650187
Tmsb15b1	0.14649988	0.17946269	0.1639032	0.01555949	0.33650309	0.90650187
Rbak	0.09849371	0.12885059	0.11331143	0.01553917	0.27104478	0.90650187
Sec24d	0.39458906	0.40224787	0.38674421	0.01550366	0.42927752	0.90650187
Ccbl1	0.06926858	0.09669854	0.08120285	0.01549569	0.1981239	0.90650187
Efnb2	0.07626709	0.10449018	0.08900239	0.01548779	0.21958248	0.90650187
Mars2	0.04981628	0.07462917	0.0591467	0.01548247	0.12227295	0.90650187
Ncapd2	0.15492007	0.18797409	0.17249404	0.01548005	0.34496135	0.90650187
Tmcc3	0.20769052	0.23999116	0.22452064	0.01547051	0.3796794	0.90650187
Slc35g2	0.26551552	0.29363304	0.27816695	0.01546609	0.40238607	0.90650187
Mex3b	0.16229243	0.19540743	0.1799487	0.01545873	0.35126564	0.90650187
Hopx	0.14920439	0.18210062	0.16667178	0.01542884	0.34034173	0.90650187
N4bp3	0.09558302	0.1255726	0.11016732	0.01540528	0.26708509	0.90650187
Bfar	0.59304218	0.5442697	0.52887221	0.0153975	0.44850924	0.90650187

Gm43194	0.14445165	0.17717948	0.1618008	0.01537868	0.33631486	0.90650187
Hgf	0.050515	0.07531765	0.05994872	0.01536894	0.12720328	0.90650187
Hspa12b	0.16975284	0.2027915	0.18742989	0.01536161	0.35779513	0.90650187
Frmd8	0.09174426	0.12135542	0.10600279	0.01535263	0.25983069	0.90650187
Trmt10b	0.16357327	0.19654871	0.18123754	0.01531117	0.35361821	0.90650187
9130008F23I	0.05166256	0.07657115	0.06126435	0.0153068	0.13334282	0.90650187
Lrrc49	0.16049332	0.1934413	0.17813519	0.01530611	0.35123634	0.90650187
Kctd1	0.11013143	0.14113018	0.12582883	0.01530135	0.29438976	0.90650187
Akr1b7	0.01735736	0.03635145	0.02105816	0.01529329	0.00062203	0.01574394
Map3k15	0.144537	0.1771721	0.1618885	0.0152836	0.33735171	0.90650187
Hsbp1	1.92267157	0.94242219	0.92718141	0.01524078	0.4708729	0.90650187
Mrpl23	1.27975886	0.86069429	0.84546477	0.01522952	0.46808699	0.90650187
Oser1	0.69581782	0.60810173	0.59289236	0.01520937	0.45460208	0.90650187
Dtx4	0.06328487	0.08967039	0.07447777	0.01519261	0.18224235	0.90650187
Aldh5a1	0.14516524	0.17769398	0.16253382	0.01516015	0.33919584	0.90650187
Ubp2	0.39271253	0.40042463	0.38526567	0.01515896	0.43057116	0.90650187
Msc	0.02484234	0.04514444	0.02998808	0.01515636	0.01232431	0.19887672
Ttc7	0.06112235	0.08718271	0.0720344	0.0151483	0.1749255	0.90650187
Zfp536	0.0225064	0.04235906	0.02721081	0.01514825	0.00666426	0.11876141
Pinx1	0.17196868	0.20478787	0.18963991	0.01514795	0.36125595	0.90650187
Rgl1	0.15421629	0.18688997	0.17177916	0.01511081	0.34787484	0.90650187
Nfe2l3	0.06345071	0.08975656	0.07466487	0.01509169	0.18444053	0.90650187
1500015O10	0.04466884	0.06828864	0.05321543	0.01507321	0.10397674	0.90650187
Map4	0.35584172	0.37068223	0.35564729	0.01503494	0.42546288	0.90650187
Evl	0.26640123	0.29398853	0.278963	0.01502553	0.40537849	0.90650187
Lilrb4a	0.01406312	0.03211023	0.01709943	0.0150108	4.76E-05	0.00149446
Lgi4	0.04308923	0.06638671	0.05138719	0.01499952	0.09720587	0.90650187
Pglyrp1	0.04209619	0.06523161	0.05023588	0.01499572	0.09224756	0.90003543
Plek	0.02258618	0.04228769	0.02730581	0.01498188	0.00736049	0.12964872
Ptprn	0.1345499	0.16654589	0.1515679	0.01497799	0.33021617	0.90650187

Spata6	0.15980802	0.19241097	0.17744345	0.01496752	0.35383356	0.90650187
lqck	0.02565439	0.04591378	0.03095153	0.01496225	0.01581537	0.24113279
Sertad1	0.22362405	0.25459495	0.23964126	0.01495369	0.39073374	0.90650187
Psemb10	0.35118572	0.36677732	0.35182829	0.01494903	0.42508877	0.90650187
Nudt2	0.29799885	0.32182475	0.30687636	0.01494839	0.41427878	0.90650187
Bik	0.10576918	0.13607129	0.12115346	0.01491783	0.29205365	0.90650187
Gipr	0.26362528	0.29138124	0.27646558	0.01491566	0.40522483	0.90650187
Nova1	0.04306417	0.06626812	0.05135815	0.01490998	0.09841765	0.90650187
Sec13	1.01997945	0.77377055	0.75886103	0.01490952	0.4651991	0.90650187
Gm16010	0.01533053	0.03353164	0.01862456	0.01490707	0.00018666	0.00524483
Slc43a2	0.26333523	0.29107057	0.27620422	0.01486635	0.40544452	0.90650187
Pcdh9	0.10945337	0.1399576	0.12510365	0.01485395	0.29880498	0.90650187
B3gnt5	0.03316503	0.05465122	0.039813	0.01483822	0.04877306	0.58103391
Fam107b	0.22041883	0.25145761	0.23662064	0.01483697	0.39021617	0.90650187
Cul1	0.71757662	0.62055442	0.60572618	0.01482824	0.4566691	0.90650187
Pkp4	0.33596636	0.35402028	0.33921602	0.01480427	0.42308098	0.90650187
Fes	0.0987004	0.12833829	0.11353424	0.01480405	0.28106683	0.90650187
Rnf6	0.6159434	0.55844923	0.54364672	0.01480251	0.4518274	0.90650187
Scp2	1.44562516	0.89834078	0.88355341	0.01478738	0.47034494	0.90650187
Tex264	0.62163552	0.56204305	0.5472717	0.01477135	0.45224518	0.90650187
Slc46a1	0.04773132	0.07151961	0.0567491	0.01477051	0.1236176	0.90650187
Synpo	0.06991969	0.09668291	0.08193147	0.01475144	0.21173547	0.90650187
Mlx	0.47887796	0.46514525	0.45040357	0.01474168	0.44215633	0.90650187
Gmppb	0.37314113	0.3843984	0.36968149	0.01471692	0.4297627	0.90650187
Trappc1	1.00984139	0.76947054	0.75475442	0.01471612	0.46546296	0.90650187
Fam155a	0.08212594	0.11014648	0.09547775	0.01466873	0.24730303	0.90650187
Gxylt2	0.09190042	0.12083996	0.1061726	0.01466735	0.26956006	0.90650187
Mllt3	0.21177427	0.24307946	0.22842105	0.01465841	0.38771217	0.90650187
Sep-01	0.13340966	0.16503778	0.1503821	0.01465568	0.33241572	0.90650187
Cryba4	0.01155584	0.02872293	0.01407459	0.01464835	1.86E-06	7.61E-05

Gm28875	0.02824423	0.0486481	0.0340172	0.0146309	0.02793368	0.37677004
Thg1l	0.07235574	0.09927951	0.08465208	0.01462743	0.22119094	0.90650187
Rbm4b	0.95753811	0.74702826	0.73240272	0.01462554	0.46463018	0.90650187
Gt(ROSA)26 ⁺	0.27207005	0.29866489	0.28404043	0.01462446	0.40947642	0.90650187
Rab32	0.05572435	0.08052548	0.06590509	0.01462038	0.1620143	0.90650187
Cbx1	1.57530269	0.91968944	0.90507025	0.01461918	0.47137742	0.90650187
Stard9	0.07790662	0.10543599	0.09081939	0.0146166	0.2371556	0.90650187
Zfp251	0.09160692	0.12044963	0.10585341	0.01459622	0.2699353	0.90650187
Dffb	0.07752186	0.10498493	0.09039333	0.0145916	0.23649423	0.90650187
Avpr1b	0.02366347	0.04316534	0.02858758	0.01457776	0.01169627	0.19056267
Scamp2	0.50893171	0.48645188	0.47187813	0.01457375	0.44539659	0.90650187
Snx2	0.92397961	0.73092891	0.71638729	0.01454162	0.46404851	0.90650187
Rnpep	0.5107934	0.48772339	0.47318849	0.0145349	0.44569112	0.90650187
Rab30	0.11546072	0.1460374	0.13150863	0.01452877	0.31166362	0.90650187
Tspan11	0.06190434	0.08742355	0.07291875	0.01450481	0.18826486	0.90650187
Kif2c	0.06345208	0.08915983	0.07466641	0.01449341	0.19408751	0.90650187
Cdc25c	0.07098539	0.09758334	0.08312272	0.01446062	0.21964604	0.90650187
P2ry6	0.01817144	0.03647532	0.02203375	0.01444157	0.0017854	0.03877115
Dnah2	0.02449267	0.04400204	0.0295729	0.01442914	0.0150379	0.23136755
Gm10334	0.02664849	0.04653904	0.03212953	0.01440951	0.02308838	0.32228332
Wscd1	0.07953271	0.10702275	0.09261768	0.01440507	0.24464559	0.90650187
Slfn5	0.02399163	0.04337768	0.02897766	0.01440002	0.01358114	0.21437892
Gnptab	0.07203166	0.09867855	0.08429065	0.01438791	0.22397463	0.90650187
Rcbtb2	0.39010204	0.39757762	0.38320433	0.01437329	0.43378475	0.90650187
Oasl1	0.01101709	0.0277943	0.0134233	0.014371	9.71E-07	4.17E-05
Dusp7	0.1226715	0.15350225	0.1391382	0.01436405	0.32313645	0.90650187
Gm17056	0.02043673	0.03909602	0.02474285	0.01435316	0.00495625	0.0930123
Cyp2d22	0.08827142	0.11655818	0.10221755	0.01434063	0.26641331	0.90650187
Pkn3	0.01982006	0.03833899	0.02400618	0.01433281	0.00397443	0.07696215
Cdca7l	0.09930569	0.12849885	0.11418643	0.01431241	0.28868741	0.90650187

Tmem254c	0.0135989	0.03085044	0.01654015	0.01431029	6.00E-05	0.00185646
Zbtb8os	0.3362332	0.35373597	0.33943885	0.01429712	0.42573294	0.90650187
Tsix	0.32765336	0.34654029	0.33224369	0.0142966	0.42414664	0.90650187
Stard4	0.15738724	0.18928867	0.17499563	0.01429304	0.35826446	0.90650187
Fhl4	0.02501987	0.04448734	0.0301988	0.01428854	0.01771388	0.26555099
Dync2h1	0.34894535	0.36424849	0.3499843	0.0142642	0.42810996	0.90650187
Zcchc12	0.03137806	0.05196883	0.03771267	0.01425616	0.04642712	0.55859172
Dclk1	0.05792622	0.08266602	0.06841049	0.01425553	0.17712289	0.90650187
Gulp1	0.12491548	0.15575427	0.14149957	0.0142547	0.32713024	0.90650187
Gm5239	0.03265863	0.05347164	0.03921831	0.01425333	0.0530805	0.61929297
H2-T22	0.25295804	0.28103251	0.26680026	0.01423225	0.40627123	0.90650187
Homer2	0.11222118	0.14229101	0.1280602	0.01423081	0.31064529	0.90650187
Pigs	0.48524321	0.46923333	0.45500317	0.01423016	0.44471097	0.90650187
Sfxn3	0.21043846	0.24134954	0.22714712	0.01420242	0.39052058	0.90650187
Hivep2	0.13877222	0.17013448	0.15594554	0.01418895	0.34292609	0.90650187
Capn15	0.14032995	0.17173768	0.15755526	0.01418242	0.34451433	0.90650187
Zdhhc20	0.64402768	0.57553451	0.56135714	0.01417738	0.45530222	0.90650187
Gkap1	0.36548496	0.37767361	0.36350067	0.01417294	0.43119415	0.90650187
C1rb	0.04969989	0.0731751	0.05901303	0.01416207	0.14301611	0.90650187
Cwc27	0.27219297	0.29828357	0.28415016	0.01413341	0.41249908	0.90650187
Zfhx4	0.16444326	0.19624497	0.18211193	0.01413304	0.3650445	0.90650187
Thsd1	0.05366108	0.07767888	0.06355082	0.01412806	0.1615009	0.90650187
Hist1h1e	0.1999214	0.23116948	0.21705213	0.01411735	0.38623407	0.90650187
Brip1	0.02691801	0.04656371	0.03244863	0.01411508	0.02656712	0.36251953
Slc29a3	0.05920108	0.08396977	0.0698578	0.01411197	0.18457775	0.90650187
S100a4	0.05649679	0.08089205	0.06678484	0.01410722	0.17384937	0.90650187
Rragd	0.06763805	0.09343276	0.07937549	0.01405726	0.21555041	0.90650187
Med11	0.21594887	0.24642817	0.23239037	0.0140378	0.39414112	0.90650187
Zfp229	0.05064325	0.07412685	0.06009585	0.014031	0.14964737	0.90650187
Hps6	0.09203181	0.12032237	0.10631545	0.01400692	0.27903766	0.90650187

Ahi1	0.36696628	0.37869607	0.36470038	0.01399569	0.43226757	0.90650187
Gm6710	0.1551821	0.18675068	0.17276006	0.01399062	0.35941668	0.90650187
Slc7a7	0.05831706	0.08284295	0.06885446	0.01398849	0.18321771	0.90650187
Bmx	0.01734606	0.03501192	0.0210446	0.01396731	0.00158604	0.03499177
Qprt	0.04467928	0.06719074	0.0532275	0.01396324	0.1217624	0.90650187
Terf2ip	0.34644105	0.36186911	0.34791815	0.01395096	0.42925874	0.90650187
Sertad2	0.35336838	0.36754543	0.3536208	0.01392463	0.43051784	0.90650187
Rnf13	0.40025359	0.40511055	0.39118913	0.01392142	0.43714655	0.90650187
Aspa	0.01219001	0.0287571	0.01484064	0.01391646	1.53E-05	0.0005351
Itga2	0.01232435	0.02891664	0.01500282	0.01391382	1.87E-05	0.00063611
Etohi1	0.02691893	0.04635067	0.03244973	0.01390095	0.02842728	0.38274854
Alg14	0.25447582	0.28207586	0.26818216	0.0138937	0.40892417	0.90650187
Tox	0.43471265	0.43158702	0.41770148	0.01388554	0.44125658	0.90650187
Acaca	0.17198008	0.20353364	0.18965127	0.01388237	0.37243313	0.90650187
Serpina1a	0.02392988	0.04277352	0.02890427	0.01386925	0.0164561	0.2489047
Ppt1	0.51405612	0.48934833	0.47547956	0.01386878	0.44841402	0.90650187
Mrps25	0.40366999	0.40771919	0.39385794	0.01386125	0.43783658	0.90650187
Mutyh	0.0333402	0.05386684	0.04001861	0.01384823	0.0619781	0.6859224
Azin1	0.60698915	0.55175173	0.53790533	0.01384641	0.45444614	0.90650187
Tlr4	0.03284828	0.05328565	0.03944107	0.01384459	0.05932145	0.66402454
Zdhhc9	0.10242956	0.13138982	0.11755803	0.01383179	0.30046398	0.90650187
BC022687	0.23703864	0.26599337	0.25216782	0.01382555	0.40371675	0.90650187
Flot1	0.29725191	0.32004926	0.30622731	0.01382195	0.42048301	0.90650187
Adamts10	0.22704567	0.25665543	0.24285359	0.01380184	0.4002684	0.90650187
Akr1b8	0.07941187	0.10628321	0.09248418	0.01379904	0.25356806	0.90650187
Slc7a8	0.15964561	0.19106194	0.17727944	0.0137825	0.36481362	0.90650187
Spata1	0.04623071	0.06877079	0.05501939	0.01375139	0.13325783	0.90650187
lfit2	0.05005243	0.07315937	0.05941785	0.01374151	0.151944	0.90650187
1700034P13I	0.0117798	0.02808498	0.0143452	0.01373978	1.03E-05	0.00036977
Emg1	1.15348557	0.82140498	0.80767851	0.01372647	0.46988738	0.90650187

Slc33a1	0.32617768	0.3447141	0.33099984	0.01371426	0.42693061	0.90650187
Zbtb49	0.04226061	0.06413745	0.05042661	0.01371084	0.11338017	0.90650187
Tbx2	0.08861758	0.1162987	0.1025956	0.0137031	0.2763317	0.90650187
mt-Nd6	0.15950496	0.19080837	0.17713737	0.013671	0.3657615	0.90650187
Dbf4	0.13158467	0.16214148	0.14848096	0.01366052	0.34126842	0.90650187
Tns2	0.12382367	0.15401183	0.14035142	0.0136604	0.33261969	0.90650187
H2-T23	0.14705285	0.17811204	0.16446996	0.01364208	0.35615927	0.90650187
Cwf1912	0.36575929	0.3773632	0.36372298	0.01364022	0.43379608	0.90650187
Tmem160	0.70491857	0.6118839	0.59828881	0.01359509	0.45976778	0.90650187
Lsm5	0.98376368	0.75753551	0.74394146	0.01359405	0.46762769	0.90650187
Clcn5	0.27893104	0.30372728	0.29014334	0.01358393	0.41756199	0.90650187
Mfsd1	0.26860137	0.29450477	0.28093721	0.01356756	0.41500229	0.90650187
Tmlhe	0.01528792	0.03213552	0.01857334	0.01356219	0.00058485	0.01491667
Smc6	1.14087054	0.81710362	0.80354292	0.0135607	0.47009754	0.90650187
Pccb	0.30238618	0.32422588	0.31067861	0.01354727	0.4231457	0.90650187
Foxo3	0.25196485	0.27943831	0.26589478	0.01354353	0.41042965	0.90650187
Tnfaip8l1	0.07801508	0.10444042	0.09093945	0.01350097	0.254627	0.90650187
Slc31a2	0.29540593	0.31811547	0.30462071	0.01349477	0.42193671	0.90650187
Gimap9	0.07883397	0.10532731	0.0918454	0.01348191	0.25701779	0.90650187
Erccl	0.30093351	0.32290169	0.30942157	0.01348012	0.42321507	0.90650187
Cgnl1	0.16344884	0.19458731	0.18111242	0.01347489	0.37041431	0.90650187
Angptl6	0.09426177	0.12220024	0.10873625	0.013464	0.29099982	0.90650187
Hoxd3os1	0.02160099	0.03958173	0.026132	0.01344972	0.01106636	0.18185916
Il6ra	0.15647005	0.18748579	0.17406646	0.01341932	0.36590247	0.90650187
Fam177a	0.43947943	0.43470414	0.42129917	0.01340496	0.44375683	0.90650187
Ruvbl2	0.51362683	0.48858133	0.4751785	0.01340283	0.4501065	0.90650187
Gm13470	0.03717686	0.05787539	0.0445102	0.0133652	0.09095545	0.89373869
Fbrs	0.17578265	0.20678384	0.19343072	0.01335312	0.37946204	0.90650187
Abhd5	0.21520187	0.24502532	0.23168142	0.0133439	0.39895658	0.90650187
Tubg1	0.57341946	0.52930798	0.51596666	0.01334133	0.45424244	0.90650187

Plekhg4	0.01067686	0.02634604	0.01301175	0.0133343	2.61E-06	0.00010438
Ppp1r11	0.9140499	0.72486495	0.71153324	0.01333171	0.46680827	0.90650187
Smim15	0.56487501	0.52359559	0.51027513	0.01332046	0.45380637	0.90650187
Lgr4	0.13791334	0.16837543	0.15505677	0.01331866	0.35128374	0.90650187
Ctrc	0.01289595	0.02900536	0.0156926	0.01331275	8.12E-05	0.00243827
Morn5	0.01702093	0.03396665	0.02065467	0.01331198	0.0020837	0.04417626
Mxra7	0.29137412	0.31440174	0.30110061	0.01330113	0.42215451	0.90650187
Bvht	0.05181201	0.07471994	0.06143554	0.0132844	0.16820381	0.90650187
Ccdc184	0.12874593	0.15875513	0.14551585	0.01323928	0.34293401	0.90650187
Elfn1	0.02570115	0.04423924	0.03100696	0.01323228	0.0289027	0.38709249
NrOb2	0.03389205	0.05389702	0.04066608	0.01323094	0.07403204	0.77635035
Irgm1	0.08077691	0.10721956	0.0939911	0.01322846	0.26576181	0.90650187
Ska3	0.04915171	0.07157983	0.05838319	0.01319664	0.15748152	0.90650187
Wwc2	0.20334795	0.23354993	0.22035393	0.013196	0.39503206	0.90650187
Gja5	0.01367901	0.02982221	0.01663669	0.01318552	0.00021303	0.00593082
St6galnac4	0.20798037	0.23797749	0.22479805	0.01317945	0.39718633	0.90650187
Abhd12	0.32039081	0.33927625	0.3261037	0.01317255	0.42874321	0.90650187
Ncs1	0.1835814	0.21430107	0.20113144	0.01316963	0.38549192	0.90650187
Dlst	0.41770281	0.41789228	0.40472746	0.01316482	0.44251138	0.90650187
Mir143hg	0.05937537	0.08321939	0.07005547	0.01316391	0.20175741	0.90650187
C1qtnf9	0.02183983	0.03957078	0.02641672	0.01315406	0.0134259	0.21259066
Enah	0.61696752	0.55745376	0.54430052	0.01315324	0.45722399	0.90650187
Rhbdf1	0.21732158	0.24682434	0.23369165	0.01313269	0.40136009	0.90650187
Zfp235	0.11835024	0.14769161	0.13457359	0.01311802	0.33238003	0.90650187
Papss1	0.85777495	0.69612175	0.6830175	0.01310425	0.46601438	0.90650187
Bub1b	0.07061829	0.09580463	0.08271256	0.01309207	0.24081976	0.90650187
Asah2	0.03499941	0.05505491	0.04196386	0.01309105	0.08274348	0.83684877
Slc8b1	0.0650174	0.08951355	0.07643036	0.01308319	0.22333156	0.90650187
Abcg1	0.16922872	0.19998615	0.18690634	0.01307981	0.37786	0.90650187
Dpagt1	0.19637808	0.22669345	0.21362426	0.01306919	0.39282061	0.90650187

Ddx55	0.2690027	0.29435484	0.28129683	0.01305801	0.41825159	0.90650187
Lrrc41	0.46375342	0.45238249	0.43936161	0.01302089	0.44759116	0.90650187
Mdh1	1.75303715	0.93480208	0.92178396	0.01301813	0.47496918	0.90650187
Bnip2	0.55764948	0.51843732	0.5054265	0.01301082	0.45444451	0.90650187
Gm10146	0.18116208	0.21174677	0.19874965	0.01299711	0.38563362	0.90650187
Slc25a53	0.28142636	0.3053473	0.29235211	0.0129952	0.42167534	0.90650187
Mboat1	0.08672672	0.11352062	0.10052847	0.01299215	0.28280004	0.90650187
Svep1	0.1118269	0.14063017	0.12763962	0.01299055	0.32547144	0.90650187
Zswim7	0.19167739	0.22202996	0.20905564	0.01297432	0.39131193	0.90650187
Eya2	0.06579223	0.09027215	0.07730217	0.01296997	0.22786505	0.90650187
Acbd7	0.0290262	0.04790846	0.03494076	0.0129677	0.04948011	0.58758681
Irf2bp2	0.52078778	0.49315028	0.48018405	0.01296624	0.4522245	0.90650187
Nfil3	0.13197861	0.16185699	0.14889167	0.01296532	0.34933427	0.90650187
Abca9	0.03168619	0.05103788	0.03807519	0.01296269	0.06507561	0.70962289
Zfp266	0.37021385	0.38025061	0.36732437	0.01292623	0.43784234	0.90650187
Cnp	0.29566994	0.31777563	0.3048507	0.01292493	0.42524904	0.90650187
Gclm	0.47920301	0.46355868	0.45063912	0.01291955	0.44929099	0.90650187
Ccl24	0.01707579	0.03362526	0.02072048	0.01290478	0.0028137	0.05720839
Slc35a2	0.42947626	0.42662583	0.41373035	0.01289548	0.44489725	0.90650187
Prss12	0.07146058	0.09654817	0.08365336	0.01289481	0.24658635	0.90650187
Sh2d3c	0.32168154	0.3400607	0.32719848	0.01286222	0.43063512	0.90650187
Tyk2	0.05216685	0.074701	0.06184186	0.01285914	0.17763882	0.90650187
Igsf8	0.60160745	0.54726474	0.53443287	0.01283187	0.45749756	0.90650187
Zcchc9	0.6934374	0.6042975	0.59147402	0.01282347	0.46160815	0.90650187
Tbxas1	0.01029634	0.02534281	0.01255124	0.01279157	2.94E-06	0.00011596
Tmod2	0.27084631	0.29571966	0.28294691	0.01277275	0.42047324	0.90650187
Deptor	0.2866073	0.30968612	0.29691976	0.01276636	0.42420667	0.90650187
Numbl	0.21245928	0.24183765	0.22907361	0.01276404	0.4021793	0.90650187
Sptlc2	0.38946221	0.3954582	0.38269828	0.01275992	0.44108249	0.90650187
Fam72a	0.03817552	0.05842443	0.04567557	0.01274886	0.10733097	0.90650187

L1cam	0.03164768	0.05077637	0.03802989	0.01274648	0.06810768	0.73292957
Fam129a	0.05452841	0.07726936	0.06454125	0.01272811	0.19032124	0.90650187
Itpripl2	0.10191937	0.12972554	0.11700753	0.01271801	0.31447315	0.90650187
Tll1	0.01061249	0.02564059	0.01293387	0.01270672	6.28E-06	0.00023125
Fmnl3	0.09642696	0.12378599	0.11108014	0.01270585	0.30554828	0.90650187
Thnsl2	0.04321074	0.06422249	0.05152796	0.01269453	0.13670835	0.90650187
Isl2	0.02239224	0.03974452	0.02707486	0.01266966	0.01874821	0.27607614
Epb41l4aos	0.34234014	0.35718785	0.34452228	0.01266558	0.43508892	0.90650187
Tmem41a	0.15056635	0.1807254	0.16806255	0.01266285	0.36882807	0.90650187
CAA011473	0.02049407	0.03745059	0.02481132	0.01263927	0.01176674	0.19120241
Bdnf	0.09914656	0.12665234	0.11401502	0.01263732	0.31109573	0.90650187
Il16	0.02359054	0.04109738	0.02850086	0.01259651	0.0247174	0.34157204
Srxn1	0.09956791	0.12706337	0.11446882	0.01259456	0.3123739	0.90650187
Zbtb7a	0.74405315	0.63360706	0.62102472	0.01258234	0.46411552	0.90650187
Prim1	0.20442851	0.23397138	0.22139257	0.01257881	0.40029448	0.90650187
Rnf170	0.21682509	0.24578907	0.23322121	0.01256786	0.40533358	0.90650187
Msx1	0.05622808	0.07904048	0.0664789	0.01256157	0.20044774	0.90650187
D830030K20	0.01997857	0.03675292	0.02419559	0.01255733	0.01052083	0.17440259
Lpgat1	0.30566681	0.326054	0.31351051	0.01254349	0.4294134	0.90650187
Ssx2ip	0.16121196	0.19139936	0.17886003	0.01253934	0.3776464	0.90650187
Tatdn3	0.09244073	0.11928023	0.10675988	0.01252034	0.30105741	0.90650187
St3gal1	0.1390456	0.16873969	0.15622825	0.01251144	0.36091151	0.90650187
Plekhb2	0.14559379	0.17548396	0.16297375	0.01251021	0.36645614	0.90650187
Rexo2	0.80804368	0.66913453	0.65662728	0.01250725	0.46625843	0.90650187
1810043G02	0.44714615	0.43955644	0.42705036	0.01250608	0.44820859	0.90650187
Lnx1	0.08502354	0.11116544	0.09866221	0.01250323	0.28658773	0.90650187
Ptprs	0.50414591	0.48097049	0.46849927	0.01247121	0.45289922	0.90650187
Cmtm5	0.01866855	0.03509984	0.02262895	0.01247089	0.00714305	0.12611093
Slc37a3	0.31578205	0.33463469	0.3221823	0.01245239	0.43178821	0.90650187
E2f2	0.03371883	0.052909	0.04046289	0.01244611	0.08574404	0.85918035

Clip3	0.3367453	0.35230781	0.33986633	0.01244149	0.43536145	0.90650187
Plcg2	0.01509617	0.0307753	0.01834274	0.01243255	0.00129257	0.0294137
Rfc3	0.35013252	0.36339386	0.35096194	0.01243191	0.43743563	0.90650187
Sgol1	0.08242616	0.10821797	0.09580824	0.01240973	0.28236676	0.90650187
Slc16a1	0.09197046	0.1186405	0.10624875	0.01239175	0.30205848	0.90650187
Gm26772	0.0135757	0.02888773	0.01651219	0.01237553	0.0004313	0.0113625
Nrxn3	0.04256657	0.06315316	0.05078142	0.01237175	0.13938834	0.90650187
Cpsf3l	0.40338896	0.40601012	0.39363874	0.01237138	0.44444155	0.90650187
Ilgam	0.01588227	0.03165667	0.01928769	0.01236899	0.00217965	0.04576364
Mrpl41	0.93672758	0.7349202	0.72256371	0.01235649	0.46970004	0.90650187
Ung	0.14317797	0.17284292	0.16049097	0.01235195	0.36611919	0.90650187
St6gal1	0.15006604	0.17990059	0.1675519	0.01234868	0.37159041	0.90650187
Prkd3	0.23099332	0.25889293	0.24654507	0.01234786	0.4119032	0.90650187
Mtmr11	0.04067438	0.06090472	0.04858485	0.01231987	0.12980958	0.90650187
Fbxo6	0.22611625	0.25428904	0.2419822	0.01230685	0.41056308	0.90650187
Angptl4	0.11776246	0.14624352	0.13395096	0.01229257	0.341648	0.90650187
Hes7	0.02946753	0.0477114	0.03546158	0.01224983	0.06230749	0.68782581
Dhcr24	0.14819572	0.17787851	0.16564021	0.0122383	0.37128083	0.90650187
Bcl2a1b	0.01368526	0.02887971	0.01664422	0.01223549	0.00054145	0.01390299
Tcaf1	0.57950704	0.53222258	0.51999453	0.01222805	0.45836975	0.90650187
Edaradd	0.01958973	0.03595704	0.02373087	0.01222618	0.01099958	0.18115337
Ifngr1	0.34633671	0.36004991	0.34783195	0.01221796	0.4379548	0.90650187
Gm4631	0.12495102	0.15375366	0.14153691	0.01221674	0.35059223	0.90650187
Ntrk1	0.12081304	0.14938702	0.13717787	0.01220915	0.34617446	0.90650187
Taf13	0.3107157	0.33004502	0.31785018	0.01219484	0.4322837	0.90650187
Ptk2	0.1830377	0.21277145	0.20059673	0.01217472	0.39365124	0.90650187
Dapk1	0.36724301	0.37709797	0.3649243	0.01217367	0.44105187	0.90650187
Kdm7a	0.49745282	0.47592208	0.46374868	0.0121734	0.45355002	0.90650187
2310010G23	0.0260396	0.04353702	0.03140818	0.01212884	0.04301229	0.52685717
Tmbim1	0.39584131	0.39985661	0.38772914	0.01212747	0.4447051	0.90650187

Gng3	0.0435059	0.0639875	0.05186981	0.01211768	0.14950227	0.90650187
Aktip	0.41151145	0.41205294	0.39995001	0.01210293	0.44649217	0.90650187
Tufm	0.41475922	0.41455207	0.40245967	0.0120924	0.44686982	0.90650187
Ccng1	0.28174516	0.30470019	0.29263388	0.01206632	0.42727823	0.90650187
Sec14l1	0.37677564	0.38466015	0.37259837	0.01206179	0.44278437	0.90650187
Lepr	0.08051747	0.1057637	0.0937049	0.0120588	0.28362675	0.90650187
Magi3	0.12076499	0.14918113	0.13712713	0.012054	0.34797774	0.90650187
Smg6	0.40042988	0.40337859	0.39132706	0.01205153	0.44555121	0.90650187
Cacna1a	0.42633453	0.42337467	0.41133814	0.01203654	0.44824884	0.90650187
Plcd1	0.12708349	0.15579193	0.14377494	0.01201699	0.35510557	0.90650187
Ch25h	0.02502378	0.04221636	0.03020344	0.01201292	0.03851651	0.48267882
Fam13a	0.07323996	0.09764398	0.08563747	0.01200651	0.26654997	0.90650187
AU019823	0.36961828	0.3788471	0.36684379	0.0120033	0.44217292	0.90650187
Fance	0.22474778	0.25269594	0.24069757	0.01199837	0.41231033	0.90650187
Dand5	0.07827634	0.10319952	0.0912286	0.01197092	0.27982956	0.90650187
Pik3r6	0.02767144	0.0452995	0.03334008	0.01195942	0.05539153	0.63691881
Qsox1	0.47188102	0.45727389	0.44531575	0.01195814	0.45248771	0.90650187
Trappc6b	0.91291459	0.72292293	0.71097165	0.01195128	0.47021489	0.90650187
Snrnp25	0.25808542	0.28341032	0.27145967	0.01195066	0.42241779	0.90650187
Hoxb7	0.06671201	0.09028027	0.07833594	0.01194433	0.2489343	0.90650187
Rassf8	0.12934037	0.15807661	0.14613756	0.01193905	0.35822987	0.90650187
Vangl1	0.18767517	0.21708546	0.2051472	0.01193827	0.39793098	0.90650187
Rem2	0.256038	0.28151322	0.26960215	0.01191106	0.4221456	0.90650187
Abcf2	0.4203962	0.41870616	0.40679666	0.0119095	0.44822354	0.90650187
Ip6k2	0.73238181	0.62623045	0.61432266	0.01190779	0.46566488	0.90650187
Cdca5	0.03535851	0.05427787	0.0423843	0.01189356	0.10610846	0.90650187
1810062018	0.04156673	0.06151437	0.04962143	0.01189294	0.1433263	0.90650187
Smarcc1	0.87918419	0.7059298	0.69403776	0.01189204	0.46964051	0.90650187
Prr15l	0.24609107	0.27240816	0.26051974	0.01188842	0.4196189	0.90650187
Bri3	1.20423236	0.8355867	0.82370603	0.01188067	0.47443697	0.90650187

Sstr5	0.01171756	0.02613865	0.01427001	0.01186865	0.00010887	0.00318861
Anp32e	0.88057526	0.70661086	0.69474699	0.01186387	0.46974315	0.90650187
Lix1l	0.1772193	0.20671577	0.19485433	0.01186144	0.39334201	0.90650187
Ptpre	0.01984996	0.03589056	0.02404191	0.01184865	0.01422796	0.22228087
Muc16	0.02938158	0.04720452	0.03536016	0.01184435	0.0682286	0.73296321
Zc3hav1	0.08981013	0.11571924	0.10389675	0.01182249	0.30647434	0.90650187
Ly96	0.14300433	0.17213201	0.16031226	0.01181975	0.37154187	0.90650187
Cyp39a1	0.10195968	0.12885431	0.11705104	0.01180328	0.32697219	0.90650187
Dusp18	0.2926667	0.31402274	0.30223074	0.011792	0.43114799	0.90650187
Bmp4	0.08326401	0.10850819	0.0967299	0.01177829	0.29414423	0.90650187
Cep70	0.29053673	0.31214576	0.30036765	0.01177811	0.43080603	0.90650187
Rnf31	0.10547694	0.1326118	0.12083939	0.01177241	0.33247119	0.90650187
Shprh	0.21233446	0.24072459	0.22895474	0.01176985	0.40961525	0.90650187
Gm10941	0.21994294	0.24793854	0.23617124	0.0117673	0.41235019	0.90650187
Dcaf7	0.4451641	0.43732907	0.42556801	0.01176106	0.4511092	0.90650187
Evi2a	0.01987781	0.03583564	0.02407519	0.01176045	0.01494194	0.23049408
Iqgap3	0.03929052	0.05872365	0.04697489	0.01174876	0.1330953	0.90650187
Nudcd2	0.75865588	0.64106043	0.62931724	0.01174318	0.4669433	0.90650187
Cyb5rl	0.14098222	0.16996044	0.15822845	0.011732	0.37084219	0.90650187
Nip7	0.43785318	0.43179415	0.42007362	0.01172054	0.45064279	0.90650187
Sp100	0.02959007	0.04732629	0.03560613	0.01172016	0.07168964	0.75994015
Ino80b	0.51964436	0.49109287	0.47938726	0.01170561	0.45677883	0.90650187
Dock10	0.07775768	0.10234747	0.09065448	0.01169298	0.28318275	0.90650187
Mxd4	0.64641355	0.57453403	0.56284125	0.01169278	0.46320779	0.90650187
Slc46a3	0.02023488	0.03618566	0.02450179	0.01168387	0.01700632	0.25620715
Ptprm	0.04899662	0.06988829	0.05820492	0.01168338	0.18610024	0.90650187
Spred2	0.10754677	0.13472445	0.12306151	0.01166294	0.33675898	0.90650187
Tab3	0.05823564	0.08042159	0.06876199	0.0116596	0.22547947	0.90650187
Ephb6	0.039211	0.05854177	0.04688229	0.01165948	0.13444796	0.90650187
Rfx6	0.30675105	0.32609725	0.31444434	0.0116529	0.43457099	0.90650187

Neil3	0.05980255	0.0821883	0.07053979	0.0116485	0.23143789	0.90650187
Slc22a21	0.01789034	0.03333544	0.02169699	0.01163844	0.00854748	0.14714629
Ttc12	0.04237095	0.06218656	0.05055459	0.01163196	0.15318298	0.90650187
Gm4890	0.07697483	0.10141704	0.08978721	0.01162983	0.28236706	0.90650187
Pappa	0.07934076	0.10402667	0.0924056	0.01162107	0.2880515	0.90650187
Cdk1	0.08461067	0.1098224	0.09820919	0.01161321	0.29955127	0.90650187
Lmntd1	0.04188006	0.06159372	0.04998511	0.01160861	0.1509299	0.90650187
Psat1	0.18545787	0.21457276	0.2029744	0.01159836	0.39973592	0.90650187
Ccdc67	0.01181402	0.02597538	0.01438654	0.01158884	0.00017109	0.00486106
Nfe2l2	0.66997421	0.58891979	0.57733394	0.01158586	0.46445599	0.90650187
Gnpnat1	0.49141481	0.47102205	0.45943682	0.01158523	0.45537162	0.90650187
Zg16	0.01284842	0.02721577	0.01563526	0.01158051	0.00049613	0.01289414
Sult1d1	0.07624389	0.10054652	0.08897665	0.01156986	0.28160721	0.90650187
A830018L16I	0.02922273	0.04673757	0.03517272	0.01156485	0.0719086	0.76173001
Exoc1	0.26385851	0.28822095	0.2766757	0.01154525	0.42641519	0.90650187
Ripply3	0.20507313	0.23355594	0.2220116	0.01154433	0.40859288	0.90650187
Arid5a	0.07058091	0.09421041	0.08267078	0.01153963	0.26745057	0.90650187
A930033H14	0.043198	0.06303835	0.0515132	0.01152514	0.15995966	0.90650187
4930404N11	0.02531307	0.04206466	0.0305467	0.01151796	0.04684334	0.56245304
Rad50	0.22987912	0.25701096	0.24550476	0.0115062	0.41747608	0.90650187
Ngb	0.05198463	0.07313868	0.06163323	0.01150545	0.20330105	0.90650187
Its1n1	0.17244272	0.2016166	0.19011201	0.01150459	0.39395519	0.90650187
Mvb12a	0.50392283	0.47983786	0.46834141	0.01149644	0.45655091	0.90650187
Hat1	0.3471399	0.35999146	0.34849525	0.0114962	0.44170328	0.90650187
Cers6	0.30403587	0.32359875	0.31210385	0.0114949	0.43497056	0.90650187
Tmed1	0.69048707	0.60120171	0.58971201	0.0114897	0.46548824	0.90650187
Cd68	0.02291117	0.03917966	0.02769268	0.01148699	0.03258809	0.42461821
Klhl24	0.21363244	0.24167034	0.23019007	0.01148026	0.41226763	0.90650187
Hck	0.02529047	0.04199208	0.03051988	0.0114722	0.04735389	0.56723915
Rasl11a	0.07974657	0.10432197	0.09285391	0.01146806	0.29148173	0.90650187

Gm33370	0.0188283	0.03426677	0.02282015	0.01144662	0.0128763	0.20646902
Zfp423	0.10394698	0.13063626	0.11919342	0.01144284	0.33476671	0.90650187
Arid5b	0.46065244	0.44851435	0.43707748	0.01143687	0.45369678	0.90650187
Zfp462	0.12558844	0.15363781	0.14220646	0.01143135	0.36041015	0.90650187
E430025E21l	0.14240577	0.17109871	0.15969594	0.01140277	0.37545883	0.90650187
Asxl3	0.15249608	0.18142624	0.17002943	0.01139681	0.38285843	0.90650187
Cd84	0.01345463	0.02775659	0.01636628	0.01139032	0.00098746	0.02349052
Mfsd2a	0.0202222	0.03587687	0.02448664	0.01139023	0.01932362	0.28165907
Stat2	0.0473471	0.06769571	0.05630655	0.01138915	0.18426907	0.90650187
Zcwpw1	0.09481124	0.12071933	0.10933168	0.01138764	0.32166771	0.90650187
Borcs7	0.48797572	0.46834373	0.45696933	0.0113744	0.45594483	0.90650187
Kras	0.73118095	0.62499281	0.61362931	0.0113635	0.46719374	0.90650187
Csf1	0.12679292	0.15482613	0.1434703	0.01135583	0.36246618	0.90650187
Ackr4	0.05113621	0.07199691	0.06066116	0.01133575	0.20305731	0.90650187
Syt11	0.15311812	0.18197128	0.17066254	0.01130874	0.38415644	0.90650187
Higd1b	0.0154658	0.03009239	0.01878719	0.01130519	0.00373487	0.07316198
Ccdc120	0.05178211	0.07270216	0.06140129	0.01130086	0.20661844	0.90650187
Tll1	0.24108857	0.26720146	0.25591433	0.01128713	0.42227614	0.90650187
Tceal5	0.0672996	0.09027159	0.0789957	0.01127588	0.26285514	0.90650187
Ncald	0.23124011	0.25803041	0.24677532	0.01125509	0.41966205	0.90650187
Zcchc24	0.13363111	0.16185723	0.15061252	0.01124471	0.36997924	0.90650187
Cfh	0.01273643	0.02672524	0.01550015	0.01122509	0.00064213	0.0162143
Apln	0.04464313	0.06440982	0.0531857	0.01122412	0.17407474	0.90650187
Sned1	0.10404441	0.1304719	0.11929832	0.01117358	0.3385663	0.90650187
Gcat	0.32083349	0.33764706	0.32647939	0.01116766	0.43956669	0.90650187
Ttpa	0.01994043	0.03530496	0.02415002	0.01115493	0.02001532	0.28866497
Stam2	0.31185872	0.32997653	0.31882951	0.01114702	0.43824169	0.90650187
Edn1	0.03003556	0.04726973	0.03613146	0.01113827	0.08527322	0.85616789
Rnase6	0.01324709	0.02725198	0.01611607	0.0111359	0.00106375	0.02510886
AF251705	0.01574344	0.0302488	0.01912089	0.01112792	0.00483739	0.09134554

Th	0.10396787	0.13034279	0.11921591	0.01112688	0.33909817	0.90650187
Tnfaip2	0.03826605	0.05690463	0.04578114	0.01112348	0.14003712	0.90650187
Fam45a	0.30578345	0.32472399	0.31361102	0.01111297	0.43741266	0.90650187
Pbld2	0.0753831	0.09911171	0.08802112	0.01109059	0.28769109	0.90650187
Senp8	0.16048361	0.18921055	0.1781254	0.01108515	0.39102049	0.90650187
Slc26a7	0.05240938	0.07319932	0.06211948	0.01107984	0.21390823	0.90650187
BC049730	0.04103467	0.0600605	0.04900353	0.01105697	0.15790878	0.90650187
Cacybp	1.60235365	0.91928926	0.90825255	0.01103671	0.47845914	0.90650187
Ocel1	0.21185665	0.23953533	0.22849956	0.01103577	0.41499747	0.90650187
Mul1	0.20289455	0.23093825	0.21991774	0.01102051	0.41185412	0.90650187
Eps15	0.22665692	0.25350063	0.24248922	0.01101142	0.42000737	0.90650187
Hsd1l	0.23740681	0.26351518	0.25250908	0.01100611	0.42317779	0.90650187
Psd	0.12424888	0.15179407	0.14079877	0.0109953	0.3642327	0.90650187
Mga	0.51725654	0.48868655	0.47772021	0.01096634	0.45935793	0.90650187
Reg1	0.01734063	0.03198706	0.0210381	0.01094896	0.01034349	0.17240278
Nckap1l	0.01578303	0.03007575	0.01916846	0.0109073	0.00570877	0.10455304
Ccdc138	0.03099479	0.04814557	0.03726154	0.01088403	0.09704849	0.90650187
Hook1	0.25717591	0.28150009	0.27063502	0.01086507	0.42917462	0.90650187
Fdx1l	0.41233038	0.41143866	0.40058357	0.0108551	0.45205623	0.90650187
C030039L03F	0.04717141	0.06694948	0.05610411	0.01084537	0.19506798	0.90650187
Mtus1	0.10224243	0.12817519	0.11735616	0.01081903	0.34096195	0.90650187
Batf	0.01592231	0.03015422	0.01933579	0.01081843	0.00643532	0.11553978
Alkbh4	0.13176816	0.15945644	0.14867228	0.01078415	0.37354895	0.90650187
Sema4b	0.20816592	0.23575163	0.22497559	0.01077605	0.41568731	0.90650187
Yaf2	0.4271161	0.42269893	0.41193392	0.01076501	0.45375638	0.90650187
Gsap	0.03866176	0.05700622	0.04624242	0.0107638	0.15038142	0.90650187
Plscr1	0.16238791	0.1907867	0.18004483	0.01074186	0.39541442	0.90650187
Hoxa3	0.06113143	0.08276829	0.07204467	0.01072362	0.25407721	0.90650187
Heph	0.11056322	0.1370132	0.12629032	0.01072288	0.35291541	0.90650187
Snhg11	0.03213736	0.04932149	0.03860574	0.01071576	0.1086084	0.90650187

Mpz	0.05789971	0.07908884	0.06838038	0.01070846	0.24315559	0.90650187
Ildr2	0.03738568	0.05546132	0.044754	0.01070732	0.14375416	0.90650187
Slpi	0.03063367	0.04751841	0.03683627	0.01068214	0.09866767	0.90650187
Uhrf1	0.15331156	0.18154039	0.17085933	0.01068106	0.3905401	0.90650187
Plxna4	0.03771284	0.05580615	0.04513585	0.01067031	0.1466384	0.90650187
Kcmf1	0.30028298	0.31952133	0.30885804	0.01066329	0.43900828	0.90650187
Cwc22	0.35749807	0.36765634	0.3570016	0.01065474	0.44722346	0.90650187
1700037H04	0.32703848	0.34236976	0.33172563	0.01064413	0.44328456	0.90650187
Wwtr1	0.17452846	0.20280864	0.19218605	0.01062259	0.40294972	0.90650187
Ncapg	0.0770631	0.10050389	0.08988504	0.01061884	0.29972376	0.90650187
Myc	0.14172969	0.16960981	0.15899929	0.01061052	0.38335948	0.90650187
Cdx2	0.01371848	0.02728129	0.01668425	0.01059703	0.00237412	0.0495728
Parvb	0.07193813	0.09477261	0.0841863	0.01058631	0.28807098	0.90650187
Map2	0.40432256	0.40494353	0.3943667	0.01057683	0.45254648	0.90650187
Gins4	0.33888855	0.35221244	0.34165302	0.01055942	0.44535741	0.90650187
2310022B05	0.75581515	0.63826678	0.62771181	0.01055497	0.47020568	0.90650187
Ergic1	0.49393374	0.47177692	0.46123906	0.01053785	0.45954978	0.90650187
Rab27b	0.06289234	0.08456303	0.07403478	0.01052825	0.26362953	0.90650187
Susd4	0.04234591	0.06103644	0.05052555	0.01051088	0.17752868	0.90650187
Slc41a3	0.1154246	0.14198035	0.13147025	0.0105101	0.36114714	0.90650187
Nyap1	0.12078898	0.14764148	0.13715246	0.01048902	0.36693316	0.90650187
1810064F22	0.02703631	0.04307269	0.03258866	0.01048402	0.07633184	0.79148727
Mcfd2	0.59140155	0.53826928	0.52780195	0.01046733	0.4648728	0.90650187
Pirb	0.01297598	0.02624532	0.01578913	0.01045619	0.00161971	0.03563117
Ikzf1	0.01297598	0.02624532	0.01578913	0.01045619	0.00161971	0.03563117
Hilpda	0.28912311	0.30958499	0.29912889	0.0104561	0.43825419	0.90650187
Usf3	0.11077984	0.13692987	0.12652176	0.01040811	0.35729053	0.90650187
Kctd18	0.10398614	0.12964249	0.11923558	0.01040691	0.34900294	0.90650187
Galk2	0.35471352	0.36512689	0.35472354	0.01040335	0.44813254	0.90650187
Brip1os	0.26986786	0.29246761	0.28207157	0.01039603	0.43492568	0.90650187

Slc18a1	0.03748408	0.05526077	0.04486886	0.0103919	0.15159194	0.90650187
Tmem39a	0.44604696	0.43661106	0.42622863	0.01038243	0.45688293	0.90650187
Gng8	0.03953826	0.05764219	0.04726333	0.01037887	0.16447276	0.90650187
Rab4a	0.34566753	0.35765566	0.34727886	0.01037679	0.44716153	0.90650187
Trh	0.01053615	0.02321582	0.01284148	0.01037434	0.00016439	0.00467954
Phox2b	0.01148296	0.0243589	0.01398651	0.01037239	0.00048886	0.01274648
Gm13139	0.038757	0.056717	0.04635341	0.01036359	0.16012649	0.90650187
Gm14964	0.13176411	0.15903056	0.14866806	0.0103625	0.37833037	0.90650187
Chsy1	0.14315595	0.17082229	0.16046832	0.01035397	0.38711515	0.90650187
Dpf1	0.02471789	0.04019216	0.02984035	0.01035181	0.06151131	0.68200837
Tjp1	0.33191558	0.34616897	0.33582587	0.0103431	0.44554693	0.90650187
Ncoa7	0.37280406	0.37975024	0.36941043	0.01033981	0.45048636	0.90650187
Bhlhe40	0.04917077	0.06874305	0.0584051	0.01033795	0.21567276	0.90650187
Fez1	0.12701933	0.15403886	0.14370768	0.01033118	0.37463738	0.90650187
Lypd1	0.02699697	0.04285754	0.0325421	0.01031544	0.07938778	0.81530674
Podn	0.04657097	0.06572612	0.0554119	0.01031422	0.20397879	0.90650187
Gstp1	0.54367227	0.50626966	0.49595717	0.01031249	0.46317505	0.90650187
Cdh13	0.02237693	0.03736075	0.02705663	0.01030412	0.04522349	0.54819953
Atg4a	0.1201651	0.14679137	0.13649342	0.01029795	0.36865961	0.90650187
Exoc3l	0.03132606	0.04792591	0.03765147	0.01027444	0.11254017	0.90650187
Ift43	0.32907714	0.34371137	0.33344203	0.01026934	0.44554873	0.90650187
Capns1	1.89477646	0.93720721	0.9269394	0.01026781	0.48036224	0.90650187
Zfp511	0.25284274	0.27693774	0.2666952	0.01024254	0.43221592	0.90650187
Sox8	0.02409694	0.03930445	0.0291028	0.01020165	0.05957452	0.66587668
Rars2	0.33782161	0.35096059	0.34076406	0.01019653	0.44708726	0.90650187
Cerk	0.11267667	0.13868992	0.12854584	0.01014408	0.36286136	0.90650187
Agr2	0.01000558	0.02232699	0.01219919	0.0101278	0.0001118	0.0032681
Ctgf	0.04714048	0.06618752	0.05606847	0.01011905	0.21118151	0.90650187
Baiap2l2	0.03037585	0.04664836	0.03653252	0.01011584	0.10916406	0.90650187
Bace1	0.55656422	0.51481081	0.50469552	0.01011529	0.46450104	0.90650187

Stoml2	0.79358801	0.65884275	0.64874953	0.01009323	0.47242929	0.90650187
Dcx	0.23281042	0.25832394	0.24823899	0.01008494	0.42833806	0.90650187
Cytip	0.11510209	0.14118192	0.13112751	0.0100544	0.36659935	0.90650187
Mar-03	0.00954988	0.02169273	0.01164718	0.01004556	6.30E-05	0.00194144
Gm7879	0.04443737	0.06298901	0.05294776	0.01004125	0.19959053	0.90650187
Tspan9	0.28603424	0.30645376	0.29641574	0.01003802	0.44016577	0.90650187
Casp3	0.11678652	0.14294546	0.13291619	0.01002926	0.36864446	0.90650187
Ndnf2	0.66244427	0.58276008	0.57273459	0.01002549	0.4689862	0.90650187
Sdad1	0.23187214	0.2573891	0.24736473	0.01002437	0.42851478	0.90650187
Rab6b	0.03240347	0.04893888	0.03891851	0.01002037	0.1261848	0.90650187
Cdk17	0.17093722	0.19862023	0.18861184	0.01000839	0.40675546	0.90650187
St8sia1	0.02872974	0.04458142	0.03459073	0.00999068	0.09957021	0.90650187
Rtl1	0.02957313	0.04555947	0.03558615	0.00997331	0.10639728	0.90650187
Cog8	0.48349237	0.46370731	0.45374072	0.00996659	0.46110534	0.90650187
Tox2	0.04189333	0.05996051	0.05000051	0.00996	0.1879285	0.90650187
Cttnbp2	0.09712663	0.12179597	0.11183617	0.0099598	0.34608471	0.90650187
Ppil2	0.68510753	0.59641045	0.58648659	0.00992387	0.47001842	0.90650187
Vnn1	0.04872332	0.06780462	0.05789067	0.00991394	0.22323215	0.90650187
Adamts12	0.02054144	0.03477719	0.02486787	0.00990932	0.03824045	0.48001077
Hoxd9	0.01295443	0.02566809	0.01576314	0.00990496	0.00260745	0.05363445
Mvd	0.23697901	0.26201325	0.25211254	0.00990071	0.43070351	0.90650187
Zfp467	0.27042179	0.29244899	0.28256724	0.00988175	0.43822593	0.90650187
Uchl4	0.03804224	0.05539339	0.04552014	0.00987325	0.16746137	0.90650187
Hoxb6	0.06969349	0.09154646	0.08167842	0.00986804	0.29559944	0.90650187
Fstl3	0.11423354	0.14006752	0.13020384	0.00986367	0.3681415	0.90650187
Aamdc	0.28015782	0.30108383	0.29122996	0.00985387	0.44021715	0.90650187
Galns	0.16824172	0.19576943	0.1859196	0.00984983	0.40690117	0.90650187
Ect2	0.05952303	0.08006312	0.07022291	0.00984021	0.26665712	0.90650187
Lym9	0.2652754	0.28779089	0.27795102	0.00983987	0.43747231	0.90650187
Gm12688	0.01282213	0.02543748	0.01560355	0.00983393	0.00254105	0.05255305

Pipox	0.02050081	0.03465063	0.02481936	0.00983127	0.03912232	0.48946365
Ctsa	0.66383674	0.58341106	0.57358756	0.00982351	0.46965491	0.90650187
Hhatl	0.01406454	0.02691703	0.01710114	0.00981589	0.00535939	0.09983827
Rbm18	0.58899404	0.53603956	0.52622833	0.00981124	0.46697115	0.90650187
Chpf2	0.17042049	0.19789913	0.18809636	0.00980276	0.40839108	0.90650187
Klf9	0.12088571	0.14705595	0.13725459	0.00980135	0.37544697	0.90650187
Pan3	0.34338084	0.35517762	0.34538544	0.00979218	0.44985036	0.90650187
C130074G19	0.04218843	0.06013493	0.0503429	0.00979203	0.1936016	0.90650187
Xiap	0.47143867	0.45477963	0.44499296	0.00978666	0.46105685	0.90650187
Hip1	0.16365809	0.19109585	0.18132284	0.00977301	0.40531591	0.90650187
Kxd1	0.39982212	0.40061634	0.39085144	0.0097649	0.45578139	0.90650187
Map2k3os	0.03005602	0.04591088	0.03615558	0.0097553	0.11516902	0.90650187
Zfp105	0.11477779	0.14053675	0.13078274	0.00975401	0.37011025	0.90650187
Jade3	0.17768805	0.20504784	0.19531833	0.00972951	0.41237039	0.90650187
Katnal2	0.04724755	0.06590859	0.05619185	0.00971674	0.22102448	0.90650187
Bmf	0.07882721	0.10155364	0.09183793	0.00971571	0.31906701	0.90650187
Cdkn1b	0.388663	0.39177859	0.38206574	0.00971285	0.45500896	0.90650187
Clip2	0.10280107	0.12766463	0.11795869	0.00970594	0.3572587	0.90650187
Coro2b	0.07963835	0.10242625	0.09273438	0.00969187	0.32110184	0.90650187
A630001G21	0.01218462	0.02451961	0.01483412	0.00968548	0.00185026	0.04000829
Zmym6	0.05693024	0.07695258	0.06727812	0.00967446	0.26132384	0.90650187
Kcne1l	0.15512155	0.18236739	0.17269859	0.00966881	0.40172125	0.90650187
Sez6l	0.09923378	0.12376795	0.11410899	0.00965896	0.35334452	0.90650187
Sirpa	0.15525148	0.18248009	0.17283048	0.00964961	0.40198568	0.90650187
Fam229b	0.19054289	0.21759181	0.20794947	0.00964234	0.41834204	0.90650187
Hoxd4	0.02984077	0.04554347	0.0359018	0.00964167	0.11625903	0.90650187
Smad6	0.02618461	0.0412198	0.03158002	0.00963979	0.08738755	0.87068126
Pira2	0.00963715	0.02139229	0.01175292	0.00963937	0.0001331	0.00385385
Robo2	0.20405556	0.23067183	0.22103423	0.00963761	0.42315107	0.90650187
Slc2a12	0.02487542	0.03963675	0.03002735	0.0096094	0.07741302	0.79780022

Shq1	0.12271371	0.14878412	0.13918267	0.00960145	0.37954424	0.90650187
Smarca2	1.01213464	0.76528052	0.75568858	0.00959194	0.47750044	0.90650187
Sorbs2	0.39948912	0.40016876	0.39059072	0.00957804	0.45659536	0.90650187
Fam3c	0.49823424	0.47388272	0.46430484	0.00957789	0.46346583	0.90650187
Mob3a	0.1803857	0.20755467	0.19798396	0.0095707	0.41492104	0.90650187
Eci1	0.7367846	0.62642905	0.61685885	0.0095702	0.47250638	0.90650187
Zadh2	0.17343201	0.20065411	0.19109642	0.00955769	0.41202185	0.90650187
Ddx25	0.0668887	0.0880843	0.07853439	0.00954991	0.294394	0.90650187
Camk2d	0.30243449	0.32026614	0.31072038	0.00954576	0.44568331	0.90650187
Sh3pxd2a	0.19803408	0.22477371	0.21522813	0.00954558	0.42184841	0.90650187
Phf8	0.1908892	0.21783166	0.20828728	0.00954437	0.41928945	0.90650187
Gm5475	0.00773117	0.0189789	0.00944066	0.00953824	3.54E-06	0.00013674
Morn1	0.04114205	0.05866621	0.04912827	0.00953795	0.19404488	0.90650187
Cby1	0.49847958	0.47401703	0.46447937	0.00953766	0.46363249	0.90650187
Nme6	0.1871944	0.21420083	0.20467652	0.00952431	0.41805591	0.90650187
Dlx5	0.01082724	0.02271472	0.01319367	0.00952105	0.00066804	0.01678481
Apbb1ip	0.0275031	0.04265959	0.03314098	0.00951861	0.10082791	0.90650187
Ndufaf2	0.46682431	0.45112536	0.44161699	0.00950837	0.46187248	0.90650187
Myd88	0.14781678	0.17476072	0.16525235	0.00950837	0.39905519	0.90650187
Was	0.01372414	0.02619573	0.01669107	0.00950467	0.00567824	0.10411931
Rab7	1.39500701	0.88279065	0.87329058	0.00950007	0.4807141	0.90650187
Atp6v0e	1.82343344	0.93459625	0.92510456	0.0094917	0.48180955	0.90650187
Manbal	0.61449047	0.5521885	0.54271817	0.00947032	0.46908309	0.90650187
Bcl3	0.05322483	0.07250796	0.06305222	0.00945574	0.25248409	0.90650187
H2-Q2	0.11529371	0.14078034	0.13133117	0.00944917	0.37453809	0.90650187
Sec24c	0.33845615	0.35073476	0.34129286	0.0094419	0.45105825	0.90650187
Asap3	0.04787252	0.06634165	0.05691168	0.00942997	0.23067859	0.90650187
Mrps15	0.69631062	0.60261113	0.59318563	0.00942551	0.4718425	0.90650187
9330158H04	0.01784167	0.03104777	0.02163868	0.00940909	0.02661371	0.36282959
Bri3bp	0.33996911	0.3519512	0.34255235	0.00939885	0.45145852	0.90650187

Lrmp	0.02677347	0.04167526	0.03227751	0.00939775	0.09777071	0.90650187
Rbpjl	0.01933461	0.03281599	0.02342583	0.00939015	0.03737434	0.47343941
Piezo2	0.06650913	0.08747842	0.07810802	0.0093704	0.29690368	0.90650187
Arhgef28	0.09951804	0.12376919	0.11441512	0.00935407	0.35813324	0.90650187
Pnliprp2	0.01519066	0.02780327	0.01845638	0.00934689	0.01218029	0.19697076
Crif3	0.20617295	0.23241245	0.22306677	0.00934567	0.4261226	0.90650187
Ube2g2	0.42389961	0.41881702	0.40947912	0.0093379	0.45962478	0.90650187
Pthlh	0.02160322	0.0354705	0.02613467	0.00933583	0.05613644	0.64256775
Afap1	0.31283217	0.32899819	0.31966265	0.00933554	0.44835005	0.90650187
Adgrl3	0.11375197	0.13901066	0.12969132	0.00931934	0.37469197	0.90650187
RP23-378D1f	0.03493566	0.05117968	0.0418892	0.00929048	0.16207218	0.90650187
Ptcd3	0.20654714	0.23270997	0.22342548	0.0092845	0.42671719	0.90650187
Arhgap24	0.10493677	0.12953604	0.12025859	0.00927745	0.36581427	0.90650187
Btd	0.25367942	0.27673179	0.26745733	0.00927446	0.43874273	0.90650187
Ptprg	0.1805032	0.20734342	0.19809989	0.00924354	0.41783455	0.90650187
Tal1	0.02084053	0.03445884	0.02522489	0.00923395	0.05182814	0.60884045
Trim12a	0.04745768	0.06563474	0.05643394	0.00920079	0.23428856	0.90650187
Kcnmb1	0.05633031	0.0757868	0.06659531	0.00919149	0.26974558	0.90650187
Gm15867	0.01969803	0.03305134	0.02386033	0.00919101	0.04340687	0.53126237
Sc5d	0.14404146	0.17056997	0.16137918	0.00919079	0.40006299	0.90650187
Kif26a	0.04628384	0.06426112	0.05508069	0.00918043	0.22935901	0.90650187
Dhx16	0.1799173	0.2066857	0.19752169	0.00916401	0.4182964	0.90650187
Ajuba	0.09267035	0.11616119	0.10700934	0.00915185	0.35189645	0.90650187
Ccl27a	0.35534149	0.36437788	0.35523784	0.00914003	0.45446729	0.90650187
Mmp15	0.07844234	0.10055084	0.09141226	0.00913859	0.32836504	0.90650187
Gpr35	0.01106083	0.02259637	0.01347619	0.00912019	0.00131217	0.02972626
2310001H17	0.04127559	0.05840317	0.04928337	0.0091198	0.20535314	0.90650187
Pdzrn3	0.13628295	0.16247986	0.15336725	0.00911261	0.39583433	0.90650187
Rasl12	0.03670953	0.05307096	0.04396431	0.00910665	0.17856421	0.90650187
Znrf1	0.28232255	0.30222889	0.29314398	0.00908491	0.44520907	0.90650187

Gm10116	0.41972252	0.41536256	0.40627975	0.00908282	0.4604158	0.90650187
Pabpc4l	0.09602766	0.11971378	0.11064837	0.00906541	0.35784385	0.90650187
Sfrp4	0.02929728	0.04432468	0.0352607	0.00906398	0.12656692	0.90650187
Gm10126	0.07970639	0.10186724	0.09280953	0.00905772	0.33219234	0.90650187
Acad9	0.21128881	0.23700308	0.22795829	0.00904479	0.42999378	0.90650187
Lnx2	0.05554896	0.07474721	0.06570521	0.009042	0.27034138	0.90650187
Rftn1	0.09066694	0.11386135	0.10483036	0.00903099	0.35086622	0.90650187
Gimap5	0.04524873	0.06289994	0.05388564	0.0090143	0.22853304	0.90650187
Ggct	0.21219352	0.23782711	0.2288205	0.00900661	0.43054622	0.90650187
Il18r1	0.01137051	0.02285414	0.0138506	0.00900354	0.00192712	0.04141506
Tdrd3	0.18282	0.20937615	0.20038254	0.00899361	0.42092461	0.90650187
Bspry	0.11612292	0.14120456	0.13221194	0.00899261	0.381183	0.90650187
Lptm4b	0.68717282	0.59671825	0.58772661	0.00899165	0.47288746	0.90650187
Acad10	0.01969576	0.03284671	0.02385761	0.0089891	0.04696502	0.56346908
Klf7	0.53635871	0.49993668	0.49095207	0.00898462	0.46757928	0.90650187
Katna1	0.40816435	0.40633984	0.39735532	0.00898452	0.45996625	0.90650187
Cwc25	0.28720951	0.30643091	0.29744908	0.00898182	0.44660628	0.90650187
Lcp2	0.00936604	0.02038367	0.01142438	0.00895929	0.00024482	0.00670547
H2-Ab1	0.02212617	0.03571559	0.02675792	0.00895767	0.06834349	0.73367892
RP23-291B1.	0.01965341	0.03276465	0.02380699	0.00895766	0.04719203	0.5657461
Rita1	0.18433262	0.21082502	0.2018697	0.00895532	0.42182947	0.90650187
Cldn34c1	0.08390549	0.10637153	0.09743488	0.00893665	0.34172952	0.90650187
Cep68	0.19881568	0.22491543	0.21598402	0.00893141	0.42707124	0.90650187
Gsdmd	0.12056243	0.14583644	0.1369132	0.00892324	0.38600765	0.90650187
Tex261	0.74730346	0.63180222	0.62287908	0.00892314	0.47461007	0.90650187
Lmbr1l	0.1025591	0.12662058	0.11769776	0.00892282	0.36804821	0.90650187
Gnb1l	0.06014651	0.07985003	0.07092956	0.00892047	0.28804581	0.90650187
Foxn3	0.30112142	0.3184902	0.30958428	0.00890592	0.44911868	0.90650187
Wnt6	0.02320822	0.03693425	0.02804615	0.0088881	0.07943884	0.81530674
Rhod	0.09674758	0.12029918	0.11142667	0.00887252	0.3616739	0.90650187

2700062C07I	0.25546469	0.27794382	0.26908129	0.00886253	0.44179429	0.90650187
Syne1	0.2611893	0.2831297	0.274268	0.0088617	0.44289269	0.90650187
Itgb3	0.06817652	0.08883138	0.07997939	0.00885199	0.31134824	0.90650187
Pdlim3	0.04413154	0.06143019	0.05259399	0.00883619	0.22756322	0.90650187
Gpr45	0.07992667	0.10188114	0.0930528	0.00882834	0.3365947	0.90650187
Lmod1	0.01296956	0.02460293	0.01578139	0.00882154	0.00647719	0.11597151
Hpca	0.08059023	0.1026016	0.09378518	0.00881643	0.33800414	0.90650187
Clptm1l	0.31777528	0.33268999	0.32388052	0.00880946	0.45187747	0.90650187
Col8a2	0.08606229	0.10860583	0.09980091	0.00880492	0.34745045	0.90650187
4930523C07I	0.06961446	0.09039288	0.08158998	0.0088029	0.31573983	0.90650187
Pdzd8	0.25709587	0.27934524	0.27056241	0.00878284	0.44262759	0.90650187
Pus1	0.20762793	0.23322942	0.22446073	0.00876869	0.43106231	0.90650187
Ccdc109b	0.03256665	0.04787262	0.03911025	0.00876238	0.15962331	0.90650187
Wbp1	0.61764537	0.55349343	0.54473273	0.00876071	0.47150118	0.90650187
9430038I01R	0.2258897	0.25051405	0.24176966	0.00874439	0.43612946	0.90650187
Spock1	0.11598766	0.14080735	0.13206833	0.00873903	0.38431478	0.90650187
Fis1	1.70585651	0.92736305	0.9186305	0.00873254	0.48314566	0.90650187
Tceanc	0.10485153	0.12889081	0.12016691	0.0087239	0.37344491	0.90650187
Tmem74b	0.01222686	0.0236074	0.01488512	0.00872227	0.00459368	0.08761418
Dcaf17	0.31151117	0.32725019	0.31853185	0.00871834	0.45157701	0.90650187
Rps19bp1	0.71407019	0.61239073	0.60367415	0.00871658	0.47440906	0.90650187
Polr2e	1.11324164	0.80260897	0.79391228	0.00869669	0.48057992	0.90650187
Prpf6	0.45851161	0.44419311	0.43549668	0.00869643	0.46463066	0.90650187
Ccdc124	0.7435574	0.62943782	0.62074145	0.00869637	0.47516938	0.90650187
Mut	0.19063546	0.2167334	0.20803978	0.00869362	0.42631093	0.90650187
Zfr	1.05600682	0.78167682	0.77300494	0.00867188	0.48011196	0.90650187
Icosl	0.04794148	0.06565617	0.05699107	0.0086651	0.24954456	0.90650187
Pisd	0.37225705	0.37763193	0.36897038	0.00866155	0.45844173	0.90650187
Eno2	0.05667366	0.07564666	0.06698615	0.00866051	0.28272552	0.90650187
Stk17b	0.0465173	0.06400544	0.05535	0.00865544	0.24346855	0.90650187

Epb41l4a	0.16153331	0.18783894	0.17918395	0.00865498	0.41498787	0.90650187
Peak1	0.19183864	0.21786506	0.20921275	0.00865231	0.4270637	0.90650187
Prrx2	0.05621944	0.07511551	0.06646907	0.00864644	0.28153286	0.90650187
Rbm33	0.24506226	0.26821461	0.2595746	0.00864001	0.44118197	0.90650187
Ids	0.34005765	0.35125848	0.34262599	0.00863249	0.45540877	0.90650187
Xrcc3	0.05136321	0.0695503	0.06092134	0.00862896	0.26445193	0.90650187
Zbtb7c	0.12994868	0.15539193	0.14677332	0.00861861	0.39702752	0.90650187
Tmf1	0.39659713	0.39694036	0.38832289	0.00861746	0.46070624	0.90650187
Zfp143	0.11366729	0.13821715	0.12960115	0.00861599	0.38378778	0.90650187
Cacng7	0.05084356	0.06893816	0.0603256	0.00861255	0.2628155	0.90650187
Wbscr17	0.07271593	0.09365275	0.08505362	0.00859913	0.32654937	0.90650187
Ormdl2	0.45874195	0.4442636	0.43566692	0.00859668	0.46504891	0.90650187
Gigyf1	0.22150787	0.24624069	0.2376482	0.00859249	0.43615031	0.90650187
Jup	0.43802901	0.42877808	0.42020622	0.00857187	0.46387073	0.90650187
Grk5	0.09866319	0.12206144	0.11349414	0.0085673	0.36859219	0.90650187
Sp140	0.03171417	0.04667497	0.0381081	0.00856686	0.15880261	0.90650187
Mmp9	0.01397625	0.02555244	0.01699479	0.00855765	0.01259212	0.20276782
Asb3	0.17936196	0.20553069	0.19697331	0.00855738	0.42342605	0.90650187
Cacna1g	0.07263794	0.09352241	0.08496669	0.00855572	0.32720282	0.90650187
Grin2a	0.0142733	0.02588022	0.01735252	0.0085277	0.01445384	0.22511565
Prdm10	0.02866603	0.04304283	0.03451549	0.00852733	0.13603165	0.90650187
Ablim1	0.15519982	0.18130363	0.17277805	0.00852558	0.41318303	0.90650187
Golm1	0.19983921	0.22549437	0.21697278	0.00852158	0.4306967	0.90650187
Dbnl	0.78838587	0.6544079	0.64589165	0.00851624	0.47662881	0.90650187
Ctdsp2	0.54797878	0.50739865	0.49888752	0.00851113	0.469772	0.90650187
Mmp19	0.03709837	0.05291638	0.04441853	0.00849785	0.19752281	0.90650187
Adk	0.57338701	0.52444034	0.51594513	0.00849521	0.4708241	0.90650187
Lacc1	0.04890593	0.06657213	0.05810066	0.00847147	0.25842801	0.90650187
Gm20324	0.00833573	0.01864197	0.01017473	0.00846724	0.00010799	0.00316896
Echdc3	0.03556275	0.05107711	0.04262334	0.00845377	0.18896229	0.90650187

Mospd2	0.16520991	0.19132153	0.18288174	0.00843979	0.41872361	0.90650187
Rep15	0.04909215	0.0667509	0.05831473	0.00843616	0.26007045	0.90650187
Scrn1	0.19549545	0.22116813	0.21276823	0.0083999	0.43034003	0.90650187
Pard3	0.46307662	0.44725038	0.43886366	0.00838672	0.46614824	0.90650187
Nell1	0.03768791	0.05348889	0.04510675	0.00838214	0.20436742	0.90650187
Usp19	0.48023246	0.45976001	0.45138464	0.00837536	0.46712956	0.90650187
Dcun1d4	0.1085569	0.1325156	0.12414401	0.00837159	0.38216967	0.90650187
Gprin1	0.09007427	0.11255224	0.10418468	0.00836756	0.36052807	0.90650187
Slc25a14	0.22964854	0.25364213	0.24528932	0.00835281	0.43983569	0.90650187
Vrk1	0.20654315	0.23177281	0.22342165	0.00835116	0.43401156	0.90650187
Pum3	0.44625114	0.43472036	0.42638134	0.00833902	0.46535736	0.90650187
Rbfa	0.38929962	0.39090771	0.38256964	0.00833807	0.46140625	0.90650187
Cfap126	0.1527016	0.17856684	0.17023866	0.00832818	0.41391649	0.90650187
Creb3l2	0.44729307	0.43547843	0.42716013	0.0083183	0.46550607	0.90650187
Sypl	0.88234589	0.70396429	0.69564864	0.00831565	0.47880941	0.90650187
Itgb8	0.03801822	0.0538072	0.04549211	0.00831509	0.20823177	0.90650187
C1qtnf1	0.0384995	0.0543647	0.04605331	0.00831139	0.21118609	0.90650187
2210019I11R	0.0670365	0.08700849	0.07870034	0.00830815	0.31942441	0.90650187
Gtdc1	0.15017446	0.17595339	0.16766259	0.0082908	0.41300089	0.90650187
Gcnt2	0.20058512	0.22597846	0.21769265	0.00828581	0.43281632	0.90650187
Frmd4b	0.15999422	0.18591372	0.17763146	0.00828227	0.41789506	0.90650187
Ckmt1	0.15389835	0.17973069	0.17145602	0.00827467	0.41505902	0.90650187
Nes	0.08812572	0.1103183	0.10205838	0.00825992	0.35949926	0.90650187
Khsrp	0.27957582	0.29897372	0.29071463	0.00825909	0.44974803	0.90650187
Slitrk2	0.01447833	0.02585755	0.01759936	0.00825819	0.01848828	0.27348002
Lama5	0.1261779	0.15107714	0.14282519	0.00825195	0.3986465	0.90650187
Dmtn	0.02663923	0.04036705	0.03211856	0.00824849	0.12679067	0.90650187
Cdh3	0.03702788	0.05257237	0.0443362	0.00823616	0.20444659	0.90650187
Eef2k	0.16808958	0.19399731	0.1857674	0.00822991	0.42193318	0.90650187
Slc45a4	0.05212578	0.07001676	0.06179485	0.00822191	0.27709417	0.90650187

Ptges3l	0.14240419	0.16791133	0.1596943	0.00821703	0.40953261	0.90650187
lars	0.26083398	0.28216386	0.27394697	0.00821688	0.4469609	0.90650187
Cnm3	0.11640178	0.14071175	0.13250795	0.0082038	0.39156778	0.90650187
Neurl1b	0.11050241	0.13441242	0.12622535	0.00818707	0.38654124	0.90650187
Rffl	0.10304634	0.1264001	0.11822312	0.00817698	0.37923776	0.90650187
Sema3b	0.07082601	0.09110445	0.08294467	0.00815978	0.33093176	0.90650187
Ppp1r16b	0.04678595	0.06381425	0.0556598	0.00815444	0.25742521	0.90650187
Cilp	0.01275815	0.02368073	0.01552636	0.00815437	0.0097766	0.16457811
Zfp385a	0.198612	0.22392945	0.21578713	0.00814232	0.43339136	0.90650187
Cpne5	0.05953731	0.07836677	0.07023911	0.00812766	0.30347922	0.90650187
6230400D17	0.01759503	0.02946094	0.02134309	0.00811785	0.04542906	0.54937718
Rnf112	0.02872826	0.04270352	0.03458899	0.00811453	0.14848944	0.90650187
Slc35a5	0.16580579	0.19157527	0.18347962	0.00809565	0.42224523	0.90650187
Cbln4	0.01378152	0.02484477	0.0167602	0.00808456	0.01599997	0.24313303
Glb1	0.31116703	0.32631819	0.31823701	0.00808117	0.45505896	0.90650187
Brd1	0.15635998	0.18202858	0.17395488	0.0080737	0.41826574	0.90650187
lck	0.1554547	0.18109512	0.17303672	0.0080584	0.41799169	0.90650187
2610044O15	0.12746926	0.15223156	0.14417921	0.00805235	0.40195682	0.90650187
Zcchc3	0.44957092	0.43690644	0.42886001	0.00804642	0.46676276	0.90650187
Pacs2	0.1932968	0.21867406	0.21063221	0.00804185	0.43261071	0.90650187
Tfb1m	0.0753206	0.09597419	0.08795171	0.00802248	0.34255344	0.90650187
Tbc1d31	0.06790566	0.08768732	0.07967567	0.00801165	0.32743015	0.90650187
Zcchc16	0.03797199	0.0534465	0.04543818	0.00800832	0.21666028	0.90650187
Gm10250	0.35692479	0.36454061	0.35653312	0.00800749	0.46023357	0.90650187
Zfp644	0.5490927	0.50762455	0.49964362	0.00798093	0.4716946	0.90650187
Ebi3	0.03137256	0.04567561	0.0377062	0.00796941	0.17371064	0.90650187
Slc44a2	0.19593767	0.22116402	0.21319722	0.0079668	0.43402955	0.90650187
Bhlha15	0.02958175	0.04354899	0.03559632	0.00795267	0.160305	0.90650187
Pir	0.11233202	0.13612078	0.12817841	0.00794237	0.39147952	0.90650187
Exo5	0.10254874	0.1256211	0.11768658	0.00793452	0.38219298	0.90650187

Dtna	0.03587502	0.05092219	0.0429887	0.00793349	0.20598585	0.90650187
Rnf123	0.11044921	0.13409808	0.12616849	0.00792959	0.38996783	0.90650187
E430018J23F	0.08394474	0.10538288	0.09747799	0.00790489	0.359232	0.90650187
Tnfsf12	0.18554054	0.21095863	0.20305551	0.00790313	0.43131491	0.90650187
Kcna6	0.05965079	0.07826677	0.07036776	0.00789901	0.30887783	0.90650187
Adora2b	0.07641847	0.09706596	0.08917033	0.00789563	0.34692395	0.90650187
Fam219b	0.18916705	0.21450133	0.20660613	0.0078952	0.43255094	0.90650187
Gpsm2	0.18757816	0.21294104	0.20505224	0.0078888	0.43209926	0.90650187
Pkhd1l1	0.01511561	0.02625438	0.01836613	0.00788826	0.02810595	0.37875759
Flywch2	0.26131487	0.28226604	0.27438141	0.00788463	0.4491738	0.90650187
Hddc3	0.25472727	0.27629466	0.26841088	0.00788378	0.44805509	0.90650187
Fam184b	0.01557205	0.02678722	0.0189149	0.00787232	0.03213907	0.42043551
Arpc5l	1.19219001	0.82795793	0.82008615	0.00787178	0.48298144	0.90650187
Fam206a	0.08565644	0.10722289	0.09935619	0.0078667	0.36242332	0.90650187
Cdh26	0.00968002	0.01967046	0.01180486	0.00786559	0.00152768	0.0338024
Zfp280d	0.41315087	0.40906622	0.40121783	0.00784839	0.46535073	0.90650187
Bcl6b	0.05989846	0.07849351	0.07064849	0.00784502	0.31077549	0.90650187
Syt5	0.18608316	0.21142892	0.20358768	0.00784124	0.43202387	0.90650187
Oxsm	0.04281401	0.05890339	0.05106826	0.00783513	0.24759862	0.90650187
Mpzl2	0.05739803	0.0756353	0.06781015	0.00782515	0.30397098	0.90650187
Frem2	0.08151155	0.10262515	0.094801	0.00782415	0.35684447	0.90650187
Casq2	0.01886037	0.030678	0.02285852	0.00781948	0.06416004	0.70418539
Spdya	0.01448923	0.02542827	0.01761248	0.0078158	0.02425899	0.33584788
Fas	0.0990094	0.12168301	0.11386725	0.00781576	0.38012856	0.90650187
Ggt1	0.04369748	0.05989591	0.05209163	0.00780427	0.25269513	0.90650187
Crispld2	0.08454232	0.1059373	0.09813417	0.00780312	0.36185996	0.90650187
Mall	0.04049121	0.0561698	0.04837193	0.00779787	0.23679165	0.90650187
Sh3bp1	0.18486515	0.21018374	0.20239268	0.00779106	0.43205974	0.90650187
Il1rl2	0.05916867	0.07760658	0.06982103	0.00778554	0.31004711	0.90650187
Xab2	0.33761411	0.3483587	0.34059107	0.00776763	0.45962124	0.90650187

Abca8a	0.04753286	0.06428614	0.05652053	0.00776561	0.27066548	0.90650187
Htati2	0.17220293	0.19763839	0.18987324	0.00776515	0.42786599	0.90650187
Tmem200a	0.06501898	0.08418968	0.07643213	0.00775755	0.32591884	0.90650187
Ctla2b	0.02270506	0.0351919	0.02744734	0.00774456	0.10485283	0.90650187
Slc35e1	0.12713239	0.15156346	0.14382619	0.00773727	0.40549242	0.90650187
Pcp4l1	0.02395863	0.03666535	0.02893844	0.00772691	0.11760785	0.90650187
A930019D19	0.02332457	0.03590431	0.02818456	0.00771975	0.11167811	0.90650187
She	0.0537989	0.07141855	0.06370828	0.00771027	0.295279	0.90650187
Tek	0.04381427	0.05993385	0.05222682	0.00770703	0.2559021	0.90650187
Mettl8	0.07814059	0.09877596	0.09107837	0.00769759	0.35356044	0.90650187
Heatr5a	0.08523366	0.10659023	0.09889267	0.00769756	0.36465821	0.90650187
Zfp110	0.18249978	0.20776045	0.20006739	0.00769306	0.43213392	0.90650187
Oraov1	0.17594252	0.20127913	0.19358925	0.00768987	0.42991476	0.90650187
Actn3	0.10601584	0.12910791	0.12141846	0.00768945	0.38914771	0.90650187
Col7a1	0.02148006	0.03367294	0.02598782	0.00768512	0.09431282	0.90650187
Gm26883	0.0190789	0.03080141	0.02311999	0.00768142	0.06983583	0.74653619
Zkscan6	0.12793365	0.15233554	0.14466564	0.0076699	0.40683366	0.90650187
Mr1	0.08424235	0.10546353	0.09780485	0.00765867	0.36387651	0.90650187
Nrbf2	0.3629588	0.36910931	0.36145069	0.00765862	0.46247672	0.90650187
Klhl6	0.03233871	0.04649762	0.0388424	0.00765522	0.19047198	0.90650187
Cep89	0.23337761	0.25642061	0.24876705	0.00765355	0.445605	0.90650187
Mill2	0.03234121	0.04648861	0.03884534	0.00764327	0.19086186	0.90650187
Rnf126	0.33927489	0.34961659	0.34197468	0.00764191	0.46043281	0.90650187
Epha1	0.06892588	0.08845889	0.0808191	0.00763979	0.33715468	0.90650187
Uchl3	0.51058039	0.48067076	0.47303867	0.00763209	0.47140992	0.90650187
Arid3a	0.16528885	0.19059203	0.18296096	0.00763107	0.4264496	0.90650187
Cks1brt	0.06425015	0.08319379	0.0755662	0.00762759	0.32681119	0.90650187
Relb	0.09915737	0.12165009	0.11402668	0.00762342	0.3831503	0.90650187
Npat	0.13470477	0.15934588	0.15172884	0.00761704	0.41169894	0.90650187
P2ry14	0.01268189	0.02305122	0.01543434	0.00761688	0.01412069	0.22103441

Tmem205	0.37267088	0.37691602	0.36930332	0.0076127	0.46349192	0.90650187
Fgd5	0.03862938	0.05381283	0.04620469	0.00760815	0.23207775	0.90650187
Slc16a7	0.02663047	0.03970256	0.03210818	0.00759438	0.14651539	0.90650187
Gss	0.2148924	0.2389729	0.23138755	0.00758535	0.4420649	0.90650187
Zfp800	0.20533257	0.2298326	0.22226063	0.00757197	0.43980926	0.90650187
1500015A07	0.0678324	0.08716442	0.0795935	0.00757092	0.33619687	0.90650187
Kcnk3	0.16588093	0.19112568	0.18355498	0.0075707	0.42725839	0.90650187
G630016G05	0.10054331	0.12308464	0.1155211	0.00756353	0.3854997	0.90650187
Gimap8	0.01826039	0.02969867	0.02214028	0.0075584	0.06454869	0.70630256
Lsm14a	0.69366699	0.59915852	0.59161095	0.00754758	0.47738589	0.90650187
Hltf	0.13316035	0.1576444	0.15012262	0.00752178	0.41186749	0.90650187
Parp12	0.09028313	0.11193401	0.10441228	0.00752173	0.37438716	0.90650187
Pdzd2	0.1201598	0.14400209	0.13648782	0.00751426	0.40332481	0.90650187
Pgm2l1	0.11356523	0.13698931	0.12949249	0.00749682	0.3984453	0.90650187
Diaph2	0.10283574	0.12548565	0.11799607	0.00748958	0.38890413	0.90650187
Fbxo32	0.10017415	0.1226104	0.11512193	0.00748847	0.3862224	0.90650187
Prl	0.03144642	0.04528125	0.03779311	0.00748814	0.18920469	0.90650187
Plekhb1	0.11473575	0.13820623	0.13073804	0.00746819	0.39976794	0.90650187
Gatsl3	0.07348229	0.09337272	0.08590732	0.00746539	0.34962776	0.90650187
Stk10	0.03164856	0.04548699	0.03803093	0.00745606	0.19172072	0.90650187
Etf1	0.6664725	0.58265353	0.57519928	0.00745425	0.47702865	0.90650187
Vopp1	0.14253199	0.16727989	0.15982594	0.00745395	0.41787454	0.90650187
Adap2	0.0133321	0.02366849	0.01621856	0.00744993	0.02057228	0.29474013
Tram2	0.09634436	0.11843469	0.11099084	0.00744385	0.38279254	0.90650187
Ntf5	0.03062449	0.04426773	0.03682545	0.00744227	0.18447588	0.90650187
Gm14418	0.06288607	0.08146464	0.0740277	0.00743694	0.32757735	0.90650187
Klf15	0.0479896	0.06447589	0.05704647	0.00742942	0.28130412	0.90650187
Kcna1	0.01074892	0.02052703	0.01309893	0.0074281	0.00585106	0.1065174
Tmem209	0.1412654	0.16594633	0.15852056	0.00742577	0.41751653	0.90650187
Usp46	0.23046808	0.253461	0.24605482	0.00740618	0.44677582	0.90650187

Dis3l2	0.15770092	0.182719	0.17531319	0.00740581	0.42551786	0.90650187
Hspb8	0.31552533	0.32936382	0.32196333	0.00740049	0.45930511	0.90650187
Myof	0.10374145	0.12636746	0.11897208	0.00739538	0.39114282	0.90650187
Prdm1	0.00938835	0.01884559	0.01145142	0.00739417	0.00204898	0.04365509
Fitm2	0.25172443	0.27304836	0.26567545	0.0073729	0.45090609	0.90650187
Dnmt1	0.28096903	0.29931698	0.29194772	0.00736926	0.4553266	0.90650187
Pcdhb7	0.04432309	0.06018406	0.05281558	0.00736848	0.26755601	0.90650187
Serf1	1.09372164	0.79437753	0.7870126	0.00736492	0.48340786	0.90650187
Ddx28	0.18240942	0.20732912	0.19997844	0.00735068	0.43509831	0.90650187
Ftsj2	0.1208859	0.14459978	0.1372548	0.00734497	0.40597949	0.90650187
Rgs16	0.09069313	0.11220231	0.10485888	0.00734343	0.37777378	0.90650187
Rell1	0.21601338	0.23979095	0.23245156	0.00733939	0.44418586	0.90650187
Cd300a	0.0087308	0.01799111	0.01065411	0.007337	0.00110121	0.02579286
Fam60a	0.42425534	0.41708651	0.40975099	0.00733552	0.46828288	0.90650187
Chek1	0.06984889	0.08917822	0.08185227	0.00732594	0.34535536	0.90650187
Gm26549	0.02666902	0.03947956	0.03215384	0.00732573	0.15556378	0.90650187
Hoxb3	0.09394973	0.11572128	0.10839792	0.00732336	0.38195706	0.90650187
Hdac11	0.18964727	0.21439858	0.20707524	0.00732334	0.43753513	0.90650187
Fbxl22	0.02758509	0.04055817	0.03323796	0.00732021	0.1637691	0.90650187
Jmjd7	0.16382705	0.18880639	0.1814927	0.00731369	0.42891134	0.90650187
Tmeff2	0.04124486	0.05653771	0.04924768	0.00729003	0.25524549	0.90650187
1700019D03	0.04861891	0.0650553	0.05777059	0.00728471	0.28754253	0.90650187
Stambp	0.30980228	0.32434993	0.31706673	0.00728321	0.45933145	0.90650187
Map9	0.45252303	0.43832695	0.43105759	0.00726935	0.47011902	0.90650187
Morc4	0.11854665	0.14203932	0.13478156	0.00725776	0.40540218	0.90650187
Fam171b	0.11532687	0.13861462	0.1313664	0.00724821	0.40311641	0.90650187
Nudt16	0.17903544	0.20389828	0.19665073	0.00724755	0.43492755	0.90650187
Ccdc77	0.16363109	0.1885377	0.18129569	0.00724201	0.42952506	0.90650187
Arhgef15	0.03910666	0.05398811	0.04676078	0.00722733	0.24600627	0.90650187
Socs5	0.12444728	0.14822521	0.14100741	0.0072178	0.4099946	0.90650187

Prima1	0.01825455	0.02935061	0.02213329	0.00721732	0.07357891	0.77295992
Fuom	0.37499881	0.37838512	0.37117368	0.00721143	0.46558515	0.90650187
Gm13212	0.05030097	0.06691114	0.05970313	0.007208	0.29573006	0.90650187
Rbfox1	0.02726901	0.04007143	0.03286405	0.00720738	0.16478963	0.90650187
Ptger4	0.0344508	0.04851211	0.04132115	0.00719096	0.21956842	0.90650187
Kcnk2	0.05544443	0.07277524	0.06558607	0.00718917	0.31302219	0.90650187
Nr3c1	0.49901612	0.47204757	0.46486091	0.00718666	0.47260299	0.90650187
Lhfpl4	0.09106369	0.11243298	0.10526233	0.00717065	0.38100502	0.90650187
Gsc	0.04760969	0.06376523	0.05660903	0.00715621	0.28706159	0.90650187
Tirap	0.06604965	0.08474652	0.07759162	0.0071549	0.34092519	0.90650187
C330027C09I	0.0709797	0.09026664	0.08311637	0.00715028	0.35106624	0.90650187
Neurl2	0.03529746	0.04944326	0.04231284	0.00713041	0.22688099	0.90650187
Pcdh20	0.04962691	0.06605142	0.05892921	0.00712221	0.29553098	0.90650187
Pah	0.0456709	0.06149521	0.05437324	0.00712197	0.28018266	0.90650187
Sim1	0.10052789	0.12262515	0.11550444	0.00712071	0.39201677	0.90650187
Dnm1	0.10230734	0.12454675	0.11742619	0.00712057	0.39374339	0.90650187
Mocs2	0.78340593	0.65025288	0.6431434	0.00710948	0.48040269	0.90650187
Trps1	0.19132596	0.21581682	0.20871313	0.00710369	0.43986595	0.90650187
Rras	0.27756685	0.29603554	0.28893337	0.00710216	0.45649187	0.90650187
Chrna3	0.01210005	0.02182551	0.01473201	0.0070935	0.01615428	0.24507108
Luzp2	0.01568785	0.0261343	0.01905408	0.00708022	0.04927512	0.58609633
Flnb	0.18864856	0.21317916	0.20609936	0.00707979	0.43931246	0.90650187
Ccdc79	0.02138504	0.03293662	0.02587451	0.00706212	0.11249393	0.90650187
Pdia5	0.34045762	0.35001955	0.34295861	0.00706095	0.46353668	0.90650187
Serpinb10	0.0086069	0.01755789	0.01050381	0.00705408	0.00141533	0.03163897
Akap2	0.06395134	0.08228002	0.07522942	0.0070506	0.33846785	0.90650187
Luzp1	0.52035165	0.48691871	0.47988022	0.00703849	0.47400558	0.90650187
Brat1	0.06953861	0.08854272	0.0815051	0.00703762	0.35054144	0.90650187
Ptafr	0.01193422	0.02156358	0.01453173	0.00703185	0.01572976	0.2400684
Boc	0.19828869	0.2225046	0.21547446	0.00703014	0.44233814	0.90650187

Mturn	0.0676031	0.08636297	0.07933627	0.00702669	0.34688631	0.90650187
Klhdc4	0.24234497	0.26409292	0.25707331	0.00701961	0.45169059	0.90650187
Pts	0.48068094	0.45870432	0.45170921	0.00699511	0.47255686	0.90650187
Hmg20b	0.79160064	0.65464558	0.64765933	0.00698625	0.48087629	0.90650187
Fcgr2b	0.00548498	0.01368866	0.00670799	0.00698066	1.86E-06	7.61E-05
Dtl	0.16546672	0.19010734	0.18313946	0.00696787	0.43284279	0.90650187
Arhgdig	0.11227504	0.13508296	0.12811764	0.00696533	0.40450915	0.90650187
Ciapin1	0.70711273	0.6065469	0.59958374	0.00696316	0.47941246	0.90650187
Tmem132c	0.06614646	0.08465369	0.07770044	0.00695325	0.34537853	0.90650187
Hexa	0.91864496	0.72073234	0.71378422	0.00694812	0.48274139	0.90650187
Erdr1	0.31726305	0.33038287	0.32344443	0.00693844	0.46201208	0.90650187
Sox7	0.03253746	0.04601227	0.03907595	0.00693632	0.21501679	0.90650187
Zfp30	0.26920213	0.28838467	0.28147549	0.00690918	0.45655239	0.90650187
Ddah1	0.08552177	0.10611296	0.09920857	0.00690439	0.37851224	0.90650187
Cers4	0.28870148	0.30565876	0.29875905	0.00689971	0.45911271	0.90650187
Sema6c	0.09065754	0.1117087	0.10482012	0.00688858	0.38508343	0.90650187
Rab15	0.06141286	0.07924909	0.07236304	0.00688605	0.33613202	0.90650187
Anxa11	0.34824047	0.35628871	0.34940327	0.00688543	0.4650948	0.90650187
Gbas	0.55041843	0.50742795	0.50054251	0.00688543	0.47561848	0.90650187
Clec4a1	0.00717391	0.01564864	0.00876348	0.00688516	0.00023903	0.00658246
Chst1	0.07082622	0.08981278	0.0829449	0.00686788	0.3564	0.90650187
Antxr1	0.13357433	0.15740753	0.15055344	0.00685409	0.41980576	0.90650187
1110002L01F	0.07578829	0.09532491	0.08847104	0.00685387	0.36527203	0.90650187
Nsun4	0.10378783	0.1258615	0.11902204	0.00683946	0.39918329	0.90650187
Skil	0.2573396	0.27762119	0.27078349	0.0068377	0.45530926	0.90650187
Prkrip1	0.50660756	0.47707451	0.47023911	0.0068354	0.47423772	0.90650187
Rabepk	0.20685612	0.2305543	0.22372156	0.00683274	0.44599979	0.90650187
Kcna2	0.01552832	0.02569368	0.01886235	0.00683133	0.05369289	0.62276574
Slc35b1	0.79841286	0.65821884	0.65138902	0.00682982	0.48141114	0.90650187
Dach1	0.22399319	0.24681423	0.23998839	0.00682583	0.44969046	0.90650187

Dpep1	0.02891302	0.04162774	0.03480714	0.00682059	0.19184058	0.90650187
Mmd2	0.13472796	0.15857305	0.15175294	0.00682011	0.42082034	0.90650187
Eif2ak1	0.21549164	0.2387704	0.23195649	0.00681391	0.44804853	0.90650187
Fkbp5	0.28038184	0.29823784	0.29142823	0.0068096	0.4586333	0.90650187
Osgin2	0.12060614	0.14374854	0.13695936	0.00678917	0.41279077	0.90650187
2310039H08	0.72598263	0.61740666	0.61061998	0.00678668	0.48029618	0.90650187
Akr1e1	0.23063946	0.25299867	0.24621481	0.00678386	0.45125625	0.90650187
Egln3	0.11060958	0.13312343	0.12633987	0.00678357	0.40566992	0.90650187
Twf2	0.44558113	0.4326476	0.42588013	0.00676747	0.47184089	0.90650187
Syt4	0.03240359	0.04568216	0.03891865	0.00676351	0.21988444	0.90650187
Tfap2a	0.01055654	0.01962183	0.01286617	0.00675567	0.00979091	0.16463683
Arhgef39	0.04665636	0.06223373	0.05551037	0.00672336	0.29513421	0.90650187
Fam21	0.38036173	0.38218596	0.37546611	0.00671985	0.46829179	0.90650187
Kat5	0.28286451	0.30033826	0.29362249	0.00671577	0.45950513	0.90650187
Gm525	0.01757384	0.02803216	0.02131769	0.00671447	0.08072068	0.82406653
Dab2ip	0.19205164	0.2161222	0.20942024	0.00670196	0.44343327	0.90650187
Tnfrsf25	0.01114327	0.0202745	0.01357588	0.00669863	0.01413364	0.22103441
C1qtnf6	0.59261027	0.53527686	0.52859069	0.00668617	0.47757821	0.90650187
Klhl42	0.15676498	0.18104633	0.17436534	0.00668099	0.4323722	0.90650187
Rapgef3	0.05409194	0.07072265	0.06404298	0.00667967	0.32143996	0.90650187
Gm15417	0.07899167	0.09867915	0.09201977	0.00665938	0.37383087	0.90650187
Ppl	0.07232003	0.09126955	0.08461226	0.00665728	0.36325199	0.90650187
Zfp106	0.59582254	0.5373344	0.53068185	0.00665255	0.47777866	0.90650187
Ybey	0.05612115	0.07299471	0.06635713	0.00663758	0.32827342	0.90650187
Larp6	0.03581013	0.04953934	0.04291279	0.00662656	0.24620313	0.90650187
C230035I16R	0.03328075	0.04657214	0.03994884	0.0066233	0.23054375	0.90650187
Uap1	0.48424173	0.46089869	0.45428131	0.00661738	0.47418341	0.90650187
Mief1	0.08385174	0.10398734	0.09737583	0.00661152	0.38138591	0.90650187
Insc	0.03718992	0.0511198	0.04452544	0.00659435	0.25513806	0.90650187
Abcf3	0.40333899	0.40018096	0.39359976	0.00658119	0.47037276	0.90650187

Fam168a	0.27713284	0.29512287	0.28854807	0.0065748	0.45965747	0.90650187
Rbm25	1.67630506	0.92295413	0.91639143	0.0065627	0.48730101	0.90650187
Tsc2	0.16598476	0.19022179	0.18365911	0.00656268	0.43689169	0.90650187
Uxt	0.28734166	0.30412682	0.29756519	0.00656163	0.4609541	0.90650187
Sh3bp5	0.15063689	0.17468734	0.16813452	0.00655281	0.43122296	0.90650187
Pcdhb14	0.04536048	0.06055992	0.05401474	0.00654518	0.29504963	0.90650187
Rdh10	0.12281885	0.14583782	0.13929345	0.00654437	0.41727635	0.90650187
Gnai2	1.90244277	0.933556	0.92701626	0.00653974	0.48749042	0.90650187
Cpm	0.04909465	0.06484021	0.0583176	0.00652261	0.30951537	0.90650187
Mvk	0.22212723	0.2447336	0.23823204	0.00650156	0.451717	0.90650187
0610038B21	0.02878432	0.04115635	0.03465519	0.00650116	0.20214708	0.90650187
DHR SX	0.37580423	0.3782995	0.37181979	0.00647971	0.46912336	0.90650187
Ankrd11	0.7000056	0.60183882	0.5953807	0.00645812	0.48076978	0.90650187
Gm10687	0.0127848	0.02199276	0.01555851	0.00643425	0.03299522	0.42758767
Plac9a	0.01088204	0.01969371	0.01325996	0.00643375	0.01550229	0.23755076
Sytl5	0.11326319	0.13558495	0.12917082	0.00641413	0.41264279	0.90650187
Pgm2	0.38833883	0.38821696	0.38180903	0.00640793	0.47026215	0.90650187
Entpd7	0.26472603	0.28384991	0.27745676	0.00639315	0.45920549	0.90650187
BC031181	1.12389551	0.80403372	0.79764611	0.00638761	0.48580036	0.90650187
Casp9	0.10214027	0.12362959	0.11724593	0.00638366	0.40437115	0.90650187
Papd4	0.17946132	0.20345142	0.19707146	0.00637996	0.44278127	0.90650187
A230050P20	0.14993858	0.17380072	0.16742176	0.00637896	0.43274785	0.90650187
Phf10	0.19222047	0.21594749	0.20958467	0.00636282	0.44631975	0.90650187
Mtdh	1.37134655	0.8744056	0.86805584	0.00634976	0.48702898	0.90650187
Haus5	0.09129692	0.1118538	0.10551615	0.00633765	0.39472771	0.90650187
Noxo1	0.04639528	0.0615468	0.05520925	0.00633755	0.30491436	0.90650187
Ccdc6	0.2355721	0.257132	0.25080714	0.00632486	0.45536835	0.90650187
Mipep	0.1435015	0.16714841	0.16082386	0.00632455	0.43060753	0.90650187
Gsk3b	1.31409803	0.86065364	0.85433011	0.00632353	0.48687508	0.90650187
Scd1	0.04161778	0.05599916	0.0496807	0.00631846	0.28590138	0.90650187

Nudt4	0.22233577	0.24473654	0.23842853	0.006308	0.45318615	0.90650187
Dhfr	0.20408771	0.22736024	0.22106512	0.00629511	0.44963072	0.90650187
Ndufb2	1.90847138	0.93335804	0.9270695	0.00628854	0.48797146	0.90650187
H2afy2	0.71166186	0.60854354	0.60226094	0.00628261	0.48150559	0.90650187
Kdf1	0.21210139	0.2349903	0.22873273	0.00625756	0.45159966	0.90650187
Leprotl1	0.52047294	0.48621887	0.47996473	0.00625414	0.47690294	0.90650187
Ushbp1	0.03285479	0.04570043	0.03944872	0.00625171	0.24055254	0.90650187
Lrfn2	0.02347549	0.03461443	0.02836405	0.00625039	0.16363009	0.90650187
Irx2	0.06675286	0.08462583	0.07838182	0.00624401	0.36161559	0.90650187
Cirh1a	0.20762568	0.23070066	0.22445857	0.0062421	0.45080396	0.90650187
Prdm5	0.11948223	0.14200516	0.13577152	0.00623364	0.41913382	0.90650187
Ndufa11	1.96772221	0.93359238	0.92736122	0.00623116	0.48808494	0.90650187
Phlda2	0.02282757	0.03382355	0.02759318	0.00623037	0.15773971	0.90650187
Cd79b	0.01094516	0.01956512	0.0133363	0.00622882	0.01893057	0.27776409
Dtx3l	0.05305882	0.06908035	0.06286242	0.00621793	0.33006658	0.90650187
Faf2	0.65608415	0.5750296	0.56882571	0.00620389	0.48066448	0.90650187
Foxf1	0.03587151	0.04918458	0.04298459	0.00619999	0.26068878	0.90650187
Vdr	0.19618296	0.21963285	0.21343509	0.00619776	0.44864237	0.90650187
Gpr85	0.10798756	0.12973091	0.12353403	0.00619688	0.41176529	0.90650187
Lzts2	0.67754606	0.58812283	0.58192808	0.00619475	0.48112732	0.90650187
Izumo4	0.10546894	0.12702251	0.12083079	0.00619172	0.40989857	0.90650187
Snx24	0.24062251	0.26167199	0.25548402	0.00618797	0.45712666	0.90650187
Angel2	0.4164404	0.4099423	0.40375567	0.00618663	0.47284555	0.90650187
D630024D03	0.01046092	0.01893462	0.01275045	0.00618418	0.01553435	0.23780228
Tnfrsf1b	0.00658131	0.01422349	0.0080428	0.00618068	0.00031735	0.00853823
Enc1	0.14639397	0.16997222	0.16379461	0.00617761	0.43342203	0.90650187
Tmem86b	0.02164162	0.03235608	0.02618045	0.00617563	0.14716702	0.90650187
Eif3a	1.66187246	0.92104295	0.91487405	0.00616891	0.48804298	0.90650187
Rabac1	1.5736436	0.91103866	0.90487037	0.00616828	0.48791205	0.90650187
Hoxb8	0.02617939	0.03773738	0.03157384	0.00616355	0.1927439	0.90650187

Ntrk3	0.06257691	0.07984137	0.07367863	0.00616274	0.35500377	0.90650187
Col25a1	0.03233831	0.04500061	0.03884193	0.00615869	0.24044091	0.90650187
Kif4	0.03747739	0.05101496	0.04486106	0.00615391	0.27098552	0.90650187
Pla2g15	0.07577524	0.09460541	0.08845656	0.00614885	0.37865096	0.90650187
Dock6	0.15611038	0.17984358	0.17370183	0.00614175	0.43754843	0.90650187
Calm2	3.57169527	0.76495151	0.75882247	0.00612905	0.48567811	0.90650187
Olfml2a	0.02505902	0.03637084	0.03024526	0.00612558	0.18396167	0.90650187
Sharpin	0.26438109	0.28325348	0.27714629	0.00610719	0.46098071	0.90650187
Tcirg1	0.08274711	0.10226652	0.09616141	0.00610511	0.38887844	0.90650187
Aldh1a1	0.04645112	0.06137437	0.05527367	0.0061007	0.31182883	0.90650187
Hmgcl	0.50507649	0.475258	0.46915745	0.00610055	0.47695112	0.90650187
Hpse2	0.01096458	0.01945533	0.01335979	0.00609554	0.02126204	0.30347813
Hic2	0.07784844	0.09684465	0.09075498	0.00608967	0.38273678	0.90650187
Hars	0.49560276	0.46851358	0.46243034	0.00608324	0.4766825	0.90650187
Pygl	0.17872413	0.20241035	0.19634306	0.00606729	0.44536686	0.90650187
Hnmt	0.02508839	0.03634669	0.03028012	0.00606657	0.18655322	0.90650187
ErbB3	0.05086806	0.06641784	0.06035371	0.00606413	0.3275534	0.90650187
Myl1	0.0082993	0.01618588	0.01013052	0.00605537	0.00393852	0.07666679
Gm3411	0.01296936	0.02183622	0.01578114	0.00605507	0.04402861	0.53714196
Igf2bp1	0.2987832	0.31360114	0.30755738	0.00604376	0.46519274	0.90650187
Pramef8	0.14386319	0.16723487	0.16119588	0.006039	0.4338625	0.90650187
Adra1a	0.03237464	0.04491919	0.03888463	0.00603456	0.24512216	0.90650187
Itga5	0.14489607	0.16827146	0.16225739	0.00601406	0.43456008	0.90650187
Itgb3bp	0.42321514	0.41496236	0.40895576	0.0060066	0.47396936	0.90650187
Mras	0.13942986	0.16262746	0.15662548	0.00600198	0.43236424	0.90650187
Trub1	0.28297102	0.29970815	0.2937165	0.00599165	0.46387031	0.90650187
Them4	0.13508379	0.15809643	0.15212259	0.00597384	0.43070544	0.90650187
Ak7	0.01053688	0.01880974	0.01284237	0.00596736	0.01942816	0.28258006
Alx4	0.0052065	0.01233399	0.00636863	0.00596536	1.56E-05	0.00054364
Hpse	0.03919416	0.05281307	0.04686268	0.00595038	0.2862137	0.90650187

Cldn23	0.0586805	0.07521534	0.0692671	0.00594825	0.35131888	0.90650187
Rab10os	0.16473925	0.18835671	0.18240922	0.0059475	0.44237515	0.90650187
Tnpo2	0.2152198	0.23761913	0.23169844	0.00592069	0.45477724	0.90650187
Ednra	0.12263469	0.14501905	0.13909941	0.00591964	0.42497149	0.90650187
5730508B09	0.04358051	0.05787113	0.05195621	0.00591493	0.30639056	0.90650187
Zfp367	0.07402438	0.09240689	0.08651069	0.00589621	0.38094727	0.90650187
Brinp1	0.03163082	0.0439011	0.03801006	0.00589104	0.2454089	0.90650187
Saysd1	0.43908874	0.42688866	0.42100491	0.00588375	0.47522985	0.90650187
Cenpi	0.04061323	0.05439557	0.04851378	0.00588179	0.29494912	0.90650187
Zkscan5	0.06152263	0.07836834	0.07248719	0.00588115	0.35916625	0.90650187
Myo5a	0.09275051	0.11297619	0.10709641	0.00587978	0.40358776	0.90650187
Zfat	0.03705019	0.05023656	0.04436226	0.0058743	0.27804081	0.90650187
Gm26699	0.68605661	0.59292506	0.58705669	0.00586837	0.48227707	0.90650187
Cln8	0.22275972	0.24469261	0.23882786	0.00586475	0.4565346	0.90650187
Sgsh	0.03784938	0.0511583	0.04529515	0.00586315	0.28249229	0.90650187
C78197	0.0213102	0.0316327	0.02578525	0.00584745	0.15669043	0.90650187
Plekha1	0.35513233	0.36090877	0.35506658	0.00584219	0.47084455	0.90650187
Fbp1	0.03966527	0.05324436	0.04741116	0.0058332	0.29220241	0.90650187
Mkrn2os	0.05268913	0.06827248	0.06243958	0.00583289	0.33896353	0.90650187
Kif15	0.07060032	0.08852267	0.08269247	0.0058302	0.37697479	0.90650187
Cradd	0.20707413	0.22974793	0.22393041	0.00581752	0.45402716	0.90650187
Sag	0.19272108	0.21588854	0.21007204	0.0058165	0.45101772	0.90650187
Rhox5	0.01315821	0.02181831	0.01600891	0.0058094	0.05334541	0.62090631
Arrb1	0.0418357	0.05574176	0.04993364	0.00580812	0.30254374	0.90650187
Serpinb9	0.08287982	0.10210732	0.0963074	0.00579991	0.39445456	0.90650187
Hdac6	0.33839821	0.34704373	0.3412446	0.00579913	0.46988901	0.90650187
Tbc1d30	0.05771752	0.07395957	0.06817334	0.00578623	0.35296708	0.90650187
Rasd2	0.02955388	0.04134208	0.03556344	0.00577864	0.23503686	0.90650187
Ngf	0.07340387	0.09158521	0.08582001	0.0057652	0.38260505	0.90650187
Nin	0.1542136	0.17753676	0.17177643	0.00576034	0.44074582	0.90650187

H2-Q4	0.14945222	0.17268352	0.166925	0.00575851	0.43905608	0.90650187
Tfpi2	0.06108447	0.07774197	0.07199153	0.00575044	0.36125746	0.90650187
Wdhd1	0.11153635	0.13307794	0.12732956	0.00574838	0.42046654	0.90650187
Hoxa2	0.09560652	0.11593938	0.11019274	0.00574664	0.40833036	0.90650187
Slc18a3	0.00832903	0.01590444	0.0101666	0.00573784	0.00605336	0.10975223
Unc45b	0.02180128	0.03210628	0.02637076	0.00573552	0.16679745	0.90650187
Drc1	0.10713172	0.1283515	0.12261635	0.00573516	0.41763979	0.90650187
Myl7	0.02103694	0.03117947	0.02545927	0.0057202	0.15893591	0.90650187
Zfp13	0.08088938	0.0998344	0.09411515	0.00571925	0.39352111	0.90650187
Strbp	0.56412309	0.51548838	0.50977203	0.00571635	0.48012055	0.90650187
Bicd2	0.19787466	0.22078979	0.21507385	0.00571593	0.45297474	0.90650187
Gm15050	0.07582405	0.09422645	0.08851074	0.0057157	0.38702509	0.90650187
Mat2b	0.56788029	0.51799634	0.51228257	0.00571377	0.48022684	0.90650187
Trp53i13	0.55870876	0.51185009	0.50613929	0.0057108	0.47999742	0.90650187
Trappc6a	0.6304978	0.55858743	0.55287939	0.00570804	0.48169604	0.90650187
Dennd4b	0.03800826	0.05118559	0.0454805	0.00570509	0.28853878	0.90650187
Plec	0.30143361	0.31555224	0.30985453	0.0056977	0.46742387	0.90650187
Sypl2	0.01061975	0.01862294	0.01294264	0.0056803	0.02552274	0.35078764
E530001K10I	0.03555627	0.04829508	0.04261577	0.00567931	0.27677256	0.90650187
Il4ra	0.07878418	0.09746945	0.09179035	0.00567909	0.39163858	0.90650187
Arhgap25	0.01890926	0.02858201	0.02291703	0.00566498	0.1358987	0.90650187
Ptpn6	0.15455494	0.17777998	0.17212323	0.00565675	0.4419201	0.90650187
Trim26	0.35775862	0.36285933	0.35721443	0.0056449	0.47199655	0.90650187
Syk	0.02874092	0.04024577	0.03460393	0.00564183	0.23428342	0.90650187
Jrkl	0.17705694	0.20030609	0.19469355	0.00561254	0.44901279	0.90650187
Stx7	0.84663414	0.68281123	0.67720045	0.00561078	0.48530909	0.90650187
Ptprd	0.17088981	0.1941746	0.18856456	0.00561005	0.44738824	0.90650187
Ccdc42	0.00984682	0.01761596	0.01200693	0.00560903	0.01891163	0.27775432
D630003M21	0.04336792	0.05727988	0.05171002	0.00556986	0.31602226	0.90650187
Fads2	0.04266382	0.05645789	0.05089416	0.00556373	0.31348646	0.90650187

Pde4a	0.06689302	0.08410137	0.07853923	0.00556215	0.37644243	0.90650187
1700021F05I	0.32551052	0.33599245	0.33043687	0.00555558	0.4702095	0.90650187
Cbr3	0.03589073	0.04855734	0.04300707	0.00555027	0.28307632	0.90650187
Gm10392	0.01873724	0.0282472	0.02271117	0.00553603	0.13925932	0.90650187
Kcnma1	0.11422006	0.1357226	0.1301895	0.00553309	0.42507006	0.90650187
Dhx37	0.05862302	0.074731	0.06920184	0.00552915	0.36122023	0.90650187
Arhgap15	0.01498062	0.02373129	0.01820376	0.00552752	0.08852458	0.87809516
Mas1	0.01279898	0.02110253	0.01557562	0.00552692	0.05734058	0.64902021
Itga6	0.26472046	0.28297716	0.27745175	0.00552541	0.4647263	0.90650187
Nfkb2	0.05694148	0.07280937	0.0672909	0.00551847	0.3577122	0.90650187
Ajap1	0.00746502	0.01463132	0.0091173	0.00551403	0.0035871	0.07083898
Impdh1	0.32877108	0.33869666	0.33318458	0.00551208	0.47068564	0.90650187
Pcdhb19	0.0258839	0.03670995	0.03122362	0.00548633	0.21735976	0.90650187
Ccl7	0.01384165	0.02230675	0.01683265	0.0054741	0.07412442	0.77654394
Ddx19a	0.35156376	0.35760189	0.35213904	0.00546285	0.47250826	0.90650187
Cd300lg	0.01385341	0.02230251	0.01684681	0.0054557	0.07498012	0.78120142
Neur13	0.03049107	0.04210689	0.03666828	0.00543861	0.25482955	0.90650187
Taok3	0.44881927	0.43373458	0.42829949	0.00543509	0.47750584	0.90650187
E130114P18I	0.01577249	0.02457984	0.01915579	0.00542406	0.10405213	0.90650187
Pdia2	0.02044579	0.03017011	0.02475367	0.00541644	0.16533654	0.90650187
Slc26a11	0.04933837	0.06400217	0.05859771	0.00540447	0.34089629	0.90650187
Ap3m1	0.39269737	0.39064928	0.38525372	0.00539555	0.47517727	0.90650187
Srgap1	0.12196544	0.14378263	0.13839393	0.0053887	0.4312863	0.90650187
Gm19590	0.06148632	0.07782361	0.07244612	0.00537749	0.37070532	0.90650187
Gab2	0.05104737	0.06593298	0.06055931	0.00537368	0.34661447	0.90650187
Miip	0.06992505	0.0873043	0.08193747	0.00536682	0.38545573	0.90650187
Plxnb3	0.00725983	0.01423092	0.00886793	0.00536299	0.00358832	0.07083898
Ephx2	0.05751707	0.07329809	0.0679455	0.0053526	0.36308862	0.90650187
Fam102b	0.14082705	0.16342069	0.15806835	0.00535233	0.4401724	0.90650187
Zfp174	0.09175981	0.11136848	0.1060197	0.00534878	0.41126801	0.90650187

Gm9885	0.0201122	0.02970282	0.02435525	0.00534757	0.1645071	0.90650187
Fastkd1	0.05679067	0.07245574	0.06711931	0.00533644	0.36187347	0.90650187
Chrna4	0.03185753	0.04361201	0.03827671	0.0053353	0.26774009	0.90650187
Mlip	0.00998538	0.01748783	0.01217474	0.0053131	0.0261851	0.35922146
Cct3	1.658161	0.91978905	0.91447628	0.00531277	0.48969753	0.90650187
Cep63	0.25575894	0.27465709	0.26934866	0.00530843	0.46509104	0.90650187
Thap11	0.52099506	0.48563651	0.4803284	0.00530811	0.48040847	0.90650187
Efr3b	0.01881391	0.02810079	0.02280293	0.00529786	0.15083508	0.90650187
Ppp2r4	0.59191306	0.53342769	0.52813586	0.00529183	0.48223531	0.90650187
Galnt18	0.26982712	0.28732251	0.2820351	0.0052874	0.46678933	0.90650187
Rars	0.60174941	0.5398114	0.53452468	0.00528671	0.48246446	0.90650187
0610010K14I	0.74024772	0.62413291	0.61884729	0.00528562	0.48485571	0.90650187
Pycard	0.33711306	0.34545843	0.34017318	0.00528525	0.4724665	0.90650187
Kcns3	0.02888802	0.04006137	0.03477763	0.00528374	0.24970507	0.90650187
Jph2	0.00922012	0.01653027	0.01124751	0.00528276	0.01839777	0.27310979
Grik5	0.18424767	0.20706235	0.20178624	0.0052761	0.45373147	0.90650187
Cln3	0.18762042	0.21036426	0.2050936	0.00527066	0.45452109	0.90650187
Adipor1	0.95601668	0.73695055	0.73168986	0.00526069	0.4872508	0.90650187
Hist1h4i	0.13608254	0.15841895	0.15315935	0.0052596	0.43933113	0.90650187
Zfp760	0.08933369	0.10862398	0.10337717	0.00524681	0.41074358	0.90650187
Hist1h2ak	0.01594026	0.02460382	0.01935736	0.00524646	0.11412086	0.90650187
Cmklr1	0.04702116	0.06117543	0.05593094	0.00524448	0.33839344	0.90650187
Gab1	0.14639127	0.16902534	0.16379185	0.00523349	0.44352164	0.90650187
Ina	0.01716528	0.0260478	0.02082782	0.00521998	0.13260068	0.90650187
Art4	0.02168658	0.03145317	0.02623404	0.00521913	0.18823188	0.90650187
Dcaf12l1	0.11558961	0.13685917	0.13164556	0.00521361	0.43012295	0.90650187
Cmc2	0.37710124	0.37806741	0.37285916	0.00520825	0.47524237	0.90650187
Rnf165	0.11159021	0.13259011	0.12738704	0.00520307	0.4279566	0.90650187
B3galnt1	0.25393925	0.27289476	0.26769388	0.00520089	0.46558557	0.90650187
Ccm2l	0.01087018	0.01844517	0.01324562	0.00519955	0.04048226	0.50180941

Gm15952	0.02808034	0.03901713	0.03382351	0.00519362	0.24742181	0.90650187
Gpr160	0.02209245	0.0319051	0.02671776	0.00518735	0.19403293	0.90650187
Acad8	0.29460867	0.30908764	0.3039258	0.00516184	0.46990701	0.90650187
Zfp442	0.09949944	0.11955491	0.11439509	0.00515982	0.42053688	0.90650187
BC051077	0.03675503	0.04916275	0.04401748	0.00514527	0.30165251	0.90650187
Nkrf	0.04769551	0.06184682	0.05670787	0.00513896	0.34352269	0.90650187
Fras1	0.11856573	0.13993818	0.13480176	0.00513642	0.43274368	0.90650187
1810043H04	0.66263997	0.57798982	0.57285453	0.00513529	0.48410551	0.90650187
Tbc1d8	0.12574181	0.14749613	0.14236749	0.00512864	0.4363821	0.90650187
Mcl1	0.36730561	0.37009975	0.36497495	0.0051248	0.47511298	0.90650187
B630019K06	0.25522388	0.27398448	0.26886243	0.00512205	0.46625295	0.90650187
Vwc2	0.01880281	0.02790998	0.02278965	0.00512034	0.15893836	0.90650187
Zfp286	0.08777398	0.10678341	0.10167398	0.00510943	0.41161007	0.90650187
Nrip3	0.01964148	0.02889231	0.02379273	0.00509958	0.17033494	0.90650187
Rnpepl1	0.31423574	0.32595803	0.32086246	0.00509557	0.47185807	0.90650187
Frdmd4a	0.2704244	0.28766232	0.28256958	0.00509275	0.46806968	0.90650187
Nexn	0.08289398	0.10140569	0.09632297	0.00508271	0.40726619	0.90650187
Akna	0.02402661	0.03410038	0.02901922	0.00508115	0.21816417	0.90650187
C6	0.01299572	0.02089365	0.01581294	0.00508071	0.07659178	0.79364116
Coa5	0.21094097	0.23270569	0.22762657	0.00507912	0.46049114	0.90650187
Scnn1g	0.00992965	0.01718622	0.01210724	0.00507898	0.0310957	0.40827162
Il6	0.00782647	0.01462815	0.00955641	0.00507174	0.00915341	0.15563866
Tcf3	0.79258326	0.6532691	0.64819858	0.00507052	0.48612932	0.90650187
Pdgfc	0.04114834	0.05420326	0.04913556	0.0050677	0.32329418	0.90650187
Adgrb3	0.09305051	0.112485	0.10742218	0.00506282	0.41702044	0.90650187
Gfra4	0.04921236	0.06350832	0.0584529	0.00505542	0.35030859	0.90650187
Ovol2	0.17752769	0.20021121	0.19515962	0.00505159	0.45419411	0.90650187
Sh3rf3	0.01266463	0.02046476	0.01541352	0.00505125	0.0725729	0.76707662
Pabpn1l	0.10252918	0.12271295	0.11766549	0.00504746	0.42437955	0.90650187
Zfp46	0.11915072	0.14045992	0.13542087	0.00503905	0.4343058	0.90650187

Cldn1	0.01939932	0.02854033	0.02350321	0.00503712	0.17035419	0.90650187
Kat2a	0.26573114	0.28339587	0.27836081	0.00503505	0.46795435	0.90650187
Zfp383	0.1848294	0.20739018	0.20235758	0.0050326	0.45598206	0.90650187
Rtp4	0.04382221	0.05726663	0.05223602	0.00503061	0.33427611	0.90650187
Plcl1	0.12966756	0.15150335	0.14647957	0.00502378	0.43940807	0.90650187
Smim12	0.2792852	0.29546997	0.29045718	0.00501279	0.46942175	0.90650187
Irf9	0.10112748	0.12116404	0.11615242	0.00501162	0.42394386	0.90650187
Epha5	0.01925047	0.02833632	0.0233252	0.00501112	0.16976822	0.90650187
Phactr1	0.16335057	0.1860181	0.18101359	0.00500452	0.45108977	0.90650187
Mfap1b	0.38173585	0.38156121	0.37656229	0.00499892	0.47646967	0.90650187
Hps3	0.07368678	0.09113137	0.08613498	0.00499639	0.39825201	0.90650187
Dus2	0.12056009	0.14190515	0.13691073	0.00499442	0.4355848	0.90650187
Oma1	0.0897529	0.10881978	0.10383436	0.00498542	0.41548883	0.90650187
Ept1	0.24158034	0.26134859	0.25636816	0.00498043	0.46558842	0.90650187
Ccnyl1	0.05271782	0.0674517	0.0624724	0.0049793	0.36154469	0.90650187
Lgals2	0.02314231	0.03294584	0.02796772	0.00497811	0.21438575	0.90650187
Cym	0.00965696	0.01675014	0.01177692	0.00497323	0.03023735	0.40178149
Xpr1	0.32310236	0.3333733	0.32840162	0.00497167	0.47317063	0.90650187
Serpina1c	0.03397225	0.0457142	0.04076013	0.00495407	0.29448538	0.90650187
Spdef	0.01531844	0.02356268	0.01861003	0.00495265	0.11838481	0.90650187
B3galt2	0.02186269	0.03139076	0.02644397	0.00494679	0.20281005	0.90650187
Gm19426	0.07231693	0.089554	0.0846088	0.0049452	0.39749522	0.90650187
Rab22a	0.65263048	0.5716358	0.56669418	0.00494162	0.48453846	0.90650187
Nr4a2	0.09810236	0.1178205	0.11288937	0.00493113	0.42301399	0.90650187
Mospd3	0.39686755	0.3934659	0.38853522	0.00493068	0.47750494	0.90650187
Helz2	0.04246719	0.05559121	0.05066619	0.00492502	0.33282132	0.90650187
Fbxo2	0.06025088	0.07596939	0.07104779	0.0049216	0.37905843	0.90650187
Spryd4	0.12138648	0.14269854	0.13778318	0.00491535	0.43699397	0.90650187
Atp2b4	0.26995266	0.28706055	0.28214747	0.00491308	0.46914788	0.90650187
Chrm3	0.05744173	0.07277284	0.06785983	0.004913	0.37377983	0.90650187

Pi16	0.06257391	0.07858796	0.07367524	0.00491271	0.3834486	0.90650187
Tmem18	0.08882332	0.10773204	0.10282022	0.00491182	0.41590893	0.90650187
RP24-308M1	0.01551078	0.02374402	0.01884126	0.00490276	0.12367546	0.90650187
Frmd6	0.1419492	0.16411707	0.15922554	0.00489154	0.4456843	0.90650187
P2ry12	0.01252258	0.02013309	0.0152421	0.00489099	0.07685668	0.79500368
Zfp738	0.06086752	0.07663593	0.07174602	0.00488992	0.38094705	0.90650187
Ccbe1	0.02492074	0.03497007	0.03008115	0.00488892	0.2349876	0.90650187
Tmem221	0.03990416	0.05257697	0.04768915	0.00488782	0.32432271	0.90650187
Garnl3	0.07466431	0.09210869	0.0872224	0.00488629	0.40166203	0.90650187
Mt3	0.05185597	0.06637204	0.06148589	0.00488615	0.36193832	0.90650187
A730017C20	0.01388729	0.02176953	0.01688763	0.00488189	0.09937157	0.90650187
Rasa4	0.03238244	0.04377512	0.03889379	0.00488133	0.28844199	0.90650187
Casp7	0.15929671	0.18180244	0.17692698	0.00487546	0.45124969	0.90650187
Gm28707	0.01192058	0.01938477	0.01451526	0.00486951	0.06792961	0.73233904
Dcun1d2	0.12024869	0.14145092	0.13658175	0.00486917	0.4370366	0.90650187
Ano10	0.20986216	0.23146396	0.22659694	0.00486701	0.46196444	0.90650187
Prosc	0.41414339	0.40684603	0.4019844	0.00486163	0.47856101	0.90650187
Guf1	0.43556524	0.42320189	0.41834616	0.00485572	0.47942374	0.90650187
Alkbh1	0.56584822	0.51578098	0.5109258	0.00485518	0.48315157	0.90650187
5730455P16	0.23220216	0.2525227	0.24767233	0.00485036	0.46531119	0.90650187
Cyb561	0.36327664	0.36654412	0.36170889	0.00483522	0.47630577	0.90650187
Fmnl2	0.18625272	0.20856822	0.20375391	0.0048143	0.45817168	0.90650187
Ccz1	0.66014241	0.57613659	0.57132234	0.00481424	0.48505877	0.90650187
Lrrn4cl	0.04873365	0.06270962	0.05790256	0.00480707	0.35603631	0.90650187
Ccdc97	0.15198213	0.17431062	0.16950601	0.0048046	0.44986222	0.90650187
Tctex1d2	0.51624658	0.48181541	0.47701384	0.00480158	0.48215367	0.90650187
4833420G17	0.3449349	0.35145714	0.34667271	0.00478443	0.47553871	0.90650187
Nadk2	0.09756424	0.11708858	0.11230869	0.00477989	0.42496552	0.90650187
Nek6	0.25323222	0.27180823	0.26705005	0.00475818	0.46843288	0.90650187
Pold1	0.11509266	0.13587509	0.13111749	0.0047576	0.435925	0.90650187

Plce1	0.06281778	0.07870582	0.07395061	0.00475521	0.38749122	0.90650187
Mag	0.01280399	0.0203182	0.01558166	0.00473654	0.08828653	0.8765797
Cog4	0.38845678	0.38663396	0.38190244	0.00473151	0.47803813	0.90650187
Csmd1	0.01716744	0.02556034	0.02083041	0.00472993	0.15637745	0.90650187
Parp16	0.07678427	0.09430515	0.08957598	0.00472918	0.40721832	0.90650187
Gm17586	0.06220555	0.07797839	0.07325914	0.00471925	0.38729377	0.90650187
Kcnk6	0.03223225	0.04343084	0.03871728	0.00471357	0.29417718	0.90650187
Grin3a	0.04674191	0.06032159	0.05560903	0.00471256	0.35318302	0.90650187
Zfp418	0.01940832	0.02822175	0.02351398	0.00470777	0.18671625	0.90650187
Zdhhc15	0.06751867	0.08394755	0.07924154	0.00470601	0.39588369	0.90650187
Ap3s2	0.42305706	0.41353961	0.40883484	0.00470477	0.47959943	0.90650187
Dapl1	0.01204937	0.01937544	0.01467081	0.00470464	0.07698926	0.79547148
2410021H03	0.05454528	0.06926184	0.06456051	0.00470133	0.3730706	0.90650187
Klhl5	0.04581561	0.05924096	0.05454031	0.00470065	0.35080343	0.90650187
Zfp180	0.09185415	0.11081632	0.10612229	0.00469403	0.42205486	0.90650187
Ptk7	0.15909118	0.18140417	0.1767193	0.00468487	0.45309162	0.90650187
Pus7l	0.07637736	0.09380231	0.08912472	0.00467759	0.40775589	0.90650187
Srcap	0.1187737	0.13969877	0.1350219	0.00467687	0.43881026	0.90650187
Kntc1	0.02289317	0.0323455	0.02767126	0.00467424	0.22634019	0.90650187
Proser2	0.11829932	0.13919109	0.13451967	0.00467142	0.43865462	0.90650187
Espl1	0.0185184	0.02711549	0.02244922	0.00466627	0.17772808	0.90650187
1700012C14I	0.02528205	0.03517482	0.03050989	0.00466493	0.24833844	0.90650187
Mob1a	0.27211647	0.28874626	0.28408187	0.00466439	0.47090577	0.90650187
Dapk2	0.02014646	0.02905319	0.02439617	0.00465702	0.19804409	0.90650187
Atg5	0.39007718	0.3878329	0.38318467	0.00464823	0.47849646	0.90650187
Gda	0.02144302	0.03058342	0.02594365	0.00463977	0.21329118	0.90650187
Amph	0.037776	0.0498382	0.04520954	0.00462866	0.3245	0.90650187
Gm26542	0.01850304	0.0270563	0.02243083	0.00462547	0.17964201	0.90650187
Ache	0.01220279	0.019472	0.01485606	0.00461594	0.08359379	0.84264534
Sult4a1	0.06004274	0.07541104	0.07081198	0.00459905	0.3863938	0.90650187

Gstt2	0.17272506	0.19498706	0.19039307	0.004594	0.45728815	0.90650187
ler5l	0.03421342	0.04563654	0.04104291	0.00459364	0.30939546	0.90650187
Bmp5	0.01339933	0.02088139	0.01629961	0.00458177	0.10571437	0.90650187
Ska1	0.05631871	0.07116123	0.0665821	0.00457913	0.37990019	0.90650187
Trmt61a	0.1617677	0.18399835	0.17942015	0.00457821	0.45484201	0.90650187
Gyg	0.44534486	0.43027141	0.42570332	0.00456809	0.4809759	0.90650187
Adam19	0.1159558	0.13658903	0.13203449	0.00455454	0.43906053	0.90650187
Hspb7	0.04004514	0.0523971	0.04785317	0.00454393	0.33646299	0.90650187
Apaf1	0.12988707	0.15124397	0.14670895	0.00453502	0.44534891	0.90650187
Dpp6	0.07314819	0.09006985	0.08553525	0.0045346	0.40684005	0.90650187
Sec61a1	0.8551155	0.68616221	0.68163351	0.0045287	0.4882185	0.90650187
Cerkl	0.10826724	0.12836231	0.12383372	0.00452859	0.43542638	0.90650187
Slc19a1	0.14137993	0.16315887	0.15863868	0.00452019	0.4496002	0.90650187
Ccbl2	0.09332939	0.11224145	0.10772491	0.00451654	0.42606987	0.90650187
Epsti1	0.02295041	0.03225479	0.02773938	0.00451541	0.23463867	0.90650187
Ubxn4	1.35845181	0.86961216	0.86509906	0.00451311	0.49074851	0.90650187
Pik3ap1	0.01763998	0.02590131	0.02139696	0.00450435	0.17467267	0.90650187
Atp6v0a1	0.23868538	0.25819722	0.25369314	0.00450408	0.46854512	0.90650187
Ppp1r37	0.49838227	0.46891063	0.46441015	0.00450048	0.48281838	0.90650187
Ganc	0.11542035	0.13595886	0.13146573	0.00449313	0.43961784	0.90650187
Ccdc137	0.2428398	0.26202161	0.25752935	0.00449226	0.46909389	0.90650187
Arrdc3	0.26065049	0.27827171	0.27378115	0.00449056	0.47093617	0.90650187
Dtwd2	0.04312853	0.05592137	0.05143272	0.00448865	0.34901611	0.90650187
Akr1b3	0.5522266	0.50625418	0.50176678	0.0044874	0.48414305	0.90650187
Prr11	0.06874708	0.08510505	0.08061882	0.00448624	0.40230437	0.90650187
Tlr13	0.00784564	0.01406198	0.0095797	0.00448228	0.0187594	0.27607614
Cbr2	0.00784564	0.01406198	0.0095797	0.00448228	0.0187594	0.27607614
5031425E22l	0.39394594	0.39071882	0.38623779	0.00448103	0.47943299	0.90650187
C920006O11	0.05688708	0.07170579	0.06722901	0.00447678	0.38360245	0.90650187
Ppp1r21	0.20234086	0.22385444	0.21938479	0.00446965	0.46391598	0.90650187

Nwd2	0.00710427	0.01313286	0.00867883	0.00445403	0.01125898	0.18462538
Grem1	0.01669179	0.02471249	0.02025975	0.00445274	0.16426806	0.90650187
Gabra1	0.05096942	0.06491296	0.06046994	0.00444302	0.37196994	0.90650187
Adora3	0.01314549	0.02042816	0.01599357	0.00443459	0.10885329	0.90650187
Atxn1	0.18473975	0.20670097	0.20226955	0.00443142	0.46120578	0.90650187
Sh2b1	0.2426715	0.26180473	0.25737427	0.00443046	0.46949988	0.90650187
Myrf	0.17405817	0.19613124	0.19171888	0.00441236	0.45925353	0.90650187
Bcl9l	0.14863805	0.17048972	0.16609272	0.004397	0.45315693	0.90650187
Slc35d2	0.04494123	0.05792332	0.05353031	0.00439301	0.35761825	0.90650187
Itga1	0.0617326	0.07711497	0.0727246	0.00439037	0.39420326	0.90650187
Nmrk1	0.17037642	0.19243197	0.18805239	0.00437958	0.4587694	0.90650187
Trim59	0.10397641	0.12360026	0.11922511	0.00437516	0.43520462	0.90650187
Acadsb	0.34530105	0.35134179	0.34697571	0.00436609	0.47769471	0.90650187
Il17re	0.11276385	0.1330014	0.12863877	0.00436263	0.44007959	0.90650187
Cib2	0.2471109	0.26581627	0.26145561	0.00436067	0.47044724	0.90650187
Sgip1	0.02951884	0.03987844	0.03552211	0.00435633	0.29280938	0.90650187
Mansc4	0.01045435	0.01709177	0.01274249	0.00434928	0.06458526	0.70630256
Syt1	0.03096715	0.04157442	0.037229	0.00434542	0.3019162	0.90650187
B230118H07	0.5094492	0.47658657	0.4722426	0.00434398	0.48369044	0.90650187
Slc25a26	0.06138349	0.07667188	0.07232982	0.00434206	0.39478242	0.90650187
Shisa8	0.01921077	0.0276125	0.02327772	0.00433478	0.20387468	0.90650187
Stox1	0.06027583	0.07541004	0.07107605	0.00433398	0.39316534	0.90650187
Armt1	0.16355855	0.18555018	0.18122274	0.00432744	0.45772883	0.90650187
RP23-49I18.5	0.01484275	0.02236228	0.01803791	0.00432438	0.14326117	0.90650187
Mblac1	0.07674207	0.09385068	0.08952918	0.0043215	0.4150452	0.90650187
1700112E06I	0.02659084	0.03638131	0.03206126	0.00432005	0.27458072	0.90650187
Kdm6a	0.2722599	0.28852884	0.28420989	0.00431895	0.47306919	0.90650187
Rhot1	0.42153302	0.41198133	0.40766809	0.00431324	0.48124236	0.90650187
Hnrnpm	1.66398425	0.9193835	0.91509899	0.00428451	0.49169685	0.90650187
Dpy19l4	0.06960614	0.08586392	0.08158067	0.00428325	0.40772194	0.90650187

Appl1	0.43296683	0.42065776	0.41637972	0.00427804	0.48178432	0.90650187
Cab39l	0.19237582	0.21401234	0.20973594	0.0042764	0.46388797	0.90650187
Atp6v0e2	0.31689708	0.32740715	0.32313273	0.00427443	0.47655297	0.90650187
Arhgap11a	0.05212436	0.06606565	0.06179322	0.00427244	0.37927974	0.90650187
Ephb1	0.02464511	0.03402455	0.02975392	0.00427063	0.26170893	0.90650187
Crybg3	0.0887489	0.10700428	0.10273898	0.0042653	0.42678575	0.90650187
5330434G04	0.02576818	0.03534778	0.03108644	0.00426133	0.27112822	0.90650187
Evc	0.09548874	0.11432325	0.11006527	0.00425798	0.43172568	0.90650187
Btnl9	0.01178055	0.01860334	0.01434611	0.00425723	0.09354418	0.90571023
Fzd4	0.12344414	0.14420886	0.13995196	0.00425689	0.44621853	0.90650187
Adamts14	0.03548011	0.04678228	0.04252663	0.00425566	0.32820558	0.90650187
Arhgap44	0.12526499	0.14611952	0.14186677	0.00425275	0.44699143	0.90650187
Gspt2	0.14519081	0.16681022	0.16256007	0.00425015	0.45373478	0.90650187
Rnf135	0.1596763	0.18155307	0.17731043	0.00424263	0.45764312	0.90650187
Ublcp1	0.2118386	0.23272328	0.22848235	0.00424093	0.46711812	0.90650187
Pirt	0.00938397	0.01568541	0.01144611	0.00423929	0.04982861	0.58991024
Trib3	0.02620661	0.03584247	0.03160609	0.00423638	0.2756295	0.90650187
Arhgap28	0.12458791	0.14539032	0.14115528	0.00423504	0.44694635	0.90650187
Rps24	4.76076867	0.57632317	0.57210016	0.00422301	0.4869108	0.90650187
Gid8	0.41517114	0.40699571	0.4027774	0.0042183	0.48143235	0.90650187
Gm1976	0.02911129	0.03924396	0.0350412	0.00420276	0.29694906	0.90650187
Mirt1	0.01996928	0.02838694	0.02418449	0.00420245	0.21991033	0.90650187
Mkx	0.02926415	0.03941782	0.0352216	0.00419622	0.2981811	0.90650187
A730046J19F	0.02218761	0.03101573	0.02683112	0.00418461	0.24404743	0.90650187
Jag2	0.02042305	0.02891029	0.02472651	0.00418378	0.22596324	0.90650187
1810012K16l	0.01191323	0.01868494	0.01450638	0.00417856	0.10017483	0.90650187
4930403P22l	0.02183974	0.03059176	0.02641661	0.00417515	0.2411435	0.90650187
Map3k8	0.07448555	0.09119437	0.08702365	0.00417072	0.4156395	0.90650187
Impact	0.26165016	0.27883684	0.27468419	0.00415265	0.47320797	0.90650187
Disp1	0.09260514	0.1110813	0.10693851	0.00414279	0.43163125	0.90650187

Txlna	0.66855429	0.58060734	0.57646911	0.00413823	0.48727067	0.90650187
Tmem17	0.14713813	0.16869273	0.16455733	0.00413539	0.45552273	0.90650187
Tgfbr3	0.13975879	0.16109657	0.15696537	0.0041312	0.45342817	0.90650187
6430573F11I	0.06270153	0.077947	0.07381936	0.00412764	0.40184358	0.90650187
Aak1	0.31142091	0.32258027	0.31845453	0.00412574	0.47703557	0.90650187
Igsf5	0.14785567	0.16941507	0.16529217	0.00412291	0.45585279	0.90650187
Dpy19l1	0.09734761	0.11619497	0.11207481	0.00412016	0.43508909	0.90650187
Kantr	0.04674827	0.05972996	0.05561635	0.00411361	0.37114777	0.90650187
Ptx3	0.0313438	0.04178497	0.03767235	0.00411262	0.31372526	0.90650187
1110032F04I	0.0069658	0.01262194	0.00851046	0.00411149	0.01586811	0.24169445
Nxph4	0.02146138	0.03007645	0.02596554	0.0041109	0.24076782	0.90650187
Nradd	0.11843728	0.13877223	0.13466575	0.00410648	0.44608306	0.90650187
Casp12	0.09926142	0.11823776	0.11413876	0.00409901	0.4365773	0.90650187
Efcc1	0.07108845	0.08733276	0.08323784	0.00409493	0.41344038	0.90650187
A230065H16	0.00987381	0.01613212	0.01203961	0.00409251	0.06537484	0.71135498
Akr1b10	0.07987342	0.09707571	0.092994	0.00408171	0.42264668	0.90650187
Sox5	0.09367774	0.11218338	0.10810291	0.00408047	0.43336854	0.90650187
Tacc2	0.16579777	0.187551	0.18347157	0.00407943	0.46063004	0.90650187
Gm26532	0.02357442	0.03255138	0.0284817	0.00406968	0.26264166	0.90650187
Socs4	0.23798268	0.25710997	0.25304259	0.00406738	0.47151653	0.90650187
Cdr2	0.10057983	0.11959815	0.11556059	0.00403756	0.43828264	0.90650187
Nxf1	1.16722074	0.81612698	0.81209207	0.00403491	0.49118882	0.90650187
Mrap2	0.03049401	0.04069568	0.03667174	0.00402394	0.31284225	0.90650187
Mrgbp	0.21563467	0.23611616	0.23209224	0.00402393	0.46928146	0.90650187
Irx1	0.04929154	0.06256668	0.0585439	0.00402278	0.3800021	0.90650187
Gpatch2l	0.05260594	0.06636613	0.0623444	0.00402173	0.38714112	0.90650187
Prkx	0.10068892	0.11969901	0.1156785	0.00402051	0.43860342	0.90650187
Osbp10	0.0198445	0.02805494	0.02403539	0.00401956	0.22860146	0.90650187
Rasgef1a	0.01321954	0.02009959	0.01608286	0.00401673	0.13343478	0.90650187
Epm2aip1	0.38200592	0.38078712	0.37677756	0.00400956	0.48113355	0.90650187

Oit3	0.01018046	0.01641626	0.01241096	0.0040053	0.07568628	0.78632364
Depdc7	0.03912794	0.05078213	0.04678555	0.00399657	0.35206246	0.90650187
Hgsnat	0.20038843	0.22149706	0.21750289	0.00399417	0.46746729	0.90650187
Ccdc88b	0.01256031	0.01928083	0.01528763	0.0039932	0.12277789	0.90650187
Casp8ap2	0.37484993	0.37504672	0.3710542	0.00399252	0.48092407	0.90650187
Gm9242	0.02299477	0.03178281	0.02779217	0.00399064	0.26162679	0.90650187
Dnah1	0.02518646	0.03438617	0.03039648	0.00398969	0.27977583	0.90650187
Inpp4b	0.01982314	0.02798209	0.02400985	0.00397224	0.23102039	0.90650187
BC030867	0.02435646	0.0333822	0.02941112	0.00397108	0.27417188	0.90650187
Arhgef19	0.09252112	0.11081213	0.10684723	0.0039649	0.43448455	0.90650187
Dnajc14	0.46014991	0.4406586	0.4367067	0.0039519	0.48395499	0.90650187
Ficd	0.1368869	0.15793724	0.15399347	0.00394377	0.45467761	0.90650187
Tead4	0.01737924	0.0250213	0.02108439	0.00393691	0.20324403	0.90650187
Il2	0.14826019	0.16963759	0.16570617	0.00393142	0.45800023	0.90650187
Nup214	0.21110561	0.23168893	0.22778359	0.00390534	0.46962215	0.90650187
Arsa	0.1628795	0.18444378	0.18053966	0.00390412	0.4617067	0.90650187
E2f3	0.07669089	0.09337062	0.08947244	0.00389819	0.42320981	0.90650187
Gtf2e2	1.03522903	0.76883662	0.76494291	0.00389372	0.49097308	0.90650187
Cnr1	0.02232908	0.03087975	0.02699964	0.00388011	0.26145173	0.90650187
Patl1	0.14841159	0.16973644	0.16586108	0.00387536	0.45863542	0.90650187
Zfp456	0.02438285	0.03329863	0.02944247	0.00385616	0.28019801	0.90650187
Lrrc4b	0.0106102	0.01678549	0.0129311	0.0038544	0.09256732	0.90084241
Sumo3	1.29433873	0.85319663	0.84935008	0.00384655	0.4919685	0.90650187
Msantd2	0.07972136	0.09667214	0.09282607	0.00384608	0.42693007	0.90650187
Slc5a6	0.03099081	0.04108198	0.03725686	0.00382512	0.3240419	0.90650187
Wnt5b	0.05118257	0.06453428	0.0607143	0.00381998	0.38985164	0.90650187
Mfsd5	0.14095609	0.1620185	0.15820149	0.00381701	0.45729081	0.90650187
Rpl7a-ps5	0.28423024	0.29864266	0.29482714	0.00381552	0.47706028	0.90650187
Slc2a10	0.04610167	0.05868396	0.0548705	0.00381347	0.37867332	0.90650187
Poln	0.01253456	0.01906216	0.01525656	0.00380561	0.1337334	0.90650187

Ccdc167	0.38368682	0.38191494	0.37811609	0.00379885	0.48218753	0.90650187
Fam220a	0.62914489	0.55582009	0.55202612	0.00379397	0.48781269	0.90650187
Rbm17	0.8382239	0.67656263	0.67277455	0.00378807	0.49001508	0.90650187
Rnf213	0.07540285	0.09183036	0.08804306	0.0037873	0.42417104	0.90650187
Parp2	0.31921863	0.32888714	0.32510809	0.00377905	0.47939359	0.90650187
Gm4737	0.0122999	0.01874746	0.0149733	0.00377416	0.13123846	0.90650187
Pak1	0.15585703	0.17721077	0.17344489	0.00376588	0.46155218	0.90650187
Pcsk9	0.01861437	0.02632292	0.0225641	0.00375882	0.22947786	0.90650187
Susd3	0.00963364	0.01550723	0.01174867	0.00375856	0.07748261	0.79797634
Gpr157	0.0480065	0.06082161	0.05706592	0.00375569	0.3849218	0.90650187
Pdcd2	0.36740942	0.36881458	0.36505893	0.00375565	0.48176055	0.90650187
Fam120aos	0.05472824	0.068513	0.06476929	0.00374371	0.39860505	0.90650187
Syde1	0.14043102	0.16140211	0.15765961	0.0037425	0.45797799	0.90650187
Frem1	0.04700362	0.05965242	0.05591073	0.00374169	0.38303801	0.90650187
Rasgef1b	0.02451771	0.0333438	0.02960265	0.00374115	0.28711562	0.90650187
Gm6169	0.03312393	0.04350537	0.03976475	0.00374063	0.33790287	0.90650187
Il27ra	0.01855422	0.02623125	0.0224921	0.00373915	0.22993798	0.90650187
Col17a1	0.01960022	0.02748104	0.02374341	0.00373763	0.24202089	0.90650187
Ltb	0.01115879	0.01732751	0.01359464	0.00373287	0.11110129	0.90650187
Gbf1	0.42319519	0.41267005	0.4089405	0.00372955	0.48382968	0.90650187
Myh11	0.01882357	0.02654343	0.02281449	0.00372894	0.23373042	0.90650187
Fundc1	0.42538042	0.41433742	0.41061022	0.00372721	0.48390553	0.90650187
Mrps12	1.17724712	0.81905155	0.81532792	0.00372363	0.49190074	0.90650187
Dab1	0.04786701	0.0606289	0.05690534	0.00372355	0.38556603	0.90650187
Rnf125	0.03173771	0.04184657	0.03813579	0.00371078	0.33266092	0.90650187
Raet1e	0.03191633	0.04205074	0.03834586	0.00370488	0.33377124	0.90650187
Cd1d1	0.16507361	0.18644903	0.18274493	0.0037041	0.46410024	0.90650187
Gdap1	0.10771659	0.12694686	0.12324358	0.00370329	0.44686584	0.90650187
Abcb9	0.29000834	0.30360025	0.29990483	0.00369542	0.47815743	0.90650187
Fam214a	0.07779887	0.09439382	0.09070009	0.00369373	0.42816585	0.90650187

Akr1cl	0.01636658	0.02355544	0.01986936	0.00368608	0.20476234	0.90650187
Mbd1	0.20348125	0.22416786	0.22048212	0.00368575	0.47037941	0.90650187
Fam188b	0.07187443	0.08778804	0.08411523	0.0036728	0.42304379	0.90650187
Impad1	0.53828086	0.49593693	0.49227076	0.00366617	0.48679404	0.90650187
Scml4	0.0317958	0.04186978	0.03820412	0.00366566	0.33485241	0.90650187
Gm15915	0.06317772	0.07802089	0.07435688	0.00366401	0.41330097	0.90650187
Abhd8	0.4926442	0.46397986	0.46031696	0.0036629	0.48589028	0.90650187
Ampd3	0.01448774	0.02126666	0.01761068	0.00365598	0.17802732	0.90650187
Tbx18	0.01915046	0.02686108	0.02320559	0.0036555	0.24186973	0.90650187
Atg9a	0.17726418	0.19855252	0.19489876	0.00365376	0.46678999	0.90650187
Smg7	0.28465545	0.29885026	0.29520185	0.00364842	0.47809174	0.90650187
Cdc14a	0.05810505	0.07225461	0.06861366	0.00364095	0.4067535	0.90650187
Cxcl5	0.01004403	0.01588585	0.01224575	0.00364009	0.09317203	0.90318385
Unkl	0.06234586	0.07705621	0.07341766	0.00363854	0.41281019	0.90650187
Wdr38	0.01667611	0.02386452	0.02024093	0.00362359	0.21305495	0.90650187
Tmem178	0.05305935	0.06647936	0.06286303	0.00361633	0.39907459	0.90650187
Mgat1	0.37603447	0.37562009	0.37200439	0.0036157	0.48276744	0.90650187
Wdr60	0.19808046	0.21888214	0.215273	0.00360914	0.47029339	0.90650187
Rpain	0.26734063	0.28341198	0.27980649	0.00360549	0.47715925	0.90650187
Erp29	1.99627369	0.93074154	0.92713711	0.00360443	0.49310535	0.90650187
Plbd1	0.00983763	0.01559259	0.01199579	0.0035968	0.09127201	0.89511343
Agtr1a	0.05753541	0.07155528	0.06796634	0.00358894	0.40720197	0.90650187
Kcnn4	0.03545857	0.04609021	0.04250143	0.00358878	0.35368787	0.90650187
Preli2	0.1136023	0.13311876	0.12953197	0.00358679	0.45101374	0.90650187
Chl1	0.01840057	0.02588807	0.02230814	0.00357993	0.23779459	0.90650187
Wfdc16	0.04723832	0.05976047	0.05618122	0.00357925	0.38850201	0.90650187
Hbegf	0.07775455	0.09421642	0.09065102	0.00356541	0.43059848	0.90650187
Cxcr4	0.02601762	0.03494229	0.03138213	0.00356017	0.30701312	0.90650187
Ogdh	0.51316707	0.47841164	0.47485595	0.00355569	0.48672229	0.90650187
Tpm3	1.44614557	0.88719826	0.88365269	0.00354558	0.49288421	0.90650187

Insig2	0.46489606	0.4437377	0.44020158	0.00353612	0.48575624	0.90650187
Mar-11	0.05008179	0.06298215	0.05945155	0.00353059	0.39588729	0.90650187
Tram1l1	0.10225037	0.12088863	0.11736472	0.00352391	0.4469067	0.90650187
Fam19a1	0.03129211	0.04113378	0.03761153	0.00352225	0.33858697	0.90650187
Plxdc1	0.01479121	0.02149628	0.01797589	0.0035204	0.19197894	0.90650187
Hal	0.02755354	0.03672012	0.03320064	0.00351948	0.31872675	0.90650187
Kcna4	0.00908311	0.01458965	0.01108139	0.00350825	0.07964953	0.81595645
Fbxo44	0.19048085	0.2113929	0.20788893	0.00350396	0.47013497	0.90650187
Dennd4c	0.25030246	0.26788004	0.26437707	0.00350297	0.47651434	0.90650187
Nkx2-5	0.01013733	0.01585979	0.01235873	0.00350107	0.10394615	0.90650187
Lpcat3	0.57103904	0.51788543	0.51438568	0.00349975	0.48793513	0.90650187
Mtap7d3	0.03083154	0.04056346	0.03706931	0.00349415	0.33759259	0.90650187
Ngly1	0.27455589	0.28975067	0.28625668	0.00349399	0.47836314	0.90650187
Nr4a1	0.09582972	0.11391834	0.11043425	0.0034841	0.44422935	0.90650187
Tcte2	0.036917	0.04769072	0.0442067	0.00348402	0.36303152	0.90650187
Fam89a	0.06717893	0.08234234	0.07886025	0.00348209	0.422189	0.90650187
Taf1a	0.10528058	0.12410957	0.1206283	0.00348126	0.4489567	0.90650187
Cr1l	0.54867014	0.50283793	0.49935689	0.00348104	0.48763854	0.90650187
Mier3	0.23657506	0.25521863	0.25173793	0.0034807	0.47549329	0.90650187
Btg3	0.08709119	0.10440293	0.10092731	0.00347562	0.43916252	0.90650187
Cypt3	0.01675945	0.02381221	0.02034094	0.00347127	0.22402749	0.90650187
Adamts16	0.05762341	0.07152617	0.06806637	0.00345981	0.4106125	0.90650187
Sphk2	0.30230042	0.31405679	0.31060445	0.00345234	0.48029527	0.90650187
2210404O09	0.06353868	0.07820722	0.07476411	0.00344311	0.41889017	0.90650187
Dio1	0.05270122	0.06589471	0.06245341	0.0034413	0.40324322	0.90650187
D15Ertd621e	0.23988308	0.25824103	0.25480085	0.00344018	0.476069	0.90650187
Magi1	0.11098532	0.13016643	0.12674124	0.0034252	0.45218494	0.90650187
Syt6	0.02548008	0.03416025	0.0307448	0.00341545	0.31070109	0.90650187
Akap17b	0.18402731	0.20498093	0.20156973	0.0034112	0.47001434	0.90650187
Rab6a	0.92662328	0.7210789	0.71767324	0.00340566	0.49158444	0.90650187

Scn3b	0.04668516	0.05894637	0.05554359	0.00340278	0.39267556	0.90650187
Isg2012	0.22215022	0.24165513	0.23825371	0.00340142	0.47469709	0.90650187
Hoxa1	0.02177173	0.02972506	0.02633555	0.00338952	0.28360282	0.90650187
Shc1	0.4803125	0.45482904	0.45144258	0.00338646	0.48669841	0.90650187
Nsun7	0.02468286	0.03318322	0.02979875	0.00338447	0.30680694	0.90650187
Cd177	0.01098419	0.01676699	0.01338351	0.00338348	0.13052973	0.90650187
Fst	0.01502424	0.02163308	0.01825623	0.00337685	0.20545204	0.90650187
Nfatc1	0.06284905	0.07735817	0.07398591	0.00337226	0.41971235	0.90650187
Zcchc6	0.38343162	0.38128525	0.37791301	0.00337224	0.48417827	0.90650187
Tmem252	0.01171724	0.01763953	0.01426962	0.00336991	0.14688802	0.90650187
Dnase2a	0.32323385	0.33188063	0.32851288	0.00336775	0.48182485	0.90650187
Gm17501	0.01465524	0.02117797	0.01781228	0.0033657	0.20045026	0.90650187
Ubxn2a	0.36348375	0.36524205	0.36187711	0.00336494	0.48351333	0.90650187
Mtch1	0.69106296	0.59341989	0.59005642	0.00336347	0.48989145	0.90650187
Ank3	0.459177	0.4393514	0.43598835	0.00336305	0.48632227	0.90650187
Asphd1	0.05656816	0.0702253	0.06686608	0.00335922	0.41163594	0.90650187
Ms4a8a	0.00983896	0.01535109	0.0119974	0.00335369	0.10698889	0.90650187
Hist1h2bk	0.00956394	0.01501667	0.01166422	0.00335245	0.1006734	0.90650187
Lrrc3b	0.0426339	0.05420943	0.05085948	0.00334994	0.38483093	0.90650187
Asah1	0.81335783	0.6628473	0.65950049	0.00334681	0.49100045	0.90650187
Cep41	0.14047777	0.16105168	0.15770787	0.00334381	0.46245197	0.90650187
Tex15	0.03058533	0.04012003	0.03677933	0.00334069	0.34318072	0.90650187
Tbc1d24	0.15832312	0.17928307	0.17594276	0.00334032	0.46636883	0.90650187
Riad1	0.22570542	0.24492665	0.24159673	0.00332992	0.47557064	0.90650187
Gm4924	0.04017856	0.05131535	0.04800836	0.00330698	0.37971516	0.90650187
Rerg	0.07310605	0.08879357	0.08548831	0.00330527	0.43176506	0.90650187
Gpr107	0.3787279	0.37745675	0.37416082	0.00329592	0.48438116	0.90650187
Tspan2	0.13490812	0.15523247	0.15194012	0.00329235	0.46162892	0.90650187
Tmem238	0.38261347	0.38054702	0.37726162	0.0032854	0.4845589	0.90650187
Ccdc64	0.09311954	0.11078122	0.10749713	0.00328409	0.44598354	0.90650187

Iqgap2	0.16276399	0.18370405	0.18042342	0.00328063	0.46778687	0.90650187
Slc41a2	0.01100497	0.0166878	0.01340864	0.00327917	0.1384738	0.90650187
Cdk14	0.29589993	0.30832612	0.305051	0.00327511	0.48096599	0.90650187
Zfp300	0.01965528	0.02706915	0.02380923	0.00325992	0.27136689	0.90650187
Nhlh1	0.00949851	0.01484431	0.01158493	0.00325938	0.10551202	0.90650187
Rasgrf1	0.11214488	0.13123498	0.12797883	0.00325615	0.45497201	0.90650187
Gjb3	0.01870181	0.02591084	0.02266877	0.00324208	0.26245038	0.90650187
Vwa9	0.21675525	0.23639393	0.23315502	0.00323891	0.47537824	0.90650187
Psmc4	1.5897215	0.91001562	0.90677839	0.00323723	0.49366866	0.90650187
Sytl1	0.13692789	0.15726963	0.15403596	0.00323367	0.46282213	0.90650187
Aff1	0.08003763	0.09640044	0.0931753	0.00322514	0.43885275	0.90650187
Gm14391	0.02173317	0.02950512	0.02628958	0.00321554	0.2933061	0.90650187
Eif2ak3	0.06236751	0.07665497	0.07344212	0.00321285	0.4228998	0.90650187
Wfdc18	0.01811369	0.02517668	0.02196457	0.00321211	0.2578047	0.90650187
AA474408	0.03281793	0.04260898	0.03940542	0.00320355	0.3588943	0.90650187
Meis3	0.26586801	0.28167809	0.27848385	0.00319424	0.47966609	0.90650187
Pus7	0.20189928	0.22215162	0.21895951	0.00319211	0.47416247	0.90650187
AU021092	0.04748764	0.0596565	0.05646845	0.00318805	0.40091229	0.90650187
Gm10600	0.01906131	0.0262863	0.02309894	0.00318737	0.26979309	0.90650187
Blm	0.07214561	0.08759485	0.08441775	0.00317709	0.43356228	0.90650187
Serpina1d	0.01716186	0.02399832	0.02082371	0.00317461	0.24896807	0.90650187
Nlrx1	0.0322559	0.04191114	0.03874507	0.00316607	0.3582	0.90650187
Pkhd1	0.0521023	0.06493168	0.06176796	0.00316372	0.40993928	0.90650187
Armc8	0.33239574	0.33938952	0.33622845	0.00316108	0.48333078	0.90650187
Srsf12	0.03835275	0.04904232	0.04588223	0.00316009	0.37973134	0.90650187
Pdgfd	0.05453536	0.06770817	0.06454918	0.00315899	0.41388424	0.90650187
Car7	0.01093764	0.01648512	0.0133272	0.00315792	0.1460793	0.90650187
Crygn	0.01967875	0.02699428	0.02383728	0.00315699	0.27800687	0.90650187
Ap1s3	0.13674092	0.15699745	0.15384215	0.0031553	0.46367507	0.90650187
B3galt1	0.03097666	0.04039136	0.03724019	0.00315117	0.35339312	0.90650187

Gabpb1	0.27398317	0.28889407	0.28574658	0.00314749	0.48047231	0.90650187
Lzts1	0.04346408	0.05496604	0.05182139	0.00314465	0.39366852	0.90650187
Pla2r1	0.06121973	0.07528602	0.07214457	0.00314145	0.423253	0.90650187
Tmem86a	0.24843918	0.26581323	0.26267275	0.00314048	0.47880579	0.90650187
Zfp710	0.1064695	0.12504366	0.12190564	0.00313803	0.45444599	0.90650187
Plac1	0.03656477	0.04693282	0.04379515	0.00313767	0.37505211	0.90650187
Zyg11b	0.14138307	0.16176457	0.15864191	0.00312265	0.46513472	0.90650187
Rbpms2	0.06919362	0.08424074	0.08111892	0.00312182	0.43207769	0.90650187
2900079G21	0.00701665	0.01168669	0.00857229	0.0031144	0.053141	0.61947578
2700069I18R	0.01250225	0.0183294	0.01521756	0.00311184	0.18165349	0.90650187
Smim3	0.05097789	0.06358685	0.06047964	0.00310721	0.40966841	0.90650187
Fank1	0.03214722	0.04171763	0.03861732	0.00310031	0.3605811	0.90650187
Bst1	0.0094527	0.0146289	0.01152941	0.00309949	0.11601893	0.90650187
Cfap61	0.02569506	0.03408638	0.03099975	0.00308663	0.32901078	0.90650187
Mrvi1	0.04423514	0.05578883	0.05271384	0.00307499	0.39769101	0.90650187
Pparg	0.01093843	0.01640061	0.01332816	0.00307245	0.15272538	0.90650187
Negr1	0.03555969	0.0456917	0.04261976	0.00307194	0.37432145	0.90650187
Hist1h3c	0.02601254	0.03444548	0.0313761	0.00306938	0.33182008	0.90650187
Gls2	0.00957134	0.01473162	0.01167318	0.00305844	0.1220553	0.90650187
Suv39h2	0.06602767	0.08061784	0.07756691	0.00305093	0.43059538	0.90650187
Gm14327	0.01533224	0.02167375	0.01862662	0.00304713	0.23353409	0.90650187
Gm10644	0.00689125	0.01146299	0.00841981	0.00304318	0.05405119	0.62576701
Gm37350	0.03189609	0.04136494	0.03832205	0.00304288	0.36204642	0.90650187
Vipr1	0.01155811	0.01712014	0.01407734	0.0030428	0.16829772	0.90650187
Rin1	0.01688884	0.02353589	0.0204962	0.00303969	0.25484967	0.90650187
Fgfr4	0.08878544	0.10581174	0.10277887	0.00303287	0.44781491	0.90650187
Lrig3	0.10541077	0.12379142	0.12076826	0.00302316	0.45569497	0.90650187
Arl5c	0.01009869	0.01532799	0.01231195	0.00301604	0.13806934	0.90650187
Nudt15	0.01215714	0.01781637	0.01480094	0.00301543	0.18254363	0.90650187
Gm16152	0.01629143	0.0227916	0.01977914	0.00301246	0.24917511	0.90650187

Chrd	0.0520986	0.06477595	0.06176372	0.00301223	0.41417691	0.90650187
Stk32b	0.05291649	0.06571146	0.06269965	0.0030118	0.41545035	0.90650187
Pla2g6	0.33316659	0.33988595	0.33687434	0.00301162	0.48414893	0.90650187
Lrrc34	0.00918564	0.01420896	0.0112057	0.00300326	0.11673371	0.90650187
Zc3h6	0.11008701	0.12878446	0.12578134	0.00300312	0.45773483	0.90650187
Gm609	0.14495235	0.16531692	0.1623152	0.00300172	0.4672386	0.90650187
Nod1	0.18055112	0.20114834	0.19814717	0.00300118	0.47315789	0.90650187
Supt3	0.14022746	0.16045061	0.15744944	0.00300117	0.46623466	0.90650187
Inhbb	0.02109561	0.02852482	0.02552927	0.00299554	0.30096155	0.90650187
Wwp1	0.21156844	0.23120886	0.22822487	0.00298399	0.47682441	0.90650187
Frrs1	0.20384038	0.22379774	0.22082741	0.00297033	0.47615845	0.90650187
Eftud2	0.45070039	0.43266981	0.42970153	0.00296828	0.4877507	0.90650187
Necab2	0.22421451	0.24316084	0.24019646	0.00296438	0.47812284	0.90650187
Cc2d1a	0.17419215	0.19481244	0.19185199	0.00296045	0.47265415	0.90650187
Csf2rb	0.01212939	0.0177255	0.01476743	0.00295807	0.18659852	0.90650187
Tubgcp2	0.23485815	0.25309997	0.25014395	0.00295602	0.47905122	0.90650187
Sp6	0.00999101	0.01513248	0.01218156	0.00295092	0.14075644	0.90650187
Catip	0.0126762	0.0183738	0.01542748	0.00294631	0.1979367	0.90650187
Ap1f	0.05600608	0.06917189	0.06622606	0.00294583	0.42162158	0.90650187
Crebrf	0.15013146	0.17056145	0.16761869	0.00294275	0.46889489	0.90650187
Diras2	0.02464684	0.03269868	0.02975598	0.0029427	0.330097	0.90650187
Trim23	0.16034532	0.18091374	0.17798585	0.00292789	0.47085104	0.90650187
Wdr81	0.03373984	0.04341474	0.04048755	0.0029272	0.37394927	0.90650187
Mrpl35	0.56521723	0.51342737	0.510504	0.00292337	0.48984502	0.90650187
Abhd11os	0.06310922	0.07719824	0.07427957	0.00291867	0.43066509	0.90650187
Usp8	0.45243056	0.43390611	0.43098886	0.00291725	0.48799718	0.90650187
Cd46	0.03120298	0.04041787	0.03750662	0.00291125	0.36502222	0.90650187
Acat2	0.35749083	0.3599068	0.35699568	0.00291112	0.48554083	0.90650187
2810032G03	0.01901672	0.0259555	0.0230456	0.00290991	0.2872847	0.90650187
Asb13	0.1774884	0.19802338	0.19512073	0.00290265	0.47363569	0.90650187

Tmem135	0.16008706	0.18062531	0.17772518	0.00290013	0.47108464	0.90650187
Cpped1	0.15551896	0.17599467	0.17310192	0.00289275	0.47038914	0.90650187
Mcoln3	0.05346819	0.06621612	0.0633304	0.00288572	0.41973584	0.90650187
Sema4g	0.05455011	0.06745026	0.06456602	0.00288424	0.42129152	0.90650187
Syt2	0.01542834	0.02161986	0.01874215	0.00287771	0.24743377	0.90650187
Tob1	0.61364109	0.5450443	0.5421748	0.0028695	0.49061427	0.90650187
Rad54l	0.07295215	0.08817973	0.08531686	0.00286287	0.44070747	0.90650187
Abcb1a	0.00834524	0.01304458	0.01018628	0.00285831	0.10611557	0.90650187
Osgin1	0.04844255	0.06042531	0.05756772	0.00285759	0.41267302	0.90650187
Cttnbp2nl	0.17876466	0.1992388	0.19638312	0.00285568	0.47422823	0.90650187
Arhgap22	0.01913922	0.02604671	0.02319214	0.00285457	0.29212718	0.90650187
Gm16380	0.00932444	0.01422818	0.01137396	0.00285422	0.13229793	0.90650187
Sema6d	0.2255921	0.24434382	0.24149039	0.00285344	0.47905357	0.90650187
Toporsos	0.58087667	0.52373866	0.52089774	0.00284092	0.49032827	0.90650187
Slc25a37	0.0558708	0.06891205	0.06607196	0.00284009	0.42422612	0.90650187
Zfp775	0.07111041	0.0860964	0.08326236	0.00283404	0.43986276	0.90650187
Sspn	0.17036548	0.1908641	0.18804146	0.00282264	0.47339761	0.90650187
Papola	1.23743722	0.83635218	0.83353526	0.00281692	0.49400657	0.90650187
Zfp142	0.11326209	0.1319831	0.12916964	0.00281346	0.46143064	0.90650187
Napepld	0.0677482	0.08229633	0.07949905	0.00279728	0.43784924	0.90650187
Hlcs	0.05202151	0.06447094	0.06167545	0.00279549	0.42015362	0.90650187
Irak3	0.02035367	0.027432	0.02464366	0.00278833	0.30748111	0.90650187
Prkcsb	1.02901242	0.76526286	0.76247454	0.00278832	0.49351456	0.90650187
D16Ertd472e	0.03949418	0.04999514	0.04721201	0.00278312	0.39663528	0.90650187
Arrb2	0.16701938	0.18746089	0.18469605	0.00276484	0.47347026	0.90650187
Btbd7	0.1339428	0.15369633	0.15093673	0.0027596	0.46760974	0.90650187
Sv2c	0.04896303	0.06091336	0.0581663	0.00274707	0.41685095	0.90650187
Plekha2	0.03957981	0.05005866	0.04731169	0.00274697	0.39815847	0.90650187
Gm14703	0.03258228	0.04186753	0.0391286	0.00273893	0.3778305	0.90650187
Zkscan14	0.11738176	0.13628362	0.13354745	0.00273617	0.46371322	0.90650187

Tnni2	0.02012592	0.02710494	0.02437163	0.0027333	0.3090379	0.90650187
Naip2	0.00706219	0.01135898	0.00862766	0.00273132	0.07965788	0.81595645
Tbc1d10c	0.01550017	0.0215534	0.0188285	0.00272489	0.25999014	0.90650187
St8sia4	0.02770215	0.03609874	0.0333764	0.00272233	0.35845036	0.90650187
Gtf2h2	0.24239663	0.25984285	0.25712093	0.00272192	0.48123195	0.90650187
N4bp2l1	0.15384854	0.17411974	0.17140538	0.00271436	0.47193755	0.90650187
a	0.0195089	0.02634714	0.02363423	0.00271291	0.30492077	0.90650187
Adamts6	0.01147676	0.01669081	0.01397902	0.00271179	0.19423315	0.90650187
Tdrkh	0.22046003	0.23936899	0.23665953	0.00270945	0.47970396	0.90650187
Gm37233	0.00914629	0.01386356	0.011158	0.00270556	0.14052617	0.90650187
Ndufv1	0.88681281	0.70062151	0.69791778	0.00270373	0.49312964	0.90650187
Mgat4a	0.10730232	0.12550099	0.12279935	0.00270164	0.46104338	0.90650187
Xrcc6bp1	0.08397446	0.10021121	0.09751065	0.00270056	0.45100557	0.90650187
Cep72	0.0300128	0.03880397	0.03610463	0.00269933	0.36980418	0.90650187
Rin2	0.06956009	0.0842269	0.08152914	0.00269776	0.44152539	0.90650187
Cacnb4	0.02053951	0.02755567	0.02486556	0.00269011	0.31527518	0.90650187
Gm20517	0.00705275	0.01129757	0.00861618	0.00268139	0.08325697	0.83980701
Slc2a3	0.04606332	0.05750083	0.05482623	0.0026746	0.41415436	0.90650187
Ccdc181	0.21988906	0.23878161	0.23612034	0.00266127	0.48001911	0.90650187
Slc10a6	0.0231364	0.03062095	0.0279607	0.00266025	0.33615999	0.90650187
Slc35e4	0.05405666	0.06665515	0.06400268	0.00265246	0.42691293	0.90650187
Noc4l	0.19751778	0.21738064	0.21472839	0.00265225	0.47810482	0.90650187
Bms1	0.26333713	0.27885045	0.27620593	0.00264452	0.48302443	0.90650187
Mtmr7	0.23660842	0.2544112	0.25176887	0.00264233	0.48139336	0.90650187
1700123O20	0.62029527	0.54904901	0.54641987	0.00262914	0.49146714	0.90650187
Fam84a	0.02651098	0.03459568	0.03196667	0.00262901	0.35732552	0.90650187
Fam198a	0.05564817	0.06844525	0.06581828	0.00262697	0.42958337	0.90650187
Dpp7	0.10420705	0.12209576	0.11947341	0.00262235	0.46113382	0.90650187
Gm26771	0.03281976	0.0420284	0.03940758	0.00262083	0.38374562	0.90650187
Pdzd3	0.00913664	0.0137606	0.0111463	0.00261431	0.14854486	0.90650187

Cend1	0.01364681	0.01920101	0.01659789	0.00260312	0.24283133	0.90650187
Rwdd2a	0.04123972	0.05184066	0.04924171	0.00259895	0.40724554	0.90650187
Wdr62	0.00775508	0.01206855	0.00946971	0.00259884	0.11122464	0.90650187
Chst7	0.04249943	0.05329439	0.05070358	0.00259081	0.41015031	0.90650187
Dscc1	0.04100029	0.05155097	0.04896358	0.0025874	0.40713525	0.90650187
Gm4070	0.00904953	0.01362586	0.01104068	0.00258518	0.14895188	0.90650187
Hoxb5os	0.0632963	0.07707061	0.07449068	0.00257993	0.43881657	0.90650187
Gm10827	0.03462413	0.04410016	0.04152427	0.00257589	0.39135994	0.90650187
Blnk	0.05820929	0.07129904	0.06873206	0.00256697	0.43406568	0.90650187
Hmx3	0.00694435	0.01104384	0.00848438	0.00255946	0.08994493	0.88667504
Ilf2	1.12339358	0.80002898	0.79747018	0.0025588	0.49430954	0.90650187
Oxld1	0.1329908	0.15250182	0.1499461	0.00255571	0.46980031	0.90650187
Gnb5	0.01178287	0.01690377	0.0143489	0.00255487	0.2143103	0.90650187
Gm26545	0.01316605	0.01856796	0.01601835	0.00254961	0.23959716	0.90650187
Mylpf	0.05487188	0.06747756	0.06493316	0.00254439	0.43085403	0.90650187
Slc22a5	0.02066534	0.02755991	0.02501579	0.00254411	0.32559165	0.90650187
Lrrn3	0.03096848	0.0397695	0.03723056	0.00253893	0.38088107	0.90650187
Gm9833	0.01064615	0.01551167	0.01297459	0.00253708	0.19234068	0.90650187
Igf1r	0.47272928	0.44846371	0.44593434	0.00252937	0.48994142	0.90650187
Prrg3	0.08435088	0.10044765	0.09792401	0.00252364	0.45439319	0.90650187
Prmt3	0.23859098	0.25612187	0.25360577	0.00251609	0.48240991	0.90650187
Tmem237	0.29683281	0.3083702	0.30586291	0.00250728	0.48546477	0.90650187
Fgf7	0.04239036	0.05308282	0.05057709	0.00250573	0.41283916	0.90650187
4933406P04I	0.03078308	0.03951622	0.03701224	0.00250397	0.38180009	0.90650187
Mum111	0.10579347	0.12367755	0.12117955	0.002498	0.46349129	0.90650187
Fam212b	0.01133044	0.01629441	0.01380216	0.00249225	0.21106215	0.90650187
Actn1	0.62622674	0.5526633	0.55018223	0.00248107	0.4920027	0.90650187
Wdr13	0.31000015	0.31970917	0.31723651	0.00247266	0.48617913	0.90650187
Pcbp4	0.61649712	0.54646651	0.54400029	0.00246622	0.49196022	0.90650187
Slc44a5	0.0143654	0.01992233	0.01746341	0.00245893	0.2656702	0.90650187

Edf1	2.25267328	0.91977829	0.9173303	0.00244799	0.49526724	0.90650187
Mapk10	0.03603648	0.04561831	0.04317754	0.00244076	0.40078968	0.90650187
Bnc1	0.01892991	0.0253817	0.02294173	0.00243998	0.31817297	0.90650187
Khdrbs2	0.02456314	0.03209308	0.02965659	0.00243648	0.3574677	0.90650187
Ccdc163	0.11697392	0.13554706	0.13311498	0.00243208	0.4676321	0.90650187
Sun2	0.07274046	0.08751177	0.08508096	0.00243081	0.44946491	0.90650187
Pstk	0.2753792	0.28941928	0.28698943	0.00242985	0.48498752	0.90650187
Reps2	0.03632663	0.04594523	0.0435168	0.00242842	0.40203488	0.90650187
Zfp422	0.65578521	0.57106966	0.56864147	0.00242819	0.49242714	0.90650187
Adgra1	0.01125148	0.01613378	0.01370671	0.00242707	0.21558512	0.90650187
Tfap4	0.16539361	0.18548225	0.1830661	0.00241615	0.47660582	0.90650187
Usp29	0.44330319	0.42658852	0.4241733	0.00241522	0.48990264	0.90650187
Lap3	0.53783324	0.49437846	0.49196387	0.00241459	0.49129604	0.90650187
Arhgef16	0.23423971	0.25198251	0.24956907	0.00241344	0.48285436	0.90650187
Arhgef6	0.03256711	0.04151801	0.03911079	0.00240722	0.39218789	0.90650187
Lrp4	0.06299099	0.07655158	0.07414613	0.00240545	0.44266164	0.90650187
Hpcal4	0.00822479	0.01243771	0.01004007	0.00239763	0.14419972	0.90650187
Pcdhb11	0.0180277	0.0242591	0.02186156	0.00239753	0.31293622	0.90650187
Npm3	0.82874865	0.67014076	0.66774742	0.00239334	0.49364354	0.90650187
Prdm8	0.00659851	0.01045366	0.00806373	0.00238993	0.09382011	0.90650187
Gm10244	0.02834733	0.03652186	0.03413903	0.00238283	0.37816889	0.90650187
Stambpl1	0.06106727	0.07435181	0.07197208	0.00237973	0.44156909	0.90650187
Ywhag	0.91201574	0.71289788	0.71052668	0.0023712	0.49408148	0.90650187
Snx18	0.20823758	0.2274114	0.22504414	0.00236726	0.48135074	0.90650187
Fam214b	0.15294498	0.172853	0.17048637	0.00236663	0.47539595	0.90650187
Gltscr1l	0.0955769	0.11252492	0.11016069	0.00236423	0.46199453	0.90650187
Ldhc	0.00928685	0.01368998	0.0113284	0.00236158	0.17702642	0.90650187
Trim5	0.00676208	0.01062197	0.0082627	0.00235927	0.10215572	0.90650187
BC034090	0.0329147	0.04186341	0.03951908	0.00234433	0.39599807	0.90650187
Plekho2	0.08906079	0.10542107	0.10307941	0.00234166	0.45977883	0.90650187

Rnasel	0.08476742	0.10072218	0.09838122	0.00234097	0.45787746	0.90650187
Lrg1	0.01556023	0.02123744	0.0189007	0.00233674	0.29129001	0.90650187
Polk	0.10243568	0.11989655	0.11756464	0.00233191	0.46486715	0.90650187
Nxn12	0.02746765	0.03542662	0.03309905	0.00232757	0.37728431	0.90650187
Slc6a13	0.01084702	0.01553663	0.0132176	0.00231903	0.21770092	0.90650187
Pde7b	0.01876479	0.02506277	0.02274414	0.00231863	0.32520134	0.90650187
Pard3b	0.16090091	0.18086275	0.17854636	0.00231638	0.47700361	0.90650187
Slc35f1	0.02288954	0.02997754	0.02766693	0.00231061	0.35521629	0.90650187
Slc16a11	0.0325773	0.04143205	0.03912276	0.00230929	0.39650269	0.90650187
Camsap3	0.07579831	0.09078705	0.08848217	0.00230488	0.45390393	0.90650187
Afmid	0.0108912	0.01557453	0.01327103	0.00230349	0.22016451	0.90650187
Disc1	0.02186826	0.0287539	0.0264506	0.00230329	0.34933395	0.90650187
Megf11	0.0176527	0.02371151	0.02141221	0.00229931	0.31654489	0.90650187
Al427809	0.02887246	0.037058	0.03475926	0.00229875	0.38437787	0.90650187
Fads1	0.13930041	0.15878699	0.15649168	0.00229532	0.4740053	0.90650187
Mrpl24	0.99684015	0.75170226	0.7494187	0.00228356	0.494596	0.90650187
Fmnl1	0.04928202	0.06081545	0.05853295	0.00228249	0.43118559	0.90650187
Psmc3ip	0.11733513	0.13577903	0.13349801	0.00228102	0.46972549	0.90650187
Mapk1ip1l	0.42926343	0.41584948	0.41356852	0.00228096	0.49021935	0.90650187
Cyp27a1	0.01471613	0.02013821	0.01788556	0.00225266	0.28776804	0.90650187
Trmt1l	0.39680952	0.39073846	0.38848966	0.00224879	0.48973491	0.90650187
Srr	0.14642302	0.16606955	0.16382439	0.00224515	0.47570933	0.90650187
Dusp26	0.03512298	0.04434758	0.04210856	0.00223902	0.40656735	0.90650187
Nrxn1	0.03574582	0.04506951	0.04283755	0.00223195	0.40841339	0.90650187
Hecw2	0.03681578	0.04631736	0.04408845	0.00222891	0.41108722	0.90650187
Tle4	0.06661334	0.0804537	0.0782251	0.0022286	0.44960734	0.90650187
Xlr3b	0.0948598	0.11160845	0.10938428	0.00222417	0.46398666	0.90650187
Dnajb1	0.69208963	0.59287361	0.59066972	0.00220389	0.49338291	0.90650187
Tmigd3	0.03923011	0.04910685	0.04690454	0.00220231	0.41732779	0.90650187
Atrx	1.34122061	0.86323945	0.86104008	0.00219937	0.49546991	0.90650187

Rb1cc1	0.52038734	0.48209777	0.4799051	0.00219267	0.49189731	0.90650187
Trpm7	0.38436129	0.38082409	0.37865256	0.00217153	0.48983004	0.90650187
Slc10a4	0.00957054	0.01384297	0.01167222	0.00217075	0.20418185	0.90650187
Grid1	0.0083872	0.01240453	0.0102372	0.00216733	0.17330526	0.90650187
Gm14403	0.04121266	0.05137365	0.04921027	0.00216338	0.42252528	0.90650187
Nxph3	0.01382485	0.01897213	0.01681241	0.00215973	0.28397135	0.90650187
9930012K11f	0.04217871	0.05248922	0.05033162	0.0021576	0.42443008	0.90650187
Mcf2l	0.32187762	0.32952183	0.32736463	0.0021572	0.48831475	0.90650187
Cers5	0.55084679	0.50298659	0.50083272	0.00215387	0.49237322	0.90650187
Ube2u	0.02142663	0.0280667	0.0259241	0.0021426	0.35665134	0.90650187
2700029M09	0.62716462	0.55291651	0.55077536	0.00214115	0.49310567	0.90650187
Dlgap1	0.02921797	0.03730045	0.0351671	0.00213335	0.3937015	0.90650187
Gm9958	0.02599191	0.03348354	0.03135166	0.00213188	0.38121275	0.90650187
Stradb	0.13600662	0.15520926	0.15308059	0.00212868	0.47535358	0.90650187
Wipf1	0.16448622	0.18428227	0.18215508	0.00212719	0.47929806	0.90650187
Hand1	0.01428135	0.01948865	0.01736221	0.00212643	0.29305755	0.90650187
Gm17529	0.01441971	0.0196545	0.01752879	0.00212571	0.29490315	0.90650187
Hspa14	0.48281198	0.45536767	0.45324957	0.0021181	0.49171258	0.90650187
Rbm12b2	0.10600984	0.12353002	0.12141201	0.00211801	0.46909186	0.90650187
Dct	0.06633436	0.08002466	0.07791163	0.00211303	0.45201632	0.90650187
Gm10101	0.02203395	0.02875972	0.02664805	0.00211167	0.36231295	0.90650187
Cdh12	0.0183652	0.0243702	0.02226579	0.00210441	0.33718156	0.90650187
Syce1	0.01134822	0.01592599	0.01382366	0.00210233	0.24948938	0.90650187
Hsd11b1	0.0139488	0.019061	0.01696172	0.00209927	0.29108711	0.90650187
Ablim2	0.02380315	0.03084517	0.02875363	0.00209154	0.37320632	0.90650187
Ski	0.3483755	0.35160504	0.34951461	0.00209044	0.48939376	0.90650187
Fat3	0.00823346	0.01213533	0.01005059	0.00208474	0.17823123	0.90650187
Taco1os	0.03687756	0.04624296	0.04416063	0.00208233	0.41697966	0.90650187
Aqp7	0.01188598	0.01655196	0.01447346	0.0020785	0.26159904	0.90650187
Ccdc122	0.04645397	0.05735449	0.05527696	0.00207753	0.43365206	0.90650187

Myl4	0.04340927	0.0538248	0.05175791	0.00206689	0.42954609	0.90650187
Slco4a1	0.02365451	0.03064349	0.02857692	0.00206657	0.37392025	0.90650187
Inafm1	0.25113629	0.26720459	0.26513866	0.00206592	0.48618359	0.90650187
Arl2bp	0.6308815	0.55518373	0.55312121	0.00206252	0.49338699	0.90650187
Pcbd2	0.70371214	0.59963569	0.59757581	0.00205988	0.49388674	0.90650187
Cyp26b1	0.01462117	0.01981743	0.01777128	0.00204615	0.3043747	0.90650187
Slc38a6	0.09096588	0.10719944	0.10515585	0.00204359	0.46557603	0.90650187
Acsl3	0.17512606	0.19482215	0.19277933	0.00204282	0.48121328	0.90650187
Lrrc8d	0.18892871	0.20841095	0.20637321	0.00203774	0.48249361	0.90650187
Lsm14b	0.15895641	0.17861785	0.17658309	0.00203476	0.4795725	0.90650187
Atp6v0a4	0.0079301	0.01171698	0.00968227	0.00203471	0.17509134	0.90650187
Gm26645	0.00644563	0.00990846	0.00787772	0.00203074	0.12589796	0.90650187
Rasal3	0.0210598	0.0275124	0.02548655	0.00202585	0.36190598	0.90650187
Kcp	0.03043437	0.03862332	0.03660148	0.00202184	0.40300682	0.90650187
Arxes2	0.30480189	0.31478136	0.31276483	0.00201654	0.48856675	0.90650187
Xlr3c	0.01176684	0.01634167	0.01432954	0.00201213	0.26623392	0.90650187
Col4a6	0.01996866	0.02619188	0.02418374	0.00200814	0.35600868	0.90650187
Stk4	0.20074073	0.21984819	0.21784276	0.00200543	0.48367758	0.90650187
Mybpc1	0.01109047	0.0155088	0.01351203	0.00199676	0.25560433	0.90650187
Bfsp1	0.00746964	0.01111853	0.00912291	0.00199561	0.16540961	0.90650187
Aim2	0.0063844	0.00979669	0.00780321	0.00199348	0.12803808	0.90650187
Alpl	0.00551341	0.00873027	0.00674263	0.00198764	0.09501213	0.90650187
Sec22c	0.07703032	0.09182358	0.08984871	0.00197487	0.46107961	0.90650187
RP24-143K11	0.03386888	0.04260557	0.0406389	0.00196667	0.41482932	0.90650187
Syap1	0.4199531	0.40841854	0.40645675	0.00196179	0.49144055	0.90650187
Ccdc58	0.44474198	0.42721324	0.42525195	0.00196129	0.49182087	0.90650187
Pcdhga3	0.01066023	0.01494595	0.01299163	0.00195432	0.25182765	0.90650187
Gm26691	0.03463652	0.04349077	0.04153878	0.00195199	0.41726015	0.90650187
Tnfaip1	0.62727715	0.55279704	0.55084649	0.00195054	0.49372016	0.90650187
Rxrg	0.01136673	0.01579499	0.01384602	0.00194897	0.26573489	0.90650187

Kcnk5	0.03658717	0.04576734	0.04382133	0.00194601	0.42174973	0.90650187
Rho	0.00658224	0.00998971	0.00804394	0.00194577	0.14110693	0.90650187
Xlr4b	0.02394768	0.03087012	0.02892543	0.0019447	0.38251424	0.90650187
Dennd2c	0.03052473	0.0386508	0.03670793	0.00194287	0.40698965	0.90650187
Elovl2	0.03971256	0.04940424	0.0474662	0.00193804	0.42798223	0.90650187
Eepd1	0.09767496	0.11434735	0.1124282	0.00191915	0.46975464	0.90650187
Cyp1b1	0.01126861	0.01563595	0.01372742	0.00190853	0.26826269	0.90650187
Slc50a1	0.61962844	0.54790419	0.54599568	0.00190851	0.49380091	0.90650187
Htr1b	0.00653151	0.00988381	0.00798221	0.0019016	0.14478252	0.90650187
Ttc9b	0.01831626	0.02410605	0.02220719	0.00189886	0.35192487	0.90650187
Gm16104	0.02217535	0.02871176	0.02681651	0.00189525	0.37668775	0.90650187
Yif1a	0.89530573	0.70409063	0.70219753	0.0018931	0.49521871	0.90650187
Mertk	0.05730915	0.06959917	0.06770909	0.00189008	0.45061891	0.90650187
Gpr162	0.02209673	0.02861098	0.02672285	0.00188813	0.37671927	0.90650187
Gosr2	0.41733559	0.40633302	0.4044449	0.00188812	0.49172095	0.90650187
Zfp768	0.25079769	0.26671681	0.26482948	0.00188734	0.48736279	0.90650187
4930579G24	0.09414957	0.11049788	0.1086146	0.00188327	0.46927895	0.90650187
Gm26906	0.01794196	0.02363661	0.02175884	0.00187777	0.35061823	0.90650187
Ift46	0.36059543	0.36140575	0.35952812	0.00187763	0.49073856	0.90650187
Plpp5	0.34474674	0.34839294	0.34651696	0.00187598	0.4903993	0.90650187
Ctnn	0.7304197	0.61505045	0.61318943	0.00186102	0.4946175	0.90650187
Atp6v1g2	0.02169002	0.02809648	0.02623814	0.00185834	0.37643237	0.90650187
Eif3g	1.4315977	0.88266896	0.88081996	0.001849	0.49627707	0.90650187
Gusb	0.51976859	0.48132137	0.47947386	0.00184751	0.49316653	0.90650187
Tmem54	0.01183079	0.01625202	0.01440679	0.00184523	0.28454357	0.90650187
Mtmr2	0.4154716	0.40483738	0.40300909	0.00182829	0.49195469	0.90650187
Igsf21	0.09391001	0.11018215	0.10835484	0.00182731	0.47011876	0.90650187
Pdhb	0.79047208	0.64886262	0.64703948	0.00182315	0.49500287	0.90650187
Dnm3	0.06360667	0.07666125	0.07484078	0.00182047	0.45694337	0.90650187
Ccrl2	0.0348972	0.04365447	0.04184415	0.00181031	0.42374132	0.90650187

Tsr2	0.29205411	0.30350441	0.30169532	0.00180909	0.48936639	0.90650187
Il11	0.01769406	0.02326743	0.02146179	0.00180564	0.35419417	0.90650187
Vps41	0.40242201	0.39467715	0.39288408	0.00179307	0.49190636	0.90650187
Sfrp5	0.03914887	0.04860006	0.04680993	0.00179013	0.43250054	0.90650187
Pcyox1l	0.32747973	0.33388568	0.33209743	0.00178824	0.49045094	0.90650187
Gm20467	0.02429329	0.03111893	0.02933608	0.00178285	0.39351305	0.90650187
Hsf2bp	0.00932947	0.01315914	0.01138006	0.00177908	0.24352875	0.90650187
Plppr5	0.00860635	0.01227753	0.01050313	0.00177439	0.22631507	0.90650187
Tmem51	0.25401474	0.26953578	0.26776259	0.0017732	0.48825682	0.90650187
Gk5	0.08486564	0.10026104	0.09848899	0.00177206	0.46812366	0.90650187
Egr4	0.01469188	0.01962826	0.01785636	0.00177189	0.32955639	0.90650187
C2cd4d	0.01351408	0.0182088	0.01643793	0.00177087	0.31599501	0.90650187
Irf7	0.04559676	0.05605809	0.05428762	0.00177047	0.44236186	0.90650187
Onecut1	0.04569657	0.05617168	0.05440287	0.00176881	0.44253682	0.90650187
Xrcc2	0.03795451	0.04718395	0.0454178	0.00176615	0.43137492	0.90650187
Wnt11	0.01584568	0.02100336	0.01924373	0.00175962	0.34218722	0.90650187
Agrp	0.00655026	0.00976117	0.00800503	0.00175615	0.16471053	0.90650187
Rab9b	0.02250069	0.02895838	0.02720401	0.00175437	0.38717346	0.90650187
Nr2f1	0.05634048	0.06835035	0.06660689	0.00174346	0.45368153	0.90650187
Mpg	0.41019357	0.40066946	0.39892939	0.00174007	0.49226457	0.90650187
Acot4	0.01275807	0.01726529	0.01552626	0.00173902	0.30926625	0.90650187
Dhx34	0.08230788	0.09741421	0.09567804	0.00173617	0.46785228	0.90650187
Fam71a	0.01151106	0.01575451	0.01402047	0.00173404	0.2912185	0.90650187
Oprk1	0.00887985	0.01256675	0.01083491	0.00173184	0.23867191	0.90650187
Ptges	0.06690816	0.08027722	0.07855623	0.00172099	0.46120699	0.90650187
Edn3	0.08346786	0.09866541	0.09695399	0.00171141	0.46872588	0.90650187
9230110C19I	0.06398513	0.07697866	0.07526751	0.00171115	0.45974843	0.90650187
Dnah11	0.01921809	0.02499273	0.02328648	0.00170625	0.3723111	0.90650187
Prtn3	0.01909696	0.02484778	0.02314159	0.00170619	0.37154371	0.90650187
Prpf18	0.33244754	0.33797798	0.33627187	0.00170611	0.49100252	0.90650187

Fmo5	0.02363572	0.03025891	0.02855458	0.00170433	0.39537257	0.90650187
Cep19	0.28662344	0.29863787	0.29693394	0.00170393	0.48982378	0.90650187
Rel	0.02847843	0.03599402	0.03429391	0.00170012	0.41278361	0.90650187
Mybpc2	0.0053983	0.00829949	0.00660238	0.00169711	0.12657782	0.90650187
Gm11423	0.067728	0.08116908	0.0794764	0.00169269	0.46228357	0.90650187
Trib2	0.05201051	0.06335285	0.06166286	0.00168998	0.45151287	0.90650187
Gm29609	0.00615829	0.00921633	0.00752801	0.00168832	0.15937654	0.90650187
Ctnna2	0.02681699	0.03401724	0.03232904	0.0016882	0.40821193	0.90650187
Fam134a	0.56633045	0.51293542	0.511248	0.00168742	0.49414648	0.90650187
Rhno1	0.31737882	0.3252278	0.32354301	0.00168478	0.49076548	0.90650187
Gbp8	0.01422457	0.01897273	0.01729384	0.00167888	0.33302379	0.90650187
Zfp101	0.14048575	0.15939371	0.15771611	0.0016776	0.48114216	0.90650187
Sh3tc1	0.03464555	0.04322542	0.04154937	0.00167605	0.4288391	0.90650187
Dbh	0.00639794	0.00949355	0.00781968	0.00167387	0.17064454	0.90650187
Dock2	0.00597911	0.00898218	0.00730986	0.00167232	0.15456478	0.90650187
Rhbd13	0.05385012	0.06543555	0.06376679	0.00166876	0.45369141	0.90650187
Gm44148	0.01592358	0.02100343	0.01933732	0.00166611	0.35084719	0.90650187
Gm28523	0.01352588	0.01811499	0.01645215	0.00166284	0.3265991	0.90650187
Panx1	0.13968224	0.15854634	0.15688628	0.00166006	0.48124056	0.90650187
Mgmt	0.16235753	0.1816691	0.18001425	0.00165485	0.48370058	0.90650187
Bend6	0.01901921	0.02470043	0.02304858	0.00165186	0.37501131	0.90650187
Cdkn2b	0.06026268	0.07270929	0.07106115	0.00164814	0.45893867	0.90650187
4930507D05	0.00593706	0.00890624	0.00725866	0.00164758	0.15647093	0.90650187
Plxna3	0.07282087	0.08680889	0.08517057	0.00163832	0.46592623	0.90650187
Hist1h2ac	0.00366922	0.00612573	0.00449289	0.00163284	0.05308458	0.61929297
Pxylp1	0.10609346	0.12312595	0.12150183	0.00162412	0.4763069	0.90650187
Thap1	0.10584384	0.12285737	0.12123367	0.0016237	0.47626082	0.90650187
Hoxc5	0.03313922	0.04139982	0.0397827	0.00161712	0.42829805	0.90650187
Tmem9b	0.53534891	0.49187353	0.49025838	0.00161516	0.49415728	0.90650187
Glt1d1	0.01687935	0.02209883	0.02048481	0.00161402	0.36306644	0.90650187

Osmr	0.01974566	0.02552664	0.02391726	0.00160938	0.38241546	0.90650187
Gpd1	0.12517483	0.14337703	0.14177206	0.00160497	0.47993062	0.90650187
Tmem44	0.05218884	0.06346737	0.06186704	0.00160033	0.4542244	0.90650187
Ccdc66	0.15908729	0.17831208	0.17671537	0.00159672	0.48397944	0.90650187
Ecm2	0.01501267	0.01983599	0.01824231	0.00159368	0.34886938	0.90650187
Slc24a2	0.01882295	0.02440734	0.02281375	0.0015936	0.3780764	0.90650187
Padi4	0.01051289	0.01440547	0.01281334	0.00159213	0.29033987	0.90650187
Larp7	0.69604567	0.5946199	0.59302797	0.00159193	0.49523919	0.90650187
Atp8a1	0.04067531	0.05017522	0.04858594	0.00158928	0.44219004	0.90650187
Trrap	0.32003847	0.32738985	0.32580456	0.00158528	0.49137108	0.90650187
Tubd1	0.11286677	0.13032748	0.12874845	0.00157902	0.47825936	0.90650187
Tmem255b	0.01908796	0.02470605	0.02313082	0.00157522	0.38104091	0.90650187
Cdh10	0.00363832	0.00602302	0.00445516	0.00156786	0.05885043	0.66167564
Cep112os1	0.00608825	0.00900909	0.00744274	0.00156635	0.17474151	0.90650187
Six4	0.0282287	0.03556501	0.03399885	0.00156616	0.41886905	0.90650187
Rassf5	0.04207171	0.05176299	0.05020749	0.0015555	0.44522649	0.90650187
Aqp5	0.00644491	0.00942946	0.00787684	0.00155262	0.19043907	0.90650187
Dok5	0.02958968	0.03715508	0.03560567	0.00154941	0.42330162	0.90650187
Kif27	0.02030254	0.02613052	0.0245826	0.00154792	0.38976473	0.90650187
Rnf144b	0.00362116	0.00596632	0.00443419	0.00153213	0.06226003	0.68780144
Imp3	0.84415685	0.67743078	0.67590003	0.00153075	0.49598343	0.90650187
A630033H20	0.01496583	0.01971287	0.01818596	0.0015269	0.35447934	0.90650187
2510017J16F	0.01052435	0.0143511	0.0128272	0.0015239	0.29869856	0.90650187
Vstm2l	0.01421606	0.01880672	0.0172836	0.00152312	0.34761438	0.90650187
Vmo1	0.00909595	0.01261838	0.01109696	0.00152142	0.27109609	0.90650187
Zscan12	0.05671018	0.06854832	0.06702772	0.0015206	0.4598333	0.90650187
Fancm	0.0999725	0.11642051	0.11490433	0.00151618	0.47661131	0.90650187
Nudt1	0.15734949	0.1764678	0.17495741	0.00151039	0.48469292	0.90650187
L3mbtl3	0.13902827	0.15771963	0.15621034	0.00150929	0.48286944	0.90650187
Il21r	0.00360994	0.00592942	0.00442049	0.00150893	0.06457019	0.70630256

Paqr5	0.00520702	0.00787709	0.00636925	0.00150784	0.14629927	0.90650187
1110046J04F	0.0471125	0.05753408	0.05603622	0.00149786	0.45270416	0.90650187
Rapgef1	0.01427972	0.01885712	0.01736026	0.00149686	0.3507426	0.90650187
Cspp1	0.88125577	0.69658852	0.69509367	0.00149485	0.49618593	0.90650187
Gm20661	0.0077023	0.0108942	0.00940559	0.00148861	0.24084156	0.90650187
Mapk13	0.19187564	0.21072779	0.2092488	0.00147899	0.48746653	0.90650187
Adrb2	0.01859222	0.0240072	0.02253758	0.00146962	0.38595149	0.90650187
Psme2b	0.15528841	0.17433685	0.17286796	0.00146889	0.48493353	0.90650187
Xlr	0.00873141	0.01212254	0.01065485	0.00146769	0.270145	0.90650187
9930111J21F	0.01655378	0.02156149	0.0200941	0.00146739	0.37272529	0.90650187
Thbs4	0.01604664	0.02095	0.01948515	0.00146485	0.36911017	0.90650187
Hvcn1	0.03165143	0.03949531	0.0380343	0.00146101	0.43220288	0.90650187
Mthfd1	0.26892116	0.28267307	0.28122377	0.0014493	0.4908608	0.90650187
Cacng4	0.06212769	0.07461635	0.07317117	0.00144518	0.4650163	0.90650187
Rbbp9	0.15602849	0.1750506	0.17361879	0.00143182	0.48537707	0.90650187
Fam122b	0.09027736	0.10582617	0.10440599	0.00142018	0.47589008	0.90650187
Ccdc158	0.01625739	0.02115138	0.01973826	0.00141312	0.37513832	0.90650187
Fam46b	0.02116675	0.02702545	0.02561414	0.00141131	0.40324835	0.90650187
Asl	0.27612188	0.28906028	0.28764987	0.00141041	0.49130462	0.90650187
Cdc6	0.02963124	0.03705814	0.03565469	0.00140345	0.43054423	0.90650187
Smurf1	0.0858299	0.10094836	0.09954629	0.00140207	0.47503678	0.90650187
Gm16499	0.0077656	0.01088094	0.00948248	0.00139846	0.25603126	0.90650187
Fam26e	0.03203954	0.03988308	0.03849073	0.00139235	0.43611998	0.90650187
Pard6a	0.21524604	0.23311117	0.23172336	0.00138781	0.48937936	0.90650187
Lrr1	0.0523251	0.06340942	0.06202302	0.00138641	0.460421	0.90650187
Slc9a1	0.08605019	0.10117282	0.09978765	0.00138517	0.4753967	0.90650187
Phf24	0.00735191	0.01035731	0.00897985	0.00137746	0.24764119	0.90650187
Gm7120	0.00829338	0.01150043	0.01012334	0.0013771	0.27267439	0.90650187
Adamts20	0.02736988	0.03435811	0.03298339	0.00137473	0.42650077	0.90650187
Gli1	0.03765242	0.04643969	0.04506533	0.00137435	0.44607775	0.90650187

Cer1	0.04292247	0.0525679	0.05119396	0.00137394	0.45251437	0.90650187
Dkk3	0.11465224	0.13200785	0.13064923	0.00135862	0.48156356	0.90650187
4921504A21	0.01289793	0.01705242	0.01569499	0.00135743	0.35030678	0.90650187
Supt4a	0.70991126	0.60258925	0.6012319	0.00135734	0.49599611	0.90650187
Tmem158	0.04604444	0.05615994	0.05480444	0.0013555	0.45622253	0.90650187
Il7	0.0131409	0.01733893	0.01598803	0.0013509	0.35359658	0.90650187
Gm17146	0.01096526	0.01470948	0.01336061	0.00134886	0.32678064	0.90650187
Fam131c	0.01452953	0.01900906	0.01766098	0.00134807	0.36717836	0.90650187
Pcdh19	0.06525176	0.07803896	0.07669414	0.00134482	0.46893266	0.90650187
Ndnf	0.01166501	0.01554521	0.01420651	0.00133869	0.33763967	0.90650187
Tnfrsf11a	0.00971593	0.0131751	0.01184837	0.00132673	0.30931238	0.90650187
Slfm8	0.00989727	0.01339176	0.01206802	0.00132373	0.31290426	0.90650187
Gm26764	0.03729437	0.04596616	0.0446474	0.00131876	0.4477647	0.90650187
Ak4	0.01943097	0.02485912	0.02354105	0.00131806	0.40171559	0.90650187
Evc2	0.13329964	0.1515831	0.15026759	0.00131551	0.48447756	0.90650187
Naaladl2	0.04461763	0.05446199	0.05315622	0.00130576	0.45652001	0.90650187
Nppc	0.01116124	0.01490334	0.0135976	0.00130574	0.33472671	0.90650187
Ube2a	0.6210279	0.54818685	0.54688563	0.00130121	0.49578027	0.90650187
Fgf18	0.02508087	0.03156971	0.03027119	0.00129852	0.42438023	0.90650187
Sema6b	0.02082754	0.02649618	0.02520939	0.00128678	0.41024261	0.90650187
Calb1	0.01573337	0.02039537	0.01910878	0.00128659	0.38234745	0.90650187
Nlgn3	0.03947468	0.04847284	0.04718931	0.00128353	0.45187787	0.90650187
Eno4	0.01857466	0.02379922	0.02251657	0.00128265	0.40004064	0.90650187
1700008J07F	0.10413163	0.12066924	0.11939222	0.00127702	0.48103739	0.90650187
Hrsp12	0.38350977	0.37924475	0.37797521	0.00126954	0.49404327	0.90650187
Dsn1	0.0510799	0.06186388	0.0605966	0.00126728	0.4629627	0.90650187
Tshr	0.00789397	0.01089984	0.0096384	0.00126144	0.28034245	0.90650187
Tmem81	0.01045222	0.0139978	0.01273992	0.00125789	0.3303524	0.90650187
Gm42595	0.01181678	0.01564173	0.01438987	0.00125186	0.34947076	0.90650187
Sorcs3	0.00812888	0.01115488	0.00992363	0.00123124	0.29062012	0.90650187

Scrg1	0.00598389	0.00854647	0.00731568	0.00123079	0.2272516	0.90650187
Tnni1	0.01404415	0.01830315	0.01707657	0.00122657	0.37474245	0.90650187
Sec62	1.94586369	0.92853892	0.92731524	0.00122368	0.49765967	0.90650187
4930426l24R	0.0059386	0.0084828	0.00726053	0.00122227	0.22711204	0.90650187
Gm2990	0.00582685	0.00834495	0.00712444	0.00122051	0.22315192	0.90650187
Zfp804a	0.01437571	0.01869507	0.01747582	0.00121925	0.37821925	0.90650187
Ddo	0.02275066	0.02871818	0.02750163	0.00121655	0.42204918	0.90650187
Glt8d1	0.46781656	0.44355961	0.44234434	0.00121526	0.49512763	0.90650187
Heatr5b	0.08462721	0.09943516	0.09822734	0.00120782	0.47820315	0.90650187
Rnf152	0.07260531	0.08613676	0.08493032	0.00120643	0.47482366	0.90650187
Uqcc1	0.21474515	0.23245204	0.23124768	0.00120436	0.49076407	0.90650187
Ankrd46	0.33246572	0.3374876	0.3362871	0.0012005	0.49366897	0.90650187
Pcdhga2	0.01294632	0.01695237	0.01575336	0.00119901	0.36754592	0.90650187
Zfp521	0.06866179	0.08171684	0.08052326	0.00119358	0.47373015	0.90650187
Grik2	0.00695118	0.00968161	0.00849268	0.00118893	0.26685275	0.90650187
Fam207a	0.3573761	0.35808576	0.35690194	0.00118381	0.49411754	0.90650187
Asb2	0.00580662	0.00828291	0.0070998	0.00118311	0.22940357	0.90650187
Atp11c	0.07470559	0.08844468	0.0872683	0.00117638	0.47610689	0.90650187
Rnf24	0.04592341	0.05583784	0.05466476	0.00117308	0.46199832	0.90650187
Hoxc6	0.0073424	0.01014025	0.00896829	0.00117196	0.28063993	0.90650187
Gjc3	0.0059121	0.00839813	0.00722826	0.00116987	0.23591528	0.90650187
Sema3e	0.02022094	0.02565115	0.02448513	0.00116602	0.41616781	0.90650187
Gm27200	0.00594105	0.00842756	0.00726352	0.00116404	0.23809366	0.90650187
Ankrd13b	0.04590061	0.05580043	0.05463843	0.00116199	0.46233831	0.90650187
Hoxd8	0.01838183	0.02344745	0.0222857	0.00116175	0.40836694	0.90650187
Chst10	0.03533743	0.0435186	0.04235963	0.00115897	0.45159472	0.90650187
G6pc3	0.35153168	0.35326753	0.35211267	0.00115485	0.49418337	0.90650187
Angptl1	0.02058481	0.02607369	0.02491965	0.00115405	0.41844272	0.90650187
Mpped2	0.23505134	0.25147216	0.25032346	0.00114871	0.49186198	0.90650187
Crlf1	0.02108081	0.02665878	0.02551162	0.00114717	0.42077815	0.90650187

Sgcd	0.03983043	0.04874799	0.04760337	0.00114462	0.45743632	0.90650187
Spr	0.50145266	0.46772927	0.46659121	0.00113806	0.49567427	0.90650187
Gm5468	0.01368837	0.01778065	0.01664797	0.00113269	0.38114762	0.90650187
Pcdhb18	0.01090818	0.01442285	0.01329157	0.00113128	0.35257496	0.90650187
A330048O09	0.00860009	0.01161464	0.01049554	0.0011191	0.31774369	0.90650187
Slc35a1	0.58091726	0.52204206	0.52092449	0.00111757	0.49619519	0.90650187
Lhx8	0.00888163	0.01195251	0.01083707	0.00111544	0.32362724	0.90650187
AA386476	0.02373482	0.02978634	0.0286724	0.00111394	0.43143785	0.90650187
Gm4221	0.00759995	0.01039344	0.00928125	0.00111219	0.29711237	0.90650187
Cdh7	0.01318079	0.0171479	0.01603613	0.00111177	0.37896143	0.90650187
RP23-449M8	0.00613245	0.00860255	0.00749654	0.00110601	0.25594879	0.90650187
Zdhhc2	0.24058793	0.25655436	0.25545208	0.00110228	0.49234762	0.90650187
Pcdhb16	0.03355299	0.04136801	0.04026833	0.00109968	0.45168524	0.90650187
Nsmce4a	0.58610036	0.52543174	0.52433248	0.00109925	0.49628186	0.90650187
4731419I09R	0.00797927	0.01083591	0.00974199	0.00109392	0.308821	0.90650187
RP23-4H17.3	0.08497401	0.09969843	0.09860787	0.00109056	0.48039327	0.90650187
Eme1	0.0331411	0.0408709	0.03978491	0.00108599	0.4517069	0.90650187
Wrb	0.18619518	0.20478295	0.20369751	0.00108545	0.49055018	0.90650187
Slc48a1	0.42809033	0.41375243	0.41267595	0.00107648	0.49537377	0.90650187
Flt4	0.02984178	0.03697386	0.03590299	0.00107086	0.44725595	0.90650187
Kcnq4	0.07595215	0.0897187	0.08865293	0.00106578	0.47868879	0.90650187
Doc2g	0.00585957	0.00822044	0.0071643	0.00105614	0.25611854	0.90650187
Lims2	0.04669917	0.05661247	0.05555975	0.00105272	0.4664354	0.90650187
Gm5141	0.06894979	0.08189292	0.08084588	0.00104704	0.47704354	0.90650187
Cd274	0.01070013	0.0140844	0.0130399	0.00104449	0.36088565	0.90650187
Ccdc78	0.02116726	0.02665895	0.02561474	0.00104421	0.42809391	0.90650187
Inpp5b	0.07946351	0.0935853	0.09254123	0.00104407	0.47999897	0.90650187
Drp2	0.00853698	0.01146248	0.01041896	0.00104352	0.32806892	0.90650187
Esyt2	0.19457097	0.21291267	0.21187071	0.00104195	0.49127865	0.90650187
Begain	0.050625	0.06111673	0.06007492	0.00104182	0.46927372	0.90650187

Stx11	0.02788463	0.03463314	0.03359216	0.00104098	0.44521343	0.90650187
Fam180a	0.01398573	0.01804589	0.01700621	0.00103968	0.39289457	0.90650187
Arhgap4	0.00795425	0.01075	0.00971159	0.00103841	0.31727063	0.90650187
Gm26786	0.00849389	0.01140214	0.01036667	0.00103547	0.32850445	0.90650187
Trim12c	0.14111117	0.15939549	0.15836203	0.00103346	0.48842767	0.90650187
Pld5	0.01548149	0.01983107	0.01880605	0.00102502	0.40427088	0.90650187
Zfp951	0.01393932	0.0179716	0.01695031	0.00102129	0.39440441	0.90650187
Krtcap3	0.28220552	0.29405828	0.29304061	0.00101767	0.49384111	0.90650187
4930556M19	0.01152562	0.01504824	0.01403807	0.00101017	0.37452088	0.90650187
Nuggc	0.0059824	0.0083221	0.00731386	0.00100824	0.26999044	0.90650187
Kdelr1	1.39454575	0.87419472	0.87319238	0.00100235	0.49796415	0.90650187
Gm16685	0.00577646	0.00806429	0.00706307	0.00100122	0.26428671	0.90650187
Phldb3	0.03774963	0.04617782	0.04517877	0.00099905	0.46084431	0.90650187
Rasa3	0.07038458	0.08344973	0.08245134	0.00099839	0.47853486	0.90650187
Syn3	0.01670677	0.02127467	0.02027772	0.00099695	0.41349331	0.90650187
Abhd14a	0.4786696	0.45124935	0.45025254	0.0009968	0.49607366	0.90650187
L3hypdh	0.13247155	0.15040196	0.14940533	0.00099663	0.48817109	0.90650187
Cp	0.0133417	0.01722502	0.01623014	0.00099488	0.39261564	0.90650187
Unc80	0.22551452	0.24240566	0.24141757	0.00098809	0.49274152	0.90650187
Traf6	0.05521912	0.06631624	0.0653292	0.00098704	0.47322424	0.90650187
Gm26740	0.00480983	0.00686237	0.005885	0.00097737	0.23015966	0.90650187
Coch	0.01800673	0.02280507	0.02183644	0.00096863	0.42183558	0.90650187
Adcyap1r1	0.07391086	0.08735213	0.08638438	0.00096776	0.48013936	0.90650187
Elovl4	0.03448884	0.04233269	0.04136573	0.00096695	0.45861669	0.90650187
C130026L21F	0.00825836	0.01104735	0.01008082	0.00096654	0.33496682	0.90650187
Ap3s1	1.22311743	0.83027918	0.8293132	0.00096598	0.49793419	0.90650187
Gm15879	0.00987533	0.01300692	0.01204146	0.00096546	0.36075517	0.90650187
Olfml1	0.05268652	0.06340005	0.06243659	0.00096346	0.47265406	0.90650187
Troap	0.03070679	0.03787537	0.0369224	0.00095297	0.45432508	0.90650187
Atxn7l3	0.10846639	0.12499695	0.12404707	0.00094988	0.48642186	0.90650187

Dmrt2	0.02159957	0.02707071	0.02613031	0.0009404	0.43644375	0.90650187
Wnt9a	0.04363838	0.05296307	0.0520232	0.00093986	0.46799332	0.90650187
Gm22	0.05388099	0.06473905	0.06380206	0.00093699	0.47397236	0.90650187
Mgat3	0.06975856	0.08268749	0.08175122	0.00093627	0.47969697	0.90650187
Man1a2	0.48209113	0.45366461	0.45272886	0.00093575	0.49633431	0.90650187
Cd83	0.02180958	0.02731612	0.02638066	0.00093546	0.43736936	0.90650187
Tmprss5	0.00554811	0.00771816	0.00678491	0.00093326	0.27043806	0.90650187
Zfp438	0.05042622	0.06077487	0.05984686	0.000928	0.47252071	0.90650187
ErbB2	0.10836774	0.12486815	0.1239414	0.00092675	0.48674104	0.90650187
BC089491	0.00576582	0.00797575	0.00705012	0.00092564	0.2797176	0.90650187
Gdap10	0.01747014	0.02211019	0.02119338	0.00091681	0.42374823	0.90650187
Galnt5	0.01626361	0.02066109	0.01974573	0.00091536	0.41836199	0.90650187
Tlr6	0.01198731	0.01550797	0.01459586	0.00091212	0.39057814	0.90650187
Fam173b	0.27898378	0.29110022	0.29019009	0.00091013	0.49443777	0.90650187
Dnajc28	0.04404462	0.05340171	0.05249342	0.00090829	0.46934266	0.90650187
Ston1	0.02626548	0.03257629	0.03167585	0.00090045	0.44971754	0.90650187
2410018L13F	0.0605682	0.07230704	0.07140717	0.00089988	0.47766138	0.90650187
Csrnp3	0.02268733	0.02832437	0.02742623	0.00089814	0.44212567	0.90650187
5033403F01I	0.00859606	0.01138597	0.01049065	0.00089532	0.35219281	0.90650187
Map1a	0.27849004	0.2906444	0.28975239	0.00089201	0.49454029	0.90650187
Cnksr2	0.00835957	0.01109406	0.01020367	0.00089039	0.3490327	0.90650187
S100z	0.0106578	0.01387433	0.01298868	0.00088565	0.38089598	0.90650187
Slc12a2	0.15472532	0.17317423	0.17229628	0.00087795	0.49096357	0.90650187
Tenm2	0.02457936	0.03055015	0.02967585	0.0008743	0.44789774	0.90650187
Sec23ip	0.39155758	0.38522159	0.38435433	0.00086726	0.49599824	0.90650187
Mirg	0.26483225	0.27841277	0.27755234	0.00086042	0.49450214	0.90650187
Lpxn	0.00722141	0.00967886	0.00882122	0.00085764	0.33279053	0.90650187
Col4a4	0.00967448	0.01265474	0.01179815	0.00085659	0.37343603	0.90650187
Ciz1	0.2847012	0.29609855	0.29524216	0.00085639	0.49485572	0.90650187
Usp32	0.11210712	0.12879261	0.12793856	0.00085405	0.48816252	0.90650187

Rabggta	0.16218069	0.18068553	0.17983617	0.00084936	0.4916242	0.90650187
Ankrd61	0.04184296	0.05078084	0.04994206	0.00083879	0.47024074	0.90650187
Ccdc189	0.17641179	0.19488946	0.19405443	0.00083504	0.49236872	0.90650187
Abcb11	0.00758764	0.01009594	0.00926629	0.00082966	0.34530107	0.90650187
Hspa4l	0.38714037	0.38168752	0.38085926	0.00082826	0.49614314	0.90650187
Igdcc3	0.00487386	0.00679028	0.00596308	0.00082719	0.26871918	0.90650187
Hid1	0.30633595	0.31491409	0.31408695	0.00082713	0.49532956	0.90650187
Fam65c	0.02000521	0.0250537	0.02422742	0.00082628	0.43974412	0.90650187
Foxc1	0.01467902	0.01866051	0.01784089	0.00081962	0.41908552	0.90650187
Dolpp1	0.09612971	0.11157696	0.11075874	0.00081822	0.48690049	0.90650187
Map4k1	0.01973508	0.02471598	0.02390462	0.00081136	0.44003069	0.90650187
Sec14l2	0.0249165	0.0308868	0.03007611	0.00081068	0.45230938	0.90650187
Gpr20	0.00818977	0.01080727	0.00999755	0.00080972	0.35940272	0.90650187
Pou6f2	0.0359748	0.04391199	0.0431054	0.0008066	0.4668514	0.90650187
Agpat9	0.01610794	0.0203591	0.01955877	0.00080032	0.42782685	0.90650187
Chd5	0.00756089	0.01003177	0.00923379	0.00079798	0.35041892	0.90650187
Pfkfb4	0.04605289	0.05560917	0.0548142	0.00079497	0.47429617	0.90650187
Rpl28	4.31646768	0.63224134	0.63145	0.00079134	0.4977774	0.90650187
Tppp	0.01011631	0.0131211	0.01233328	0.00078782	0.38821424	0.90650187
Ppp2r3c	0.29182618	0.30228122	0.30149603	0.0007852	0.49538121	0.90650187
RP24-274B19	0.00474174	0.00658537	0.00580196	0.00078341	0.2741638	0.90650187
Adh1	0.04431049	0.05358306	0.05280101	0.00078205	0.47375048	0.90650187
Scn1b	0.01453331	0.01844584	0.01766553	0.00078031	0.42216102	0.90650187
Aff3	0.03614646	0.04408621	0.04330615	0.00078006	0.46808773	0.90650187
Polr3d	0.43131969	0.41590533	0.41513063	0.00077469	0.49669035	0.90650187
Trhde	0.01387868	0.0176451	0.01687726	0.00076784	0.41985825	0.90650187
Ccdc30	0.09233157	0.1073995	0.10664126	0.00075824	0.48739186	0.90650187
Asap2	0.14513974	0.16324823	0.16250763	0.0007406	0.49191798	0.90650187
Lynx1	0.09310946	0.10822645	0.10748618	0.00074027	0.4877874	0.90650187
Ctnna3	0.01663156	0.02092594	0.02018746	0.00073848	0.43540656	0.90650187

Gm15747	0.01106832	0.01421893	0.01348525	0.00073368	0.40444109	0.90650187
Pgpep1	0.29742694	0.30711274	0.30637945	0.00073328	0.49575532	0.90650187
Tpbgl	0.02305153	0.02858887	0.02785971	0.00072916	0.45368648	0.90650187
Vps53	0.39610655	0.38866427	0.38793756	0.00072671	0.49667773	0.90650187
Rgs7bp	0.08092004	0.09487313	0.09414895	0.00072418	0.48636087	0.90650187
Rab43	0.03578317	0.04359905	0.04288125	0.00071781	0.47033939	0.90650187
Zdhhc14	0.05602005	0.06695962	0.06624198	0.00071764	0.48079346	0.90650187
Oxtr	0.01954172	0.02438752	0.02367348	0.00071404	0.44666614	0.90650187
Aqp8	0.00764577	0.01004176	0.00933692	0.00070484	0.36858681	0.90650187
Usp25	0.09527922	0.11054052	0.10983848	0.00070205	0.48866571	0.90650187
Dnah8	0.00588263	0.00789077	0.00719237	0.0006984	0.33298627	0.90650187
Nudt3	0.30779655	0.31604207	0.31534383	0.00069824	0.49607306	0.90650187
Golph3	0.47649192	0.44936479	0.44867231	0.00069247	0.49726277	0.90650187
Dchs1	0.10029078	0.11593432	0.11524806	0.00068626	0.48944042	0.90650187
Apobec1	0.00826625	0.01077606	0.0100904	0.00068566	0.38129321	0.90650187
Kbtbd13	0.0111235	0.01423722	0.01355197	0.00068525	0.41107144	0.90650187
Pced1a	0.0659522	0.07816647	0.07748205	0.00068441	0.484338	0.90650187
Cyp2s1	0.00817654	0.0106593	0.0099815	0.0006778	0.38137086	0.90650187
Gm12474	0.01177695	0.01501895	0.01434176	0.00067719	0.41686756	0.90650187
Cxcl1	0.01669395	0.0209325	0.02026234	0.00067016	0.44155225	0.90650187
D130043K22	0.01200642	0.015289	0.01461893	0.00067006	0.41926826	0.90650187
Sdcbp2	0.03899336	0.04729553	0.0466288	0.00066674	0.47465755	0.90650187
4933415A04	0.02187382	0.02712247	0.02645723	0.00066525	0.45549849	0.90650187
Has1	0.0101974	0.01309437	0.01243146	0.00066292	0.40630301	0.90650187
Chordc1	0.5280779	0.48590596	0.48524457	0.00066139	0.49758266	0.90650187
Zfp711	0.04664776	0.05615963	0.05550045	0.00065917	0.47894565	0.90650187
Zfp607	0.04340187	0.05240528	0.05174935	0.00065594	0.47753179	0.90650187
Mthfs1	0.4559347	0.43424054	0.43358961	0.00065093	0.49733748	0.90650187
Tnks1bp1	0.12835476	0.14575613	0.14510652	0.00064962	0.49206069	0.90650187
Arrdc4	0.26340753	0.27691893	0.27626937	0.00064956	0.49583016	0.90650187

Hmox1	0.08566958	0.10001784	0.09937059	0.00064725	0.48844975	0.90650187
Dgat2	0.09032871	0.10510858	0.10446193	0.00064665	0.48902264	0.90650187
Ltbr	0.28663641	0.29759163	0.29694535	0.00064628	0.49614008	0.90650187
Adam11	0.014101	0.01778753	0.01714504	0.00064249	0.4338451	0.90650187
Ky	0.01152182	0.01467403	0.01403348	0.00064054	0.41960085	0.90650187
Vill	0.05723611	0.06826284	0.06762603	0.00063681	0.48330397	0.90650187
Zfp526	0.02711981	0.03331644	0.03268749	0.00062895	0.46591621	0.90650187
Dlx2	0.00572107	0.00762361	0.00699561	0.00062799	0.34491719	0.90650187
Josd1	0.23610899	0.25192026	0.25130552	0.00061474	0.49566169	0.90650187
Akt2	0.44502921	0.42607607	0.42546702	0.00060905	0.49746122	0.90650187
Gm15594	0.02086877	0.02586569	0.0252586	0.00060709	0.45745399	0.90650187
A830005F24	0.01308913	0.01653116	0.0159256	0.00060557	0.43288118	0.90650187
Smim11	0.88770476	0.69896636	0.69836994	0.00059643	0.49848536	0.90650187
Pih1d1	0.40927823	0.39881592	0.39821974	0.00059618	0.49734484	0.90650187
Lipc	0.00509535	0.00682783	0.00623313	0.0005947	0.3357273	0.90650187
Lmntd2	0.01488179	0.01867784	0.01808487	0.00059297	0.44205406	0.90650187
Cpa4	0.02135943	0.02643585	0.02584397	0.00059188	0.45945201	0.90650187
Adcy4	0.06339183	0.07518892	0.07459845	0.00059047	0.4859648	0.90650187
Lin7a	0.05073846	0.0607932	0.06020507	0.00058813	0.48268003	0.90650187
Krt17	0.02319313	0.02861472	0.02802819	0.00058653	0.46293962	0.90650187
Phlpp1	0.04228403	0.05103713	0.05045378	0.00058335	0.47950335	0.90650187
Trmt10a	0.22484244	0.24136568	0.24078649	0.0005792	0.49573394	0.90650187
Agbl3	0.05349426	0.06393875	0.06336019	0.00057856	0.48380973	0.90650187
Best1	0.0079298	0.01025907	0.0096819	0.00057717	0.39549782	0.90650187
Nckap5l	0.06487389	0.07684291	0.07626878	0.00057412	0.48665198	0.90650187
E2f4	0.44430053	0.42549171	0.42492123	0.00057049	0.49761892	0.90650187
Taco1	0.04014435	0.04853604	0.04796857	0.00056747	0.47902861	0.90650187
Sympk	0.37396256	0.3709043	0.37034164	0.00056266	0.49730548	0.90650187
Rbm42	0.88225729	0.69616491	0.69560355	0.00056136	0.49856875	0.90650187
Mafk	0.09667081	0.11190226	0.11134371	0.00055855	0.49110389	0.90650187

Las1l	0.3361323	0.33991115	0.33935459	0.00055656	0.49709132	0.90650187
Gm8773	0.02189352	0.02703624	0.0264807	0.00055554	0.46284671	0.90650187
2700016F22l	0.00730109	0.00947135	0.00891808	0.00055328	0.39134875	0.90650187
A330017A19	0.11816529	0.13492756	0.13437772	0.00054984	0.49274348	0.90650187
Trabd2b	0.03196757	0.03894707	0.03840611	0.00054097	0.47503519	0.90650187
Abcb1b	0.01374796	0.01725631	0.01671977	0.00053654	0.44327929	0.90650187
Sfmbt2	0.01257227	0.0158377	0.01530207	0.00053563	0.43816862	0.90650187
Bend4	0.0267301	0.03275786	0.03222617	0.00053169	0.47076501	0.90650187
Chac2	0.20996104	0.22722302	0.22669136	0.00053165	0.49584064	0.90650187
Zfp516	0.48888507	0.45815217	0.45762254	0.00052963	0.49794742	0.90650187
Prrg1	0.08458312	0.09870738	0.09817895	0.00052843	0.49045521	0.90650187
Slc23a3	0.00812725	0.01044994	0.00992166	0.00052828	0.40644206	0.90650187
H2-DMb1	0.01703889	0.02120336	0.02067621	0.00052715	0.45487978	0.90650187
Fam83b	0.01067194	0.01352724	0.01300579	0.00052144	0.4292677	0.90650187
Tekt4	0.0264398	0.03240347	0.03188236	0.00052111	0.47103728	0.90650187
Fam78b	0.00969004	0.01233724	0.01181699	0.00052024	0.4224158	0.90650187
Cdh16	0.00859955	0.01101407	0.01049488	0.00051919	0.41296364	0.90650187
Abcg4	0.01133528	0.01432571	0.01380801	0.0005177	0.43381203	0.90650187
Utp15	0.07807385	0.09152071	0.0910045	0.00051621	0.48994099	0.90650187
Fam84b	0.07174202	0.08448166	0.08396748	0.00051418	0.48914103	0.90650187
Hdac7	0.2068635	0.22423955	0.22372863	0.00051092	0.49594993	0.90650187
Ryk	0.39904325	0.39075083	0.3902415	0.00050934	0.49768522	0.90650187
Neu3	0.02764399	0.03381148	0.03330762	0.00050385	0.47319153	0.90650187
Gm15492	0.0119736	0.01508237	0.01457929	0.00050308	0.43904104	0.90650187
6330562C20l	0.01488669	0.01859201	0.01809077	0.00050124	0.45098416	0.90650187
Zfp385b	0.0199409	0.02464877	0.02415058	0.00049819	0.46346587	0.90650187
4833403J16F	0.00540305	0.00710628	0.00660816	0.00049811	0.36877351	0.90650187
Coro2a	0.00730478	0.00941269	0.00892257	0.00049012	0.40353764	0.90650187
Ppp1r3d	0.01637556	0.02036374	0.01988015	0.0004836	0.45694162	0.90650187
A730098A19	0.02010199	0.02482653	0.02434305	0.00048348	0.46482136	0.90650187

Rab42	0.01253411	0.01573912	0.01525601	0.00048311	0.4440227	0.90650187
Padi3	0.01440835	0.01799635	0.01751511	0.00048124	0.45139208	0.90650187
Catsperd	0.00303767	0.00419849	0.00372117	0.00047732	0.28425746	0.90650187
Tbx1	0.00782904	0.01003648	0.00955953	0.00047695	0.41223448	0.90650187
Pilra	0.00737186	0.00947707	0.00900408	0.00047299	0.40767504	0.90650187
F420014N23	0.00806796	0.01032052	0.00984967	0.00047085	0.41585307	0.90650187
Zbtb40	0.06811456	0.08037047	0.07990992	0.00046054	0.48977973	0.90650187
Amd2	0.02449652	0.03003789	0.02957748	0.00046041	0.47241446	0.90650187
Itpripl1	0.09147275	0.10616698	0.10570746	0.00045952	0.49229068	0.90650187
Sprtn	0.00816429	0.01041539	0.00996662	0.00044876	0.42067367	0.90650187
Isoc2a	0.05014202	0.05996601	0.05952069	0.00044531	0.48673341	0.90650187
Tmem28	0.01015755	0.01282673	0.01238321	0.00044352	0.436746	0.90650187
Gm15834	0.01453762	0.01811361	0.01767072	0.00044289	0.4556404	0.90650187
RP23-457J22	0.00301338	0.00413161	0.00369148	0.00044013	0.29803885	0.90650187
Pknx1	0.27729284	0.28912493	0.28869014	0.0004348	0.49732889	0.90650187
Gm16740	0.05172143	0.06176614	0.06133178	0.00043436	0.48744157	0.90650187
Halr1	0.01752194	0.02168419	0.02125547	0.00042872	0.46427585	0.90650187
Srcin1	0.01282404	0.0160325	0.01560585	0.00042664	0.45163289	0.90650187
Gm17660	0.00529427	0.00690188	0.0064756	0.00042628	0.38489428	0.90650187
Hist1h2ag	0.05033838	0.06017075	0.05974607	0.00042469	0.48739544	0.90650187
Zc3h12a	0.0069542	0.0089144	0.00849636	0.00041804	0.41342784	0.90650187
Fbxo31	0.22961785	0.24567599	0.24526063	0.00041535	0.4969965	0.90650187
Pcdhb9	0.01959747	0.02414925	0.02374012	0.00040913	0.46946509	0.90650187
Jakmip2	0.00968213	0.01220977	0.01180742	0.00040235	0.43979515	0.90650187
Angel1	0.03790945	0.04576748	0.04536523	0.00040225	0.48427827	0.90650187
Apcs	0.01397046	0.01738976	0.01698782	0.00040195	0.45811364	0.90650187
Acss1	0.0098262	0.0123805	0.01198195	0.00039855	0.44122119	0.90650187
Gm29340	0.00565652	0.00731336	0.00691698	0.00039637	0.39945671	0.90650187
Ccdc141	0.06213388	0.07357282	0.07317816	0.00039466	0.49043591	0.90650187
Dhx58os	0.00695713	0.00889233	0.00849992	0.00039241	0.41869344	0.90650187

Naa38	1.14185459	0.80427125	0.80388164	0.00038962	0.49914042	0.90650187
St7	0.09090623	0.10547392	0.10509091	0.00038301	0.49353656	0.90650187
Ifitm5	0.01999563	0.02459865	0.02421597	0.00038267	0.47199652	0.90650187
Slitrk5	0.0176636	0.02180035	0.02142528	0.00037508	0.46898328	0.90650187
Insl6	0.02089064	0.02565829	0.0252847	0.00037359	0.47381417	0.90650187
Clspn	0.0646528	0.07638944	0.07601982	0.00036962	0.49137753	0.90650187
Esr1	0.01380922	0.01716206	0.01679358	0.00036848	0.46114732	0.90650187
Cap1	0.75775081	0.62917194	0.62880615	0.00036579	0.4989683	0.90650187
Gm26541	0.01410285	0.01751132	0.01714728	0.00036405	0.46240263	0.90650187
D830044I16F	0.01020855	0.01280566	0.01244496	0.00036069	0.44873933	0.90650187
Thop1	0.31192907	0.31924623	0.31888975	0.00035648	0.49801741	0.90650187
Gm2093	0.00942502	0.01185008	0.01149587	0.00035421	0.4455247	0.90650187
Pcca	0.17106408	0.18909077	0.18873835	0.00035242	0.49668842	0.90650187
Exoc3l2	0.00295396	0.00397028	0.00361883	0.00035145	0.33296472	0.90650187
Nsun3	0.05592452	0.06647984	0.06613316	0.00034669	0.49070352	0.90650187
Adamts7	0.07302266	0.08573998	0.08539541	0.00034457	0.49284424	0.90650187
Tiam2	0.00801719	0.01013127	0.00978802	0.00034325	0.43805614	0.90650187
Slc25a31	0.00458845	0.00595813	0.00561497	0.00034316	0.39292893	0.90650187
Chrnbl	0.0244402	0.02985176	0.02951059	0.00034117	0.4795054	0.90650187
Gm3839	0.00706846	0.00897417	0.00863529	0.00033888	0.43075117	0.90650187
Adrb3	0.00475289	0.00615372	0.00581555	0.00033817	0.39800826	0.90650187
Eva1a	0.04943215	0.05904239	0.05870547	0.00033692	0.48982236	0.90650187
Arhgef10	0.11200734	0.12816842	0.12783212	0.0003363	0.49533426	0.90650187
Lancl2	0.11681044	0.13327747	0.13294158	0.0003359	0.49551898	0.90650187
Oas1g	0.00753286	0.00953366	0.00919973	0.00033392	0.43590439	0.90650187
Sh2b2	0.00507286	0.0065389	0.00620571	0.00033319	0.40567344	0.90650187
Ccar2	0.25962972	0.27319077	0.27285807	0.0003327	0.49783752	0.90650187
BC029214	0.41536797	0.40325416	0.40292919	0.00032497	0.49856961	0.90650187
Otud7a	0.00530766	0.00680966	0.00649192	0.00031774	0.41387569	0.90650187
Car8	0.1249888	0.14189396	0.14157661	0.00031734	0.49602469	0.90650187

Akap6	0.01510893	0.01867476	0.01835809	0.00031668	0.4694363	0.90650187
1700029I15R	0.01740934	0.0214357	0.02112048	0.00031522	0.4735493	0.90650187
Gm26627	0.01037287	0.01295576	0.01264388	0.00031188	0.45634058	0.90650187
Gm7676	0.00734879	0.00928571	0.00897605	0.00030967	0.43905341	0.90650187
Pla2g7	0.00654594	0.008308	0.00799978	0.00030822	0.43200058	0.90650187
Tnfaip3	0.02693421	0.03276694	0.03246781	0.00029912	0.483665	0.90650187
Csf3	0.02168536	0.02652072	0.02623259	0.00028813	0.48052757	0.90650187
Dync1i1	0.01875858	0.02302146	0.02273671	0.00028476	0.47779949	0.90650187
Mak16	0.38514914	0.37956051	0.37927876	0.00028175	0.49868252	0.90650187
Srrm4	0.01719919	0.02114655	0.02086848	0.00027806	0.4763821	0.90650187
Pnpla3	0.00725339	0.00913516	0.0088601	0.00027507	0.44511384	0.90650187
Msantd3	0.11028681	0.12626648	0.12599492	0.00027156	0.49617756	0.90650187
RP23-474J16	0.01512429	0.01864513	0.01837657	0.00026857	0.47409858	0.90650187
Gpatch4	0.25747222	0.27117224	0.27090377	0.00026847	0.49824241	0.90650187
Bglap	0.02001998	0.02450978	0.02424506	0.00026471	0.4806436	0.90650187
Ghitm	0.58602555	0.52454759	0.5242834	0.00026418	0.49910632	0.90650187
Gm20512	0.00710367	0.00894111	0.00867809	0.00026302	0.4464096	0.90650187
Foxc2	0.00980609	0.0122199	0.01195759	0.00026231	0.46115556	0.90650187
Gm11149	0.00792234	0.0099332	0.00967285	0.00026035	0.45237724	0.90650187
Rnf166	0.23343302	0.24907859	0.24881862	0.00025997	0.49814701	0.90650187
Tpk1	0.13086263	0.1479861	0.14772769	0.00025842	0.49689761	0.90650187
2410015M2C	2.04439458	0.92670753	0.92645429	0.00025324	0.49951522	0.90650187
Lgals4	0.00956168	0.01191344	0.01166147	0.00025197	0.46173756	0.90650187
5730507C01I	0.00832724	0.01041615	0.01016442	0.00025172	0.45616677	0.90650187
Hcar1	0.02290162	0.0279263	0.02768131	0.00024499	0.48430772	0.90650187
Cldn8	0.03358349	0.04054706	0.04030412	0.00024295	0.48931057	0.90650187
Gm43101	0.03572448	0.04305455	0.04281258	0.00024197	0.48997718	0.90650187
Pm20d1	0.00287628	0.0037642	0.00352385	0.00024035	0.38085973	0.90650187
Siglec1	0.00732832	0.00919084	0.00895117	0.00023967	0.45262447	0.90650187
Wt1os	0.01643418	0.02018941	0.01995053	0.00023888	0.47877446	0.90650187

Klhl10	0.00823855	0.01029144	0.01005677	0.00023467	0.45869017	0.90650187
Scube1	0.01737802	0.02131616	0.02108293	0.00023323	0.48038805	0.90650187
Cd1d2	0.01386216	0.01708791	0.01685736	0.00023055	0.47575918	0.90650187
Dusp2	0.01260424	0.01556845	0.01534064	0.0002278	0.47368249	0.90650187
Itga10	0.00556545	0.00703132	0.00680604	0.00022528	0.44150701	0.90650187
RP23-299D2.	0.05796477	0.06867731	0.0684543	0.00022301	0.49422225	0.90650187
1700001O22	0.02342938	0.02852509	0.02830921	0.00021588	0.48647797	0.90650187
Gpr182	0.02214037	0.0269887	0.02677484	0.00021386	0.48583716	0.90650187
Fbxl17	0.14064917	0.15809658	0.15788478	0.00021179	0.4976209	0.90650187
Nqo1	0.08553364	0.09943304	0.09922158	0.00021146	0.49622029	0.90650187
Sh3rf1	0.08823871	0.10239037	0.10218182	0.00020855	0.49638034	0.90650187
AW112010	0.01871561	0.02289067	0.02268528	0.00020539	0.48394651	0.90650187
Parp14	0.00585087	0.0073589	0.0071537	0.0002052	0.44926461	0.90650187
Padi2	0.03229292	0.0389906	0.03878859	0.00020201	0.4907643	0.90650187
Myh8	0.0055423	0.00697614	0.00677783	0.00019831	0.44825517	0.90650187
D630045J12F	0.0851999	0.09905222	0.09885564	0.00019658	0.49647329	0.90650187
Reln	0.01288018	0.01586756	0.01567358	0.00019398	0.47806157	0.90650187
Gm26910	0.00942762	0.01169286	0.01149902	0.00019385	0.47013014	0.90650187
Tstd2	0.19885104	0.21621164	0.2160182	0.00019345	0.49841177	0.90650187
Ankrd34b	0.00949592	0.01177285	0.01158179	0.00019105	0.47076974	0.90650187
A930029G22	0.02684047	0.03254702	0.03235683	0.00019019	0.48957651	0.90650187
A4galt	0.04457206	0.05329157	0.05310353	0.00018804	0.49372023	0.90650187
St8sia2	0.02995529	0.03622122	0.03603683	0.00018439	0.49092622	0.90650187
Cideb	0.00283221	0.00364975	0.00346997	0.00017978	0.40891727	0.90650187
Thada	0.04838933	0.05768243	0.05750649	0.00017594	0.49457402	0.90650187
Ica1l	0.01247334	0.01535602	0.01518267	0.00017335	0.47975861	0.90650187
Gm973	0.00681263	0.00849619	0.00832419	0.000172	0.46340511	0.90650187
Zfp729b	0.07607914	0.08895768	0.08879385	0.00016383	0.49672777	0.90650187
B230208H11	0.01407487	0.01727563	0.01711357	0.00016206	0.48321034	0.90650187
Plekho1	0.06388671	0.07531805	0.07515656	0.0001615	0.49618903	0.90650187

Otud3	0.05282876	0.06275999	0.06259931	0.00016068	0.49544784	0.90650187
Mtus2	0.08954001	0.10375896	0.10360221	0.00015676	0.49731649	0.90650187
Jade1	0.32769499	0.3324354	0.33227876	0.00015664	0.49916392	0.90650187
Plet1	0.01076893	0.01327829	0.01312314	0.00015515	0.47904188	0.90650187
Figl1	0.11748745	0.13381189	0.13365949	0.0001524	0.49797782	0.90650187
Spats2	0.15739261	0.17515249	0.17500107	0.00015142	0.49846547	0.90650187
Npy1r	0.03205106	0.03864577	0.03850427	0.00014149	0.49348298	0.90650187
Slc6a20b	0.01581408	0.01934576	0.01920576	0.00014001	0.4870736	0.90650187
Psd2	0.00279828	0.00356283	0.00342848	0.00013435	0.43085051	0.90650187
Slc22a17	0.35817134	0.35768578	0.35755145	0.00013433	0.4993337	0.90650187
Pcdh12	0.02505982	0.03037565	0.03024621	0.00012944	0.49241028	0.90650187
Zkscan2	0.0306408	0.03697316	0.03684467	0.0001285	0.49381495	0.90650187
Agap3	0.12551779	0.14226038	0.14213227	0.00012811	0.49840149	0.90650187
Gm26759	0.01295274	0.01588741	0.0157611	0.00012631	0.48579016	0.90650187
Zfp52	0.02399491	0.02910664	0.02898156	0.00012509	0.49234574	0.90650187
Zfyve28	0.00530519	0.00661137	0.00648891	0.00012246	0.46656976	0.90650187
1700026L06F	0.09507782	0.1097385	0.10962041	0.00011809	0.49808939	0.90650187
Astn1	0.00534596	0.00665618	0.0065386	0.00011758	0.46814163	0.90650187
Phyhd1	0.01613612	0.01970969	0.01959263	0.00011706	0.48940504	0.90650187
Dhrs9	0.00798492	0.00985796	0.00974884	0.00010912	0.48015663	0.90650187
Il1r2	0.01354088	0.01657753	0.01647022	0.0001073	0.488447	0.90650187
Tfdp1	0.01721819	0.02099793	0.02089127	0.00010666	0.49094575	0.90650187
Tm6sf2	0.00789394	0.00974284	0.00963836	0.00010448	0.48078147	0.90650187
Prrg4	0.007108	0.00878776	0.00868336	0.0001044	0.47868637	0.90650187
Dusp8	0.07212047	0.08449368	0.08438971	0.00010397	0.49781491	0.90650187
Pou3f1	0.01293808	0.015843	0.01574342	9.96E-05	0.48878338	0.90650187
Plppr2	0.156087	0.17377717	0.17367812	9.90E-05	0.49898856	0.90650187
Plekhh2	0.22374693	0.23985338	0.23975684	9.65E-05	0.49928584	0.90650187
2610021A01	0.04259668	0.05091181	0.05081633	9.55E-05	0.49666782	0.90650187
5730596B20	0.01043961	0.01281613	0.01272465	9.15E-05	0.4872531	0.90650187

Cd37	0.0084253	0.01037479	0.01028344	9.13E-05	0.4842499	0.90650187
Megf8	0.08158238	0.09496945	0.09487905	9.04E-05	0.49831011	0.90650187
2310040G24	0.1007758	0.11586006	0.11577241	8.76E-05	0.49865737	0.90650187
Gna15	0.00657294	0.00811987	0.00803262	8.72E-05	0.48074375	0.90650187
Myo1h	0.018385	0.02237411	0.0222895	8.46E-05	0.49326848	0.90650187
Sptbn4	0.01002439	0.01230656	0.01222197	8.46E-05	0.48772672	0.90650187
Zbtb48	0.09408404	0.10862633	0.10854356	8.28E-05	0.49864756	0.90650187
Mical1	0.09629898	0.11102323	0.11094177	8.15E-05	0.49869783	0.90650187
Kifc1	0.08699789	0.10090634	0.10082523	8.11E-05	0.49857328	0.90650187
Ptgir	0.00543065	0.00671524	0.0066418	7.34E-05	0.48039627	0.90650187
Inpp5j	0.02655108	0.03208706	0.03201417	7.29E-05	0.49596179	0.90650187
Timm23	0.09380471	0.10831013	0.10824063	6.95E-05	0.4988612	0.90650187
Olfir78	0.0052231	0.0064532	0.00638886	6.43E-05	0.48214712	0.90650187
Gm37229	0.0102365	0.01253669	0.0124788	5.79E-05	0.49177299	0.90650187
Ctr9	0.60184239	0.53464166	0.53458481	5.68E-05	0.49981141	0.90650187
Igtp	0.02744658	0.03313025	0.03307412	5.61E-05	0.49699034	0.90650187
Nckap5	0.01971591	0.02393148	0.0238817	4.98E-05	0.49630264	0.90650187
Cntrl	0.16853096	0.18625677	0.18620888	4.79E-05	0.49954381	0.90650187
A530016L24I	0.01304626	0.01592133	0.0158739	4.74E-05	0.49470113	0.90650187
A930041C12I	0.00537565	0.00662024	0.00657478	4.55E-05	0.48773932	0.90650187
Maml1	0.12063567	0.13703553	0.13699055	4.50E-05	0.49941763	0.90650187
Seh1l	0.47761309	0.44952695	0.44948629	4.07E-05	0.49983956	0.90650187
9330182L06F	0.08825632	0.10224004	0.10220106	3.90E-05	0.4993235	0.90650187
Cebpa	0.02297963	0.02781281	0.02777415	3.87E-05	0.49753164	0.90650187
Serpina1e	0.0154163	0.01875973	0.01872768	3.20E-05	0.49696519	0.90650187
Nkain3	0.01001237	0.01223437	0.01220742	2.69E-05	0.49608494	0.90650187
Git1	0.14847277	0.16594616	0.16592366	2.25E-05	0.49975955	0.90650187
Anxa8	0.00271009	0.00334178	0.00332061	2.12E-05	0.48869925	0.90650187
Ppp1r36	0.00842421	0.01030153	0.01028212	1.94E-05	0.49665152	0.90650187
Adap1	0.00684466	0.0083815	0.00836314	1.84E-05	0.49610776	0.90650187

B3gnt7	0.01739054	0.02111508	0.02109794	1.71E-05	0.49855918	0.90650187
Tnfaip8l3	0.00869147	0.01062195	0.0106064	1.56E-05	0.49739902	0.90650187
Arid4a	0.4256268	0.41081194	0.41079825	1.37E-05	0.49994089	0.90650187
Zfp618	0.25222254	0.26614264	0.26612981	1.28E-05	0.49991448	0.90650187
Apoa2	0.03680891	0.04408917	0.04408042	8.75E-06	0.4996481	0.90650187
lqsec2	0.04517543	0.05380622	0.05380095	5.27E-06	0.49982633	0.90650187
Cldn2	0.02264824	0.02738094	0.0273797	1.24E-06	0.49991974	0.90650187
Hmcn2	0	0	0	0	NA	NA
Gm26725	0	0	0	0	NA	NA
Npm1	3.44064803	0.77974619	0.77974619	0	0.5	0.90650187
Mcmdc2	0.00791535	0.00966354	0.00966435	-8.11E-07	0.50014885	0.90650187
Wbscr25	0.00982466	0.01197888	0.01198008	-1.20E-06	0.50017792	0.90650187
Pdp2	0.03149836	0.0378524	0.03785422	-1.82E-06	0.50008537	0.90650187
Gm14295	0.07925208	0.09230385	0.0923076	-3.75E-06	0.50007206	0.90650187
Kcnj12	0.0051802	0.00633138	0.00633657	-5.18E-06	0.50145069	0.90650187
Car12	0.01479928	0.01797991	0.0179856	-5.69E-06	0.50056093	0.90650187
Asic2	0.00512257	0.00626031	0.00626632	-6.00E-06	0.50169924	0.90650187
Cfap36	0.71031413	0.60146214	0.60146885	-6.71E-06	0.50001978	0.90650187
Siah2	0.07759273	0.09046047	0.09047182	-1.13E-05	0.50022232	0.90650187
Amy2a5	0.00994194	0.01211056	0.01212213	-1.16E-05	0.50169311	0.90650187
Dnajc27	0.0386724	0.04624248	0.04625482	-1.23E-05	0.5004734	0.90650187
Gpc2	0.00746626	0.00910557	0.00911881	-1.32E-05	0.50257609	0.90650187
Herpud2	0.31914559	0.32503137	0.32504601	-1.46E-05	0.50007992	0.90650187
Eea1	0.54260127	0.49520765	0.49522639	-1.87E-05	0.5000671	0.90650187
Aatk	0.06487326	0.07624684	0.07626807	-2.12E-05	0.50049374	0.90650187
Hey2	0.0051715	0.00630313	0.00632597	-2.28E-05	0.50640052	0.90650187
Gm20939	0.01401737	0.01701924	0.01704432	-2.51E-05	0.50261009	0.90650187
Cplx1	0.01050317	0.01277046	0.01280158	-3.11E-05	0.50431058	0.90650187
Dact3	0.03745171	0.04479896	0.04483108	-3.21E-05	0.50127074	0.90650187
Bcl2l12	0.22410734	0.24006301	0.24009572	-3.27E-05	0.50024156	0.90650187

Gm28557	0.01759162	0.02130381	0.021339	-3.52E-05	0.50292474	0.90650187
Siah1b	0.12061306	0.13693001	0.13696668	-3.67E-05	0.50047476	0.90650187
Twist1	0.00951186	0.01156302	0.01160111	-3.81E-05	0.50582217	0.90650187
Ints5	0.17182141	0.18945342	0.1894932	-3.98E-05	0.50037228	0.90650187
Ubttd1	0.14311951	0.16039036	0.16043081	-4.05E-05	0.50044718	0.90650187
Ift88	0.2775209	0.28885102	0.28889259	-4.16E-05	0.50025522	0.90650187
Jdp2	0.0188106	0.02275459	0.02279897	-4.44E-05	0.50345208	0.90650187
Apba2	0.01510897	0.01830857	0.01835814	-4.96E-05	0.50478899	0.90650187
Tceal6	0.00783755	0.00951679	0.00956988	-5.31E-05	0.50983736	0.90650187
Opcml	0.03375985	0.04045791	0.04051102	-5.31E-05	0.50232527	0.90650187
BC065403	0.01504773	0.01822525	0.01828448	-5.92E-05	0.50574518	0.90650187
Lamp3	0.00713526	0.00865724	0.00871649	-5.93E-05	0.51205415	0.90650187
Zfp335os	0.03242804	0.03888533	0.03894737	-6.20E-05	0.5028251	0.90650187
Sema4a	0.07656499	0.08926246	0.08933283	-7.04E-05	0.50139695	0.90650187
Gm26870	0.00645507	0.00781036	0.00788921	-7.88E-05	0.51771994	0.90650187
Pcdhb8	0.01797196	0.02171557	0.02179478	-7.92E-05	0.50644557	0.90650187
Mslnl	0.0052107	0.00628953	0.00637374	-8.42E-05	0.52341975	0.90650187
Idh3a	0.56184706	0.50816244	0.50824708	-8.46E-05	0.50029535	0.90650187
Pik3cb	0.04085398	0.04870666	0.04879358	-8.69E-05	0.50315937	0.90650187
Zfp128	0.0126058	0.0152506	0.01534253	-9.19E-05	0.51062608	0.90650187
Cftr	0.00447612	0.00538517	0.00547793	-9.28E-05	0.53000436	0.90650187
Eno1b	0.07149666	0.08359791	0.08369363	-9.57E-05	0.50202841	0.90650187
Rsrc1	0.45162947	0.43029538	0.43039307	-9.77E-05	0.50040257	0.90650187
Gpr22	0.00682807	0.00824237	0.00834297	-0.0001006	0.5213746	0.90650187
6030408B16	0.03317702	0.03972283	0.03982708	-0.0001042	0.50464223	0.90650187
Gm2885	0.01058229	0.01278698	0.01289732	-0.0001103	0.51517052	0.90650187
Cpxm2	0.02816479	0.03381284	0.03392332	-0.0001105	0.50577602	0.90650187
Dlk2	0.00259954	0.0030747	0.0031854	-0.0001107	0.5613891	0.90650187
Upk3bl	0.0159327	0.01923746	0.01934828	-0.0001108	0.51015668	0.90650187
Prkch	0.06084269	0.07160682	0.07171791	-0.0001111	0.50274704	0.90650187

Gjc2	0.02093561	0.02522487	0.02533836	-0.0001135	0.50794309	0.90650187
Gm3716	0.00989762	0.01195223	0.01206845	-0.0001162	0.51707398	0.90650187
9530046B11	0.01058886	0.01278285	0.01290527	-0.0001224	0.51681836	0.90650187
Dyx1c1	0.01552605	0.01873681	0.01885961	-0.0001228	0.51154627	0.90650187
Inmt	0.00794052	0.00956988	0.00969493	-0.000125	0.52286279	0.90650187
Xlr4c	0.01534236	0.01851344	0.01863879	-0.0001253	0.51192532	0.90650187
Gm9828	0.06358806	0.07469079	0.07481979	-0.000129	0.50305785	0.90650187
Chrdl1	0.00257561	0.00301836	0.00315613	-0.0001378	0.57693527	0.90650187
Apela	0.00681663	0.0081898	0.00832906	-0.0001393	0.52962583	0.90650187
Zfp945	0.31652699	0.32267566	0.32281739	-0.0001417	0.50077867	0.90650187
Smad3	0.07938687	0.09231092	0.09245655	-0.0001456	0.5027936	0.90650187
Tmem8	0.02560146	0.03074263	0.03088876	-0.0001461	0.50838958	0.90650187
Grik4	0.00630983	0.00756564	0.00771245	-0.0001468	0.53371992	0.90650187
Rnf145	0.49519603	0.4619933	0.4621402	-0.0001469	0.50056376	0.90650187
Anxa6	1.45906209	0.88594546	0.88609288	-0.0001474	0.50029508	0.90650187
Wnt2b	0.00975796	0.01174875	0.01189929	-0.0001505	0.52242432	0.90650187
Mapkapk2	0.15200474	0.16937498	0.16952904	-0.0001541	0.50161174	0.90650187
Col4a5	0.06501216	0.07626589	0.07642446	-0.0001586	0.50367982	0.90650187
Mettl7a1	0.12048361	0.13667034	0.13682994	-0.0001596	0.50206869	0.90650187
Tagap	0.00780788	0.00936835	0.00953384	-0.0001655	0.53075548	0.90650187
A230005M16	0.00675744	0.00809056	0.00825706	-0.0001665	0.53571501	0.90650187
Gm15608	0.00519148	0.00618352	0.00635031	-0.0001668	0.54647699	0.90650187
Gm20721	0.18173951	0.19915187	0.19931871	-0.0001668	0.5014845	0.90650187
A830080D01	0.10580654	0.12102556	0.12119359	-0.000168	0.50245906	0.90650187
Palb2	0.03086761	0.03694258	0.03711179	-0.0001692	0.50808556	0.90650187
Sbk2	0.00254716	0.00295204	0.00312133	-0.0001693	0.5952629	0.90650187
Hexim2	0.06020606	0.07082701	0.07099702	-0.00017	0.50424698	0.90650187
lqcb1	0.29106716	0.30065941	0.30083201	-0.0001726	0.50101756	0.90650187
Ccdc15	0.04741198	0.0562078	0.05638129	-0.0001735	0.50545734	0.90650187
Lypd6b	0.02160726	0.02596376	0.02613949	-0.0001757	0.51192128	0.90650187

Mir17hg	0.03863222	0.04602674	0.046208	-0.0001813	0.50695685	0.90650187
Arntl2	0.01495952	0.01799375	0.01817838	-0.0001846	0.51800703	0.90650187
Psen2	0.26300165	0.27571708	0.27590352	-0.0001864	0.50119849	0.90650187
Gm26720	0.02266793	0.02721627	0.02740314	-0.0001869	0.51209223	0.90650187
Ankrd35	0.02265093	0.02719348	0.0273829	-0.0001894	0.5122666	0.90650187
Mapkapk3	0.0281475	0.03370776	0.03390288	-0.0001951	0.51020599	0.90650187
Rspo2	0.00706099	0.00842294	0.0086262	-0.0002033	0.54171395	0.90650187
Nup37	0.16521701	0.18268259	0.18288886	-0.0002063	0.50200031	0.90650187
Skida1	0.04731828	0.05606463	0.05627335	-0.0002087	0.5065779	0.90650187
Plcb1	0.10896017	0.1243653	0.12457583	-0.0002105	0.50299711	0.90650187
Rspo4	0.03746229	0.04463146	0.04484343	-0.000212	0.50838266	0.90650187
Casc1	0.02761343	0.03305177	0.03327148	-0.0002197	0.51171002	0.90650187
Egr2	0.04219367	0.05012324	0.05034897	-0.0002257	0.50795083	0.90650187
Adprh	0.82000749	0.66284977	0.66307625	-0.0002265	0.50060578	0.90650187
Bcor	0.25050113	0.26433089	0.26455859	-0.0002277	0.50152645	0.90650187
Adamtsl2	0.02383434	0.02855924	0.02879071	-0.0002315	0.51425537	0.90650187
Arhgef7	0.26177522	0.27456447	0.27479709	-0.0002326	0.5015013	0.90650187
Fgfr3	0.09930985	0.11395656	0.11419092	-0.0002344	0.50363977	0.90650187
Pnma2	0.03119978	0.03725975	0.03750285	-0.0002431	0.51149471	0.90650187
Zfp454	0.03956216	0.04704661	0.04729115	-0.0002445	0.50916995	0.90650187
Mppe1	0.01385217	0.01659432	0.01684533	-0.000251	0.52640735	0.90650187
2010320M18	0.33977669	0.34214094	0.34239227	-0.0002513	0.50130185	0.90650187
Tep1	0.0834628	0.096696	0.09694843	-0.0002524	0.50461775	0.90650187
Paqr6	0.03783892	0.04502911	0.04528295	-0.0002538	0.50994086	0.90650187
Ppm1j	0.00246394	0.00276231	0.00301953	-0.0002572	0.64754157	0.90650187
Zmat4	0.0074393	0.00882547	0.00908605	-0.0002606	0.5507251	0.90650187
Gm26810	0.04764379	0.05638753	0.0566483	-0.0002608	0.50816368	0.90650187
Rapsn	0.01702507	0.02039391	0.02065963	-0.0002657	0.5227987	0.90650187
Sfxn4	0.10021196	0.11489583	0.11516282	-0.000267	0.50411169	0.90650187
Sorbs1	0.03280669	0.03912374	0.03939223	-0.0002685	0.51208624	0.90650187

Gbp4	0.01149058	0.01372684	0.01399573	-0.0002689	0.53403232	0.90650187
Gm5148	0.01042616	0.01243597	0.01270837	-0.0002724	0.53795774	0.90650187
Tnfrsf21	0.1290054	0.14551156	0.14578728	-0.0002757	0.50335415	0.90650187
Arc	0.08590505	0.09935249	0.09962863	-0.0002761	0.50491569	0.90650187
Dysf	0.02042666	0.02445213	0.02473082	-0.0002787	0.51997797	0.90650187
Gm42567	0.00439845	0.00509874	0.00538317	-0.0002844	0.59285307	0.90650187
Erg	0.02060632	0.02466091	0.02494534	-0.0002844	0.52021334	0.90650187
Eda	0.02847357	0.03400318	0.03428817	-0.000285	0.51473766	0.90650187
Atcay	0.00666113	0.00785263	0.00813991	-0.0002873	0.56233699	0.90650187
Aloxe3	0.00881975	0.01047107	0.01076201	-0.0002909	0.54782969	0.90650187
Gabrp	0.00397833	0.00457917	0.00487038	-0.0002912	0.60480895	0.90650187
Ddias	0.01772571	0.02120686	0.02149971	-0.0002929	0.52414295	0.90650187
Col9a1	0.0423189	0.05019989	0.05049422	-0.0002943	0.51033662	0.90650187
Efcab11	0.04248838	0.0503929	0.05069076	-0.0002979	0.51041999	0.90650187
Gm21887	0.00422686	0.00485947	0.00517376	-0.0003143	0.60644308	0.90650187
Rhobtb1	0.11235523	0.12788876	0.12820315	-0.0003144	0.50434912	0.90650187
Slfn9	0.03222534	0.03838678	0.03870915	-0.0003224	0.51476668	0.90650187
Gria1	0.00902089	0.01068346	0.01100595	-0.0003225	0.55181966	0.90650187
Gm33466	0.00700316	0.00823282	0.00855589	-0.0003231	0.56665414	0.90650187
Fabp3	0.23003335	0.24532569	0.24564883	-0.0003231	0.50233302	0.90650187
Fndc3c1	0.00401252	0.00458489	0.00491211	-0.0003272	0.61644182	0.90650187
Tor3a	0.05940279	0.06975864	0.07008657	-0.0003279	0.50829787	0.90650187
Trappc12	0.20744452	0.22395559	0.22428513	-0.0003295	0.50260584	0.90650187
Hecw1	0.00757979	0.00892637	0.00925675	-0.0003304	0.56303514	0.90650187
Al846148	0.18968392	0.20677876	0.20711103	-0.0003323	0.50284533	0.90650187
Ssr1	1.44234823	0.88258318	0.88292002	-0.0003368	0.50067663	0.90650187
Angptl7	0.00937657	0.01109981	0.01143714	-0.0003373	0.5521609	0.90650187
1700020I14R	0.46827887	0.44234279	0.442683	-0.0003402	0.501363	0.90650187
Sirt7	0.33664228	0.33943987	0.33978035	-0.0003405	0.5017772	0.90650187
Pik3c2b	0.02981406	0.03552859	0.0358703	-0.0003417	0.51689018	0.90650187

Prprt2	0.00772966	0.00909514	0.00943882	-0.0003437	0.5642965	0.90650187
Popdc2	0.01221858	0.01453121	0.01487513	-0.0003439	0.54093371	0.90650187
Ifi44	0.00467079	0.00537149	0.00571542	-0.0003439	0.6054645	0.90650187
Liph	0.00508937	0.00588036	0.00622585	-0.0003455	0.59743043	0.90650187
Gm43543	0.00687421	0.00805121	0.00839908	-0.0003479	0.57304363	0.90650187
Gm42670	0.01116076	0.01324787	0.01359703	-0.0003492	0.54544347	0.90650187
Zfp933	0.0275144	0.03279996	0.03315435	-0.0003544	0.5189502	0.90650187
Tmem110	0.15497601	0.17219445	0.17255084	-0.0003564	0.50366298	0.90650187
Enpp3	0.03373829	0.04012793	0.04048572	-0.0003578	0.51566968	0.90650187
Phka1	0.03779059	0.04486773	0.04522657	-0.0003588	0.51406867	0.90650187
Spata13	0.12487626	0.14109816	0.14145835	-0.0003602	0.50451583	0.90650187
D130017N08	0.05020961	0.05923235	0.05959827	-0.0003659	0.51088777	0.90650187
Cxcr2	0.02259853	0.02694945	0.02732051	-0.0003711	0.5240733	0.90650187
Adra2b	0.00934606	0.01102863	0.01140016	-0.0003715	0.55759814	0.90650187
Gm38186	0.00770954	0.00904159	0.00941439	-0.0003728	0.56986808	0.90650187
Xylt2	0.17117935	0.1884779	0.18885329	-0.0003754	0.50352522	0.90650187
Lca5l	0.02268275	0.02704466	0.02742079	-0.0003761	0.52431243	0.90650187
Spns2	0.0137912	0.01639377	0.01677187	-0.0003781	0.53991472	0.90650187
RP23-53O7.2	0.0192468	0.02293947	0.02332082	-0.0003813	0.52897568	0.90650187
Gm30074	0.03642835	0.04324937	0.04363571	-0.0003863	0.51569851	0.90650187
Rgs22	0.0070167	0.00818509	0.00857235	-0.0003873	0.57958675	0.90650187
Rilp	0.01433911	0.01704229	0.01743176	-0.0003895	0.53956027	0.90650187
Lancl3	0.01722352	0.02050797	0.02089766	-0.0003897	0.53303463	0.90650187
Per3	0.08800255	0.10153177	0.10192379	-0.000392	0.506821	0.90650187
Gm26559	0.01761042	0.02096527	0.02136153	-0.0003963	0.53286279	0.90650187
Fryl	0.37192155	0.36830224	0.36870035	-0.0003981	0.501915	0.90650187
Slc25a43	0.00826513	0.00968969	0.01008904	-0.0003994	0.5698407	0.90650187
Gm5426	0.00892922	0.01049394	0.01089478	-0.0004008	0.56496259	0.90650187
Adam9	0.14674788	0.16375515	0.16415743	-0.0004023	0.50434613	0.90650187
Gm15675	0.00230848	0.00242473	0.00282931	-0.0004046	0.73751397	0.90650187

Ccdc28a	0.06305634	0.07381279	0.07421989	-0.0004071	0.50972698	0.90650187
Edar	0.00700614	0.00814919	0.00855952	-0.0004103	0.58438136	0.90650187
Fam57a	0.10609411	0.12109027	0.12150253	-0.0004123	0.50601738	0.90650187
Itga7	0.03906319	0.04628998	0.04671013	-0.0004202	0.51594869	0.90650187
Sh3kbp1	0.18628648	0.20336659	0.20378701	-0.0004204	0.5036588	0.90650187
Bean1	0.00638668	0.00738336	0.00780599	-0.0004226	0.59510272	0.90650187
Rsl24d1	0.52831118	0.48498298	0.48540595	-0.000423	0.5015454	0.90650187
Tifa	0.01891828	0.02250077	0.02292782	-0.000427	0.53299562	0.90650187
Cep85l	0.0566841	0.06656997	0.06699803	-0.0004281	0.51133001	0.90650187
Bcas3os2	0.0073794	0.00858346	0.00901326	-0.0004298	0.58394149	0.90650187
Gm5868	0.00688748	0.00798148	0.00841522	-0.0004337	0.59061937	0.90650187
Igsf1	0.06297009	0.07368596	0.07412255	-0.0004366	0.51044512	0.90650187
Slc27a6	0.01531409	0.01816669	0.0186048	-0.0004381	0.54168766	0.90650187
Sdccag3	0.403335	0.39315553	0.39359665	-0.0004411	0.50198769	0.90650187
Fv1	0.00533414	0.00608181	0.0065242	-0.0004424	0.61846111	0.90650187
Mfsd7a	0.0126624	0.01496691	0.01541082	-0.0004439	0.55094776	0.90650187
C2cd4a	0.01545241	0.01832655	0.01877109	-0.0004445	0.54192389	0.90650187
1700058P15l	0.01141419	0.01345409	0.0139034	-0.0004493	0.55711872	0.90650187
Gm5424	0.0356257	0.04224728	0.04269701	-0.0004497	0.51867378	0.90650187
Rab17	0.01206126	0.01423377	0.01468516	-0.0004514	0.55434622	0.90650187
Clvs2	0.00487469	0.00551243	0.0059641	-0.0004517	0.63181678	0.90650187
Zfp185	0.03260401	0.03870235	0.03915414	-0.0004518	0.52045535	0.90650187
Dnaic2	0.00654588	0.00754702	0.0079997	-0.0004527	0.59930988	0.90650187
Wdr25	0.02708592	0.0321938	0.03264738	-0.0004536	0.52462424	0.90650187
Zfp941	0.01140849	0.01344273	0.01389651	-0.0004538	0.55771109	0.90650187
Fam217b	0.0327411	0.03885899	0.03931518	-0.0004562	0.52057005	0.90650187
Maml2	0.07287011	0.08476903	0.08522544	-0.0004564	0.50949714	0.90650187
Ccdc171	0.02957508	0.03513089	0.03558844	-0.0004576	0.52278986	0.90650187
Cmtm1	0.00224161	0.00228629	0.00274748	-0.0004612	0.77223477	0.90650187
Cds1	0.00224027	0.00228356	0.00274584	-0.0004623	0.77290344	0.90650187

Artn	0.01278672	0.01509443	0.01556083	-0.0004664	0.55300087	0.90650187
Banf2os	0.00441817	0.00493709	0.00540722	-0.0004701	0.6504472	0.90650187
Gm11770	0.00223037	0.00226342	0.00273372	-0.0004703	0.77780726	0.90650187
4933405D12	0.01668883	0.01978518	0.0202562	-0.000471	0.54116642	0.90650187
Gbp3	0.00884523	0.0103199	0.01079292	-0.000473	0.57723874	0.90650187
Gulo	0.01225377	0.014444	0.01491762	-0.0004736	0.55612202	0.90650187
Gm26648	0.01270335	0.01498176	0.01546024	-0.0004785	0.55471615	0.90650187
Dhh	0.01155779	0.01359364	0.01407695	-0.0004833	0.5606557	0.90650187
9530059O14	0.00749044	0.00865934	0.0091482	-0.0004889	0.5938902	0.90650187
Camk2a	0.00756414	0.00874886	0.00923774	-0.0004889	0.59300193	0.90650187
Fgf16	0.00487205	0.00547007	0.00596088	-0.0004908	0.64283187	0.90650187
Cntnap1	0.01028065	0.01204134	0.01253224	-0.0004909	0.56912182	0.90650187
Extl3	0.12204305	0.13798432	0.13847577	-0.0004914	0.50629401	0.90650187
Dtx3	0.69521444	0.59203989	0.59253311	-0.0004932	0.5014763	0.90650187
Aldh1l1	0.01561498	0.01847098	0.0189665	-0.0004955	0.54623181	0.90650187
Best3	0.01615617	0.01911803	0.01961671	-0.0004987	0.54498985	0.90650187
Mettl24	0.01086653	0.01273865	0.0132412	-0.0005026	0.56699409	0.90650187
Pdyn	0.00218936	0.00218095	0.00268353	-0.0005026	0.79746044	0.9075779
Ccdc178	0.0048467	0.00542378	0.00592996	-0.0005062	0.64783151	0.90650187
Fam20a	0.09860723	0.11292691	0.11343381	-0.0005069	0.5079248	0.90650187
Traf1	0.00740805	0.0085398	0.00904807	-0.0005083	0.59860257	0.90650187
Hist1h2an	0.01816436	0.02151586	0.02202527	-0.0005094	0.54094698	0.90650187
Slc28a2	0.00217854	0.00215944	0.00267028	-0.0005108	0.80246837	0.90870058
Gm5449	0.00476707	0.00531975	0.00583285	-0.0005131	0.65212439	0.90650187
Wif1	0.04822507	0.05680022	0.05731749	-0.0005173	0.51600103	0.90650187
Zfp808	0.00940653	0.01095569	0.01147346	-0.0005178	0.57950202	0.90650187
Gm43948	0.01186215	0.01392685	0.01444467	-0.0005178	0.56331165	0.90650187
RP24-259P13	0.00935206	0.01088848	0.01140744	-0.000519	0.58013775	0.90650187
Gm26514	0.00828754	0.0095963	0.01011624	-0.0005199	0.59036591	0.90650187
Ift140	0.04515176	0.05324898	0.0537736	-0.0005246	0.51729728	0.90650187

Ppp1r42	0.01079656	0.01263151	0.01315656	-0.0005251	0.57040899	0.90650187
Dnaaf3	0.0021587	0.00212029	0.002646	-0.0005257	0.81145299	0.9092537
Chst3	0.00729007	0.00837884	0.00890469	-0.0005259	0.60354255	0.90650187
Frmd8os	0.00759103	0.00874405	0.00927042	-0.0005264	0.59964081	0.90650187
Ttc39b	0.09529437	0.10932652	0.10985488	-0.0005284	0.50852947	0.90650187
Gm17455	0.00214743	0.00209822	0.00263221	-0.000534	0.81643934	0.9092537
Xkr8	0.05763997	0.0675503	0.0680852	-0.0005349	0.51393071	0.90650187
Tiparp	0.22599109	0.241329	0.24186479	-0.0005358	0.50392878	0.90650187
Nek2	0.02520854	0.02988343	0.03042268	-0.0005392	0.53140387	0.90650187
Rims1	0.00478219	0.00531181	0.00585129	-0.0005395	0.65905186	0.90650187
Epn2	0.26428374	0.27651516	0.27705864	-0.0005435	0.50347895	0.90650187
Nat1	0.00212393	0.00205254	0.00260345	-0.0005509	0.82657452	0.90947782
Kif14	0.02785684	0.03300642	0.03355931	-0.0005529	0.52919299	0.90650187
Gm11940	0.01884262	0.0222842	0.02283728	-0.0005531	0.54286941	0.90650187
Slc17a9	0.01424366	0.01676298	0.01731684	-0.0005539	0.55653433	0.90650187
Gm20692	0.00485651	0.00538636	0.00594192	-0.0005556	0.66117015	0.90650187
Jph1	0.00938869	0.01089589	0.01145183	-0.0005559	0.58543514	0.90650187
Gm43598	0.00621375	0.00703365	0.00759551	-0.0005619	0.62886661	0.90650187
Tbx15	0.00697762	0.00795972	0.00852483	-0.0005651	0.61588786	0.90650187
Pde4dip	0.18810652	0.20500353	0.20556926	-0.0005657	0.50488074	0.90650187
Pitpnc1	0.36286323	0.36080616	0.36137302	-0.0005669	0.50278205	0.90650187
Pradc1	0.21177198	0.22785158	0.22841886	-0.0005673	0.50440453	0.90650187
2900089D17	0.01450107	0.01705728	0.01762672	-0.0005694	0.55709902	0.90650187
Amhr2	0.00484115	0.00534931	0.00592319	-0.0005739	0.66666324	0.90650187
Tulp2	0.00577017	0.00648006	0.00705541	-0.0005754	0.6415215	0.90650187
Micalcl	0.06309818	0.07369061	0.07426711	-0.0005765	0.51376448	0.90650187
Gm9938	0.0020868	0.0019814	0.002558	-0.0005766	0.84184691	0.91251845
2810429I04R	0.00433584	0.00472883	0.00530676	-0.0005779	0.68586028	0.90650187
Caskin1	0.00207712	0.00196307	0.00254615	-0.0005831	0.84567664	0.9136218
Svopl	0.02145233	0.025371	0.02595475	-0.0005838	0.53982266	0.90650187

Slc1a2	0.00682958	0.00775891	0.0083448	-0.0005859	0.62252792	0.90650187
Shmt1	0.0661391	0.07710561	0.07769218	-0.0005866	0.51338747	0.90650187
Pcbp3	0.16969623	0.18678371	0.18737335	-0.0005896	0.50558096	0.90650187
Cenpu	0.04802633	0.05649582	0.05708875	-0.0005929	0.5184136	0.90650187
Ube2d2a	1.58019728	0.90505639	0.9056559	-0.0005995	0.50117402	0.90650187
Clca3a1	0.03688362	0.0435679	0.0441677	-0.0005998	0.52407013	0.90650187
Mmp24	0.01148607	0.01339025	0.01399027	-0.0006	0.575607	0.90650187
Rslcan18	0.00481722	0.00529308	0.00589401	-0.0006009	0.67481801	0.90650187
Mmp28	0.00613041	0.00689001	0.00749407	-0.0006041	0.63995418	0.90650187
1700007G11	0.00711503	0.00808424	0.0086919	-0.0006077	0.62202298	0.90650187
Rgag4	0.13555317	0.15199685	0.15260999	-0.0006131	0.50712514	0.90650187
Prex1	0.09690487	0.11098307	0.11159662	-0.0006135	0.50974982	0.90650187
Arf4os	0.00667099	0.00753771	0.0081519	-0.0006142	0.63116758	0.90650187
Strn	0.08503752	0.09806172	0.09867755	-0.0006158	0.51106692	0.90650187
Etv6	0.08814614	0.10146405	0.10208068	-0.0006166	0.51071207	0.90650187
Hcn1	0.00478725	0.00523762	0.00585746	-0.0006198	0.68097893	0.90650187
Popdc3	0.00201342	0.00184451	0.00246818	-0.0006237	0.86935016	0.92141903
Med9	0.41952244	0.40550082	0.40612611	-0.0006253	0.50273061	0.90650187
Dlg2	0.01432579	0.0167871	0.01741573	-0.0006286	0.56374319	0.90650187
Dkk1	0.00473382	0.00516342	0.0057923	-0.0006289	0.68533369	0.90650187
Napsa	0.00710887	0.00805305	0.00868441	-0.0006314	0.62672767	0.90650187
Hk1os	0.01503696	0.01763986	0.01827153	-0.0006317	0.56107221	0.90650187
Prkg2	0.01383246	0.01618928	0.01682158	-0.0006323	0.56635535	0.90650187
Gm28151	0.00433481	0.00466977	0.0053055	-0.0006357	0.70287853	0.90650187
Ninl	0.05129549	0.06020738	0.06084374	-0.0006364	0.5185424	0.90650187
Nox4	0.02157292	0.02546034	0.02609854	-0.0006382	0.54328442	0.90650187
Myo7a	0.01606987	0.01887265	0.01951305	-0.0006404	0.55799991	0.90650187
Col6a5	0.02942636	0.03477127	0.03541301	-0.0006417	0.53210439	0.90650187
Snip1	0.22300961	0.23842019	0.23906316	-0.000643	0.50476986	0.90650187
Slc1a6	0.01067812	0.01236773	0.01301327	-0.0006455	0.58727063	0.90650187

Galm	0.05814842	0.06801705	0.06866292	-0.0006459	0.51667776	0.90650187
Bdp1	0.42385874	0.40879945	0.40944788	-0.0006484	0.50280871	0.90650187
1700041G16	0.00750185	0.00851278	0.00916206	-0.0006493	0.6236346	0.90650187
Gm12031	0.00196626	0.00175912	0.00241044	-0.0006513	0.88517221	0.92807528
Phactr3	0.01328585	0.01551115	0.0161628	-0.0006517	0.57112445	0.90650187
Gm17430	0.00196309	0.00175344	0.00240656	-0.0006531	0.88618576	0.92870801
Arhgef33	0.00478239	0.005198	0.00585154	-0.0006535	0.69023498	0.90650187
Gpr88	0.00195723	0.001743	0.00239939	-0.0006564	0.88803855	0.92986219
Lgr5	0.00364959	0.00381148	0.00446892	-0.0006574	0.74344742	0.90650187
5430402O13	0.00878892	0.01006661	0.01072462	-0.000658	0.60748204	0.90650187
Sorcs1	0.02707766	0.03197916	0.03263761	-0.0006584	0.53573241	0.90650187
Gm38399	0.03296898	0.03892143	0.03958281	-0.0006614	0.5296067	0.90650187
Cfap70	0.004099	0.00435152	0.00501769	-0.0006662	0.72247806	0.90650187
Ace	0.01538273	0.01802027	0.01868733	-0.0006671	0.56304334	0.90650187
Gm15559	0.01445623	0.01690473	0.01757276	-0.000668	0.56710096	0.90650187
Mid2	0.03865333	0.04555992	0.0462326	-0.0006727	0.52578692	0.90650187
M5C1000I18	0.00476119	0.00515251	0.00582567	-0.0006732	0.69626766	0.90650187
Chdh	0.01178979	0.01368305	0.01435727	-0.0006742	0.58268406	0.90650187
Tulp1	0.03155203	0.03723755	0.03791737	-0.0006798	0.53176442	0.90650187
Mrpl20	1.17835173	0.81500216	0.81568229	-0.0006801	0.50147879	0.90650187
Spg20	0.20848906	0.22460456	0.2252847	-0.0006801	0.50535422	0.90650187
Alox12	0.01730944	0.0203205	0.02100069	-0.0006802	0.55724557	0.90650187
Mrap	0.00711388	0.00800637	0.00869051	-0.0006841	0.63681984	0.90650187
Fgd3	0.00451672	0.00484245	0.00552746	-0.000685	0.70916319	0.90650187
Hrc	0.023277	0.02744143	0.02812797	-0.0006865	0.54320316	0.90650187
Fam109a	0.12281001	0.13859733	0.13928413	-0.0006868	0.50874458	0.90650187
Tmem114	0.0047306	0.00510095	0.00578836	-0.0006874	0.70123363	0.90650187
Bmp2	0.03394876	0.04004073	0.04073259	-0.0006919	0.53009572	0.90650187
2310040G07	0.01006831	0.01158226	0.01227516	-0.0006929	0.59907178	0.90650187
Gm10083	0.01086746	0.01254222	0.01324233	-0.0007001	0.59290933	0.90650187

Gm11696	0.01612013	0.01887202	0.01957342	-0.0007014	0.56328557	0.90650187
2610008E11I	0.13265892	0.14889751	0.14960051	-0.000703	0.50833353	0.90650187
Fen1	0.20163851	0.21800438	0.21870827	-0.0007039	0.50570776	0.90650187
Aknad1	0.00654673	0.00728979	0.00800073	-0.0007109	0.6535903	0.90650187
Nckipsd	0.05355939	0.06272282	0.06343462	-0.0007118	0.51989279	0.90650187
Gm9945	0.00655704	0.00729965	0.00801328	-0.0007136	0.65391247	0.90650187
0610025J13F	0.00471974	0.00506082	0.00577512	-0.0007143	0.7087905	0.90650187
Gm20707	0.01098767	0.01267142	0.01338772	-0.0007163	0.59400519	0.90650187
Cytl1	0.00714544	0.00801053	0.00872888	-0.0007183	0.64276217	0.90650187
Scube2	0.01697552	0.01988004	0.0206002	-0.0007202	0.5617523	0.90650187
Ttc21a	0.00456014	0.00485956	0.00558043	-0.0007209	0.7171113	0.90650187
Hao2	0.00440193	0.00466347	0.00538741	-0.0007239	0.72487264	0.90650187
Tmtc1	0.04091327	0.04813456	0.04886247	-0.0007279	0.52640145	0.90650187
Gm26826	0.0080916	0.00915041	0.00987838	-0.000728	0.62839758	0.90650187
C530044C16I	0.02524313	0.02973508	0.03046372	-0.0007286	0.54234011	0.90650187
Gm28154	0.00973065	0.01113371	0.0118662	-0.0007325	0.60811974	0.90650187
Gm9970	0.00383294	0.00395991	0.00469285	-0.0007329	0.7562618	0.90650187
Mb	0.00089528	0.0003647	0.00109833	-0.0007336	0.99850835	0.99857405
Fan1	0.03832841	0.04511741	0.04585385	-0.0007364	0.52846008	0.90650187
Emx1	0.00469191	0.00500464	0.00574117	-0.0007365	0.71577019	0.90650187
Clic5	0.00393545	0.00407997	0.00481802	-0.000738	0.7520636	0.90650187
Pcdhga9	0.01946319	0.02284034	0.02357959	-0.0007392	0.55542319	0.90650187
Tmc3	0.00987702	0.01130273	0.0120435	-0.0007408	0.60774238	0.90650187
Ccl17	0.00688067	0.00766449	0.00840693	-0.0007424	0.65269545	0.90650187
Gpha2	0.00739785	0.00829287	0.00903567	-0.0007428	0.64261622	0.90650187
Prokr1	0.01749253	0.02047672	0.02122021	-0.0007435	0.56188939	0.90650187
Ttc28	0.24861535	0.26208999	0.26283403	-0.000744	0.50502045	0.90650187
Serp2	0.0850035	0.09789575	0.09864022	-0.0007445	0.51338302	0.90650187
Necab1	0.00677319	0.00753022	0.00827622	-0.000746	0.65568441	0.90650187
Numb	0.13344929	0.14967497	0.15042333	-0.0007484	0.50882272	0.90650187

Gm11508	0.00380401	0.0039072	0.00465752	-0.0007503	0.7630608	0.90650187
Kcnv2	0.00724314	0.00809655	0.00884764	-0.0007511	0.64705865	0.90650187
Tm4sf20	0.01121794	0.01291285	0.01366616	-0.0007533	0.59679272	0.90650187
Cyp4x1	0.00459868	0.00486788	0.00562745	-0.0007596	0.72576384	0.90650187
Lrrc4c	0.00451648	0.0047622	0.00552717	-0.000765	0.73081641	0.90650187
Tmod4	0.00926043	0.01052849	0.01129637	-0.0007679	0.61874765	0.90650187
Acap1	0.0147435	0.01714901	0.01791849	-0.0007695	0.57570112	0.90650187
Fam229a	0.00463322	0.00489738	0.00566959	-0.0007722	0.72757778	0.90650187
Rhof	0.01664503	0.01942686	0.02020363	-0.0007768	0.56785657	0.90650187
Gm26669	0.00380642	0.00388271	0.00466046	-0.0007778	0.77092558	0.90650187
6330403A02	0.00445652	0.00467625	0.00545402	-0.0007778	0.73694786	0.90650187
Nt5e	0.02242993	0.02634141	0.02711975	-0.0007783	0.55076333	0.90650187
Mylk3	0.00428642	0.00446726	0.00524645	-0.0007792	0.74545166	0.90650187
Ccdc162	0.01675282	0.01955224	0.02033298	-0.0007807	0.56777097	0.90650187
Dnajc6	0.03076832	0.0362137	0.03699487	-0.0007812	0.53739427	0.90650187
Zfp563	0.03218973	0.03788558	0.03866729	-0.0007817	0.53580652	0.90650187
Tspan3	1.89763213	0.92618292	0.92696924	-0.0007863	0.50150442	0.90650187
Gm10605	0.00923601	0.01047972	0.01126676	-0.000787	0.62192878	0.90650187
Gm38250	0.00462855	0.00487537	0.00566389	-0.0007885	0.73201352	0.90650187
Sprn	0.01440489	0.016722	0.01751095	-0.000789	0.5793753	0.90650187
B3gat1	0.00162396	0.00119994	0.00199127	-0.0007913	0.96135893	0.97093994
Camkv	0.00674914	0.0074543	0.00824697	-0.0007927	0.66541923	0.90650187
Gm15893	0.00161797	0.00119111	0.00198394	-0.0007928	0.96217996	0.97133123
Mgat5b	0.00431062	0.0044813	0.00527599	-0.0007947	0.74844781	0.90650187
D930048N14	0.01119333	0.01284068	0.01363641	-0.0007957	0.6023424	0.90650187
Sel1l	0.54912951	0.49887192	0.4996686	-0.0007967	0.50282773	0.90650187
Kcnq5	0.00109633	0.00054689	0.00134479	-0.0007979	0.9958266	0.99633807
Myom1	0.00109633	0.00054689	0.00134479	-0.0007979	0.9958266	0.99633807
Foxn2	0.15259416	0.16933073	0.1701293	-0.0007986	0.50832421	0.90650187
Gabre	0.01923346	0.02250168	0.02330487	-0.0008032	0.56088569	0.90650187

Defb1	0.00426371	0.00441348	0.00521873	-0.0008053	0.75363086	0.90650187
Itln1	0.00402293	0.00411887	0.00492483	-0.000806	0.76655107	0.90650187
Slc38a3	0.01323036	0.01528989	0.0160959	-0.000806	0.5880827	0.90650187
Kcnn2	0.0105181	0.01201314	0.01281965	-0.0008065	0.61013938	0.90650187
Fosl2	0.10942571	0.12426689	0.12507406	-0.0008072	0.51144403	0.90650187
Fcor	0.09829783	0.11228894	0.11310021	-0.0008113	0.51271941	0.90650187
AK157302	0.01162935	0.01335043	0.01416343	-0.000813	0.6007092	0.90650187
Sptssb	0.00118754	0.00064166	0.00145658	-0.0008149	0.99356211	0.99493242
Deaf1	0.39912736	0.38949103	0.39030739	-0.0008164	0.50370944	0.90650187
Agmo	0.00119882	0.00065391	0.0014704	-0.0008165	0.99321731	0.99474162
A230060F14	0.00120837	0.00066437	0.0014821	-0.0008177	0.99291267	0.99467941
2210407C18I	0.00120837	0.00066437	0.0014821	-0.0008177	0.99291267	0.99467941
Abcg8	0.00120837	0.00066437	0.0014821	-0.0008177	0.99291267	0.99467941
Stxbp2	0.33576002	0.3382252	0.33904366	-0.0008185	0.50428129	0.90650187
Colec11	0.03779764	0.04441456	0.04523479	-0.0008202	0.5321242	0.90650187
Glyctk	0.00460617	0.00481622	0.00563659	-0.0008204	0.74119428	0.90650187
Gucy2c	0.01330631	0.01536556	0.01618748	-0.0008219	0.58929243	0.90650187
Gal3st3	0.0012506	0.00071162	0.00153385	-0.0008222	0.99141643	0.9936389
Gm9530	0.00713143	0.0078891	0.00871185	-0.0008227	0.66269881	0.90650187
D330045A20	0.00143354	0.00093504	0.00175801	-0.000823	0.98128803	0.98582773
Gm12932	0.00143354	0.00093504	0.00175801	-0.000823	0.98128803	0.98582773
Lamc3	0.0014265	0.00092588	0.00174939	-0.0008235	0.98181319	0.98622496
Cacng2	0.00131285	0.00078422	0.00161013	-0.0008259	0.98870662	0.99124979
Wdr63	0.00137741	0.00086325	0.00168924	-0.000826	0.98513879	0.98832462
1700026J14F	0.00715245	0.00790948	0.00873739	-0.0008279	0.66321074	0.90650187
Gm12207	0.01244614	0.01432144	0.01514984	-0.0008284	0.59603181	0.90650187
D7Ertd443e	0.0061888	0.00673118	0.00756515	-0.000834	0.68795981	0.90650187
Gm26767	0.0146998	0.01703006	0.0178659	-0.0008358	0.58237864	0.90650187
C1galt1	0.19301503	0.20951894	0.2103581	-0.0008392	0.5070747	0.90650187
Dnah7a	0.00614282	0.00666976	0.00750917	-0.0008394	0.69038722	0.90650187

C030034I22R	0.04331181	0.05080534	0.05164503	-0.0008397	0.52881072	0.90650187
Xpa	0.39405142	0.38548075	0.38632088	-0.0008401	0.50385685	0.90650187
Tatdn1	0.12152942	0.13708376	0.13793401	-0.0008503	0.5109311	0.90650187
Rd3	0.00675359	0.00740152	0.00825238	-0.0008509	0.67665423	0.90650187
Gm16867	0.0044071	0.00454148	0.00539372	-0.0008522	0.75879621	0.90650187
Noxred1	0.00443834	0.00457723	0.00543184	-0.0008546	0.75786181	0.90650187
Gm20635	0.00722394	0.00796612	0.0088243	-0.0008582	0.66725371	0.90650187
Tac2	0.00715608	0.00788287	0.00874181	-0.0008589	0.66887618	0.90650187
B230312C02	0.00717314	0.00790209	0.00876255	-0.0008605	0.66878072	0.90650187
Gm11744	0.01247937	0.01432774	0.01518995	-0.0008622	0.59961045	0.90650187
Krt222	0.00386239	0.00386642	0.00472881	-0.0008624	0.79124369	0.90660917
S100a7a	0.00948591	0.01070585	0.01156966	-0.0008638	0.63002329	0.90650187
Gm17039	0.00534067	0.00566339	0.00653215	-0.0008688	0.72282554	0.90650187
Setd7	0.14464421	0.16112752	0.16199866	-0.0008711	0.50953624	0.90650187
Prr16	0.00998847	0.01130687	0.01217848	-0.0008716	0.62482229	0.90650187
Gm16033	0.00371908	0.00368172	0.0045538	-0.0008721	0.80271611	0.90870476
Eif1ax	0.9359179	0.72129257	0.72217325	-0.0008807	0.50216278	0.90650187
Dchs2	0.01469982	0.01698218	0.01786592	-0.0008837	0.58702625	0.90650187
Bloc1s6	0.20213555	0.21830155	0.21918708	-0.0008855	0.50716484	0.90650187
Sycp3	0.00435426	0.00444103	0.00532924	-0.0008882	0.77063279	0.90650187
Nrbp2	0.08709704	0.10004541	0.10093371	-0.0008883	0.51560465	0.90650187
Adgrb2	0.04499242	0.05270114	0.05358948	-0.0008883	0.52937267	0.90650187
Fhod1	0.08492002	0.09765236	0.09854865	-0.0008963	0.51612564	0.90650187
Rnf167	0.54204502	0.49394988	0.4948465	-0.0008966	0.50321347	0.90650187
Gm26812	0.00445049	0.00454911	0.00544666	-0.0008975	0.76809379	0.90650187
Gabrb1	0.01675066	0.01942908	0.0203304	-0.0009013	0.57812093	0.90650187
Vdac3-ps1	0.03693041	0.04332005	0.04422237	-0.0009023	0.53613789	0.90650187
Gm37986	0.00428502	0.00433727	0.00524474	-0.0009075	0.77911381	0.90650187
Gm37584	0.0071828	0.00786329	0.00877429	-0.000911	0.67780453	0.90650187
Serpinf2	0.01719663	0.01995179	0.02086541	-0.0009136	0.57716964	0.90650187

Gm26889	0.0067371	0.00731493	0.00823232	-0.0009174	0.68984367	0.90650187
Glp2r	0.01224528	0.01398934	0.01490736	-0.000918	0.60786876	0.90650187
Igsf10	0.07858415	0.09064645	0.09156913	-0.0009227	0.5178648	0.90650187
Pip5k1b	0.10544099	0.11987618	0.12080075	-0.0009246	0.51357147	0.90650187
Adgrg4	0.01084617	0.01229154	0.01321657	-0.000925	0.62215658	0.90650187
Gm15698	0.00378803	0.00371243	0.004638	-0.0009256	0.81250853	0.9092537
Ror1	0.10931103	0.12402366	0.12495135	-0.0009277	0.51316498	0.90650187
Capn10	0.35140622	0.351081	0.35200955	-0.0009286	0.50467824	0.90650187
Mgst2	0.00643242	0.00693273	0.00786164	-0.0009289	0.70030633	0.90650187
Mex3a	0.23647362	0.25071412	0.25164383	-0.0009297	0.50655216	0.90650187
Gnmt	0.01072486	0.01213853	0.01306982	-0.0009313	0.6242911	0.90650187
Zbtb39	0.04472734	0.05235072	0.05328307	-0.0009324	0.53100231	0.90650187
Plekhg1	0.10781691	0.12241793	0.12335112	-0.0009332	0.51341496	0.90650187
Nlgn1	0.01791046	0.02078708	0.02172111	-0.000934	0.575802	0.90650187
Rab9	0.4756413	0.44711788	0.44805419	-0.0009363	0.50370615	0.90650187
Adcy1	0.02530541	0.02960069	0.03053761	-0.0009369	0.55424563	0.90650187
Kcnab3	0.02568004	0.03004458	0.03098194	-0.0009374	0.55349756	0.90650187
Prr22	0.00445558	0.00451332	0.00545288	-0.0009396	0.77816172	0.90650187
Prtg	0.02955416	0.03462339	0.03556377	-0.0009404	0.5467884	0.90650187
Nxf2	0.00620683	0.00664261	0.00758709	-0.0009445	0.710009	0.90650187
Ugt2b36	0.00445098	0.00450194	0.00544726	-0.0009453	0.77979334	0.90650187
Gm26760	0.00375488	0.00365098	0.00459751	-0.0009465	0.81997296	0.9092537
Tec	0.0549471	0.06407149	0.06501896	-0.0009475	0.52582653	0.90650187
Ccdc63	0.00496041	0.00512089	0.00606861	-0.0009477	0.75624153	0.90650187
Thoc2	0.90150711	0.70435247	0.70530127	-0.0009488	0.50238581	0.90650187
Il15ra	0.00713867	0.00776939	0.00872064	-0.0009513	0.68613685	0.90650187
Tmod1	0.06570671	0.0762521	0.07720599	-0.0009539	0.52190136	0.90650187
Gabra4	0.00922161	0.01029523	0.01124931	-0.0009541	0.64692911	0.90650187
Fgl1	0.02001666	0.02328654	0.0242411	-0.0009546	0.56948306	0.90650187
Ppargc1b	0.01747018	0.02023866	0.02119343	-0.0009548	0.57936712	0.90650187

Gm13075	0.0745389	0.08612624	0.08708297	-0.0009567	0.51947707	0.90650187
Pcdhga10	0.01476191	0.01698218	0.01794064	-0.0009585	0.59386619	0.90650187
Cntnap5a	0.01066924	0.01204284	0.01300252	-0.0009597	0.62858901	0.90650187
Lrrk2	0.03195741	0.03743103	0.03839416	-0.0009631	0.54439806	0.90650187
Grik1	0.01732812	0.02005416	0.02102309	-0.0009689	0.58117239	0.90650187
Creg2	0.00399543	0.00392127	0.00489126	-0.00097	0.81100592	0.9092537
Lypd6	0.01762728	0.02041016	0.02138174	-0.0009716	0.58004448	0.90650187
Gm17296	0.01110503	0.01255712	0.01352964	-0.0009725	0.62534643	0.90650187
Shisa9	0.00717587	0.00779313	0.00876587	-0.0009727	0.68910838	0.90650187
Mmp17	0.02557499	0.02988306	0.03085737	-0.0009743	0.55581539	0.90650187
Gm17249	0.01417359	0.01625358	0.01723246	-0.0009789	0.5996844	0.90650187
Col22a1	0.00706265	0.00764927	0.00862822	-0.0009789	0.69300749	0.90650187
Vstm2b	0.0093974	0.01048339	0.01146239	-0.000979	0.64791498	0.90650187
Gabbr1	0.24816271	0.26143768	0.26241957	-0.0009819	0.50663574	0.90650187
1700022111R	0.00430338	0.00428465	0.00526714	-0.0009825	0.79651842	0.9075779
Gm12905	0.00626474	0.00667452	0.00765758	-0.0009831	0.71590421	0.90650187
Arhgef11	0.08051493	0.09271822	0.09370209	-0.0009839	0.51861545	0.90650187
Fndc5	0.04236644	0.04956357	0.05054936	-0.0009858	0.53454358	0.90650187
Chaf1b	0.1077061	0.12224579	0.12323234	-0.0009866	0.51419528	0.90650187
Cntnap2	0.02647266	0.03093428	0.03192128	-0.000987	0.55466536	0.90650187
Kcnk10	0.00617599	0.00656171	0.00754955	-0.0009878	0.71961549	0.90650187
Slc44a4	0.00404509	0.00396185	0.00495187	-0.00099	0.81294649	0.9092537
Cabp7	0.02379189	0.02774923	0.02874024	-0.000991	0.56091588	0.90650187
Syn2	0.0639041	0.07418259	0.07517617	-0.0009936	0.52342671	0.90650187
Gm26981	0.01879003	0.02177888	0.02277435	-0.0009955	0.57703682	0.90650187
Apc2	0.00419194	0.00413534	0.00513114	-0.0009958	0.80586645	0.9092537
Lect1	0.01727301	0.01995586	0.02095702	-0.0010012	0.58409271	0.90650187
Agbl2	0.00434854	0.0043183	0.00532225	-0.001004	0.7991507	0.90777025
Vash1	0.01602051	0.01844876	0.01945376	-0.001005	0.59082348	0.90650187
Nrn1l	0.0069103	0.00743737	0.00844297	-0.0010056	0.70176767	0.90650187

Wdr55	0.10221581	0.11632161	0.11732743	-0.0010058	0.51520057	0.90650187
A230087F16	0.00710751	0.00767466	0.00868276	-0.0010081	0.69712502	0.90650187
Sdc3	0.18344633	0.19998828	0.20099863	-0.0010103	0.50891422	0.90650187
Kctd21	0.03244296	0.03795396	0.03896491	-0.001011	0.54591296	0.90650187
2810030D12	0.00436415	0.00432956	0.00534131	-0.0010117	0.8001293	0.90805731
Sil1	0.33707814	0.33912775	0.34014405	-0.0010163	0.50529893	0.90650187
Tet1	0.13970666	0.15589418	0.15691151	-0.0010173	0.51149708	0.90650187
Rab11fip5	0.07680996	0.0885838	0.08960445	-0.0010206	0.520193	0.90650187
Stag3	0.00432491	0.00427085	0.00529342	-0.0010226	0.8047728	0.90882608
Stab2	0.00413775	0.00404085	0.005065	-0.0010241	0.8156478	0.9092537
Tinag	0.00334279	0.0030697	0.00409409	-0.0010244	0.86700555	0.92056229
Tom6os	0.00435482	0.00430526	0.00532993	-0.0010247	0.80362911	0.90882608
Fam49a	0.03962878	0.04634232	0.0473687	-0.0010264	0.53836941	0.90650187
Gira1	0.00658198	0.00701586	0.00804362	-0.0010278	0.71499351	0.90650187
2210010C04	0.01002872	0.01119827	0.01222723	-0.001029	0.64583876	0.90650187
Hist1h1a	0.00843515	0.00926526	0.0102954	-0.0010301	0.67177499	0.90650187
Fgf9	0.09169901	0.10492303	0.10595358	-0.0010306	0.51724491	0.90650187
Dpyd	0.02011401	0.02332294	0.02435741	-0.0010345	0.57487757	0.90650187
8030474K03	0.00380199	0.00361805	0.00465506	-0.001037	0.83899725	0.91188312
Lbx2	0.003569	0.00333305	0.00437048	-0.0010374	0.85434788	0.91621818
3930402G23	0.01127471	0.01269706	0.0137348	-0.0010377	0.63152218	0.90650187
Gm26916	0.0043297	0.00426095	0.00529927	-0.0010383	0.80813837	0.9092537
Cdh6	0.00887304	0.00978619	0.01082664	-0.0010405	0.66539315	0.90650187
Cadps	0.27016713	0.28129749	0.2823394	-0.0010419	0.50654458	0.90650187
Gm14399	0.010508	0.01176384	0.01280742	-0.0010436	0.64141321	0.90650187
Hpx	0.00605904	0.00636263	0.00740718	-0.0010445	0.73464118	0.90650187
Rnf39	0.00930541	0.01030441	0.01135089	-0.0010465	0.65904487	0.90650187
Gm10638	0.0034408	0.00316555	0.00421385	-0.0010483	0.86562638	0.92040222
Gm26558	0.02388063	0.02779688	0.02884572	-0.0010488	0.56420711	0.90650187
Lnpep	0.05942888	0.06906591	0.07011616	-0.0010502	0.52654568	0.90650187

Kcnd3	0.01199492	0.01355141	0.01460504	-0.0010536	0.62578629	0.90650187
B230217O12	0.00662959	0.00704695	0.00810154	-0.0010546	0.718601	0.90650187
Anks4b	0.02125708	0.0246673	0.02572189	-0.0010546	0.57231437	0.90650187
Tprg	0.00686759	0.0073353	0.00839103	-0.0010557	0.71203281	0.90650187
Syt15	0.00582038	0.00605515	0.00711657	-0.0010614	0.74635145	0.90650187
4930578C19I	0.00328786	0.00296502	0.00402697	-0.001062	0.87947185	0.92556435
Pml	0.1160344	0.13105543	0.13211796	-0.0010625	0.51426029	0.90650187
Samd13	0.01970834	0.02280955	0.02387265	-0.0010631	0.57846678	0.90650187
Lca5	0.11998148	0.13523566	0.13629937	-0.0010637	0.51383823	0.90650187
Tcp11	0.24120765	0.25495987	0.25602425	-0.0010644	0.50737277	0.90650187
Ncan	0.00562745	0.00581499	0.00688157	-0.0010666	0.75459834	0.90650187
Gm27042	0.00652907	0.00690654	0.00797925	-0.0010727	0.7249656	0.90650187
Espn	0.04352394	0.05081576	0.05189071	-0.0010749	0.53668808	0.90650187
H2-Q6	0.02995505	0.0349591	0.03603654	-0.0010774	0.55287075	0.90650187
Add2	0.00881929	0.00968323	0.01076145	-0.0010782	0.67199157	0.90650187
Gm26652	0.00796905	0.00864984	0.00972957	-0.0010797	0.6891164	0.90650187
Pola2	0.12636231	0.14193733	0.14301867	-0.0010813	0.51340689	0.90650187
Gm10330	0.00352728	0.0032373	0.00431951	-0.0010822	0.86731871	0.92056229
Zkscan4	0.02208436	0.02562587	0.02670811	-0.0010822	0.57147881	0.90650187
Col20a1	0.00755185	0.0081383	0.00922281	-0.0010845	0.69942892	0.90650187
Zfp935	0.00637817	0.00670998	0.00779563	-0.0010856	0.73207871	0.90650187
Cav3	0.00424945	0.0041125	0.00520133	-0.0010888	0.82397681	0.90929265
Dusp9	0.01838599	0.02120102	0.02229068	-0.0010897	0.58602038	0.90650187
Gm17638	0.0094042	0.01037236	0.01147064	-0.0010983	0.66481988	0.90650187
Brinp2	0.01082824	0.01209215	0.01319489	-0.0011027	0.64487968	0.90650187
Pianp	0.15762394	0.17412947	0.17523527	-0.0011058	0.51119024	0.90650187
Calhm2	0.12349737	0.13890215	0.140008	-0.0011059	0.51400539	0.90650187
Slc35b3	0.16106862	0.17760709	0.17871549	-0.0011084	0.51099821	0.90650187
Pias1	0.3031905	0.31026232	0.3113738	-0.0011115	0.50633057	0.90650187
Drd4	0.00363331	0.00333702	0.00444903	-0.001112	0.86674899	0.92056229

ErbB4	0.00324938	0.00286678	0.00397995	-0.0011132	0.89314105	0.93181736
Gm44257	0.00614727	0.00639956	0.00751459	-0.001115	0.74525933	0.90650187
Casp4	0.01358676	0.01541014	0.01652552	-0.0011154	0.61793193	0.90650187
Crispld1	0.02344915	0.02721696	0.02833272	-0.0011158	0.56948778	0.90650187
E230001N04	0.08220127	0.09444488	0.09556068	-0.0011158	0.52069924	0.90650187
Rhbg	0.0107668	0.01200304	0.01312056	-0.0011175	0.64752495	0.90650187
A130051J06F	0.00395803	0.00372396	0.00484559	-0.0011216	0.84827028	0.91440801
Mctp1	0.00410783	0.00390643	0.00502847	-0.001122	0.83939557	0.91213511
4933406C10I	0.00677121	0.00715154	0.00827381	-0.0011223	0.7267488	0.90650187
Kif5a	0.01863706	0.02146777	0.02259126	-0.0011235	0.58748694	0.90650187
Lck	0.01741263	0.02000051	0.02112442	-0.0011239	0.59348777	0.90650187
Gm9830	0.00418985	0.00400419	0.00512858	-0.0011244	0.8351347	0.91066681
Hist1h4j	0.00411165	0.00390858	0.00503314	-0.0011246	0.83971358	0.91213511
Gm43597	0.0042161	0.00403575	0.00516062	-0.0011249	0.8337322	0.91062493
Padi1	0.00421059	0.00402655	0.00515391	-0.0011274	0.83457986	0.91062493
Il15	0.00509352	0.00510342	0.00623091	-0.0011275	0.78942706	0.90650187
Gm26753	0.00689089	0.00729056	0.00841937	-0.0011288	0.72442358	0.90650187
P2rx3	0.0054152	0.00549242	0.00662298	-0.0011306	0.77603564	0.90650187
Baiap2	0.19006362	0.20634845	0.20748175	-0.0011333	0.50968643	0.90650187
Lif	0.00651373	0.00682669	0.00796059	-0.0011339	0.73670712	0.90650187
Doc2b	0.02261807	0.02620962	0.02734378	-0.0011342	0.57314782	0.90650187
Myrip	0.00519977	0.00522612	0.00636042	-0.0011343	0.78605765	0.90650187
Ube2v1	0.20874794	0.22439682	0.22553225	-0.0011354	0.50892803	0.90650187
Gm42504	0.00593087	0.00611493	0.00725112	-0.0011362	0.75697083	0.90650187
Defb42	0.00360528	0.00327553	0.00441479	-0.0011393	0.87435403	0.9235672
Car11	0.0867378	0.09939985	0.1005406	-0.0011408	0.52011436	0.90650187
Tigd5	0.01159503	0.01297985	0.01412195	-0.0011421	0.64040199	0.90650187
Gm10501	0.00625945	0.00650847	0.00765113	-0.0011427	0.74663343	0.90650187
Gm29394	0.02171504	0.02512483	0.02626798	-0.0011432	0.57670351	0.90650187
Trpc7	0.00404088	0.00380124	0.00494674	-0.0011455	0.84836611	0.91440801

Zfp72	0.00912386	0.00998498	0.0111308	-0.0011458	0.67639374	0.90650187
Bcap31	1.16204643	0.80928985	0.81043625	-0.0011464	0.50250875	0.90650187
Cep128	0.01303179	0.01470658	0.01585645	-0.0011499	0.62641928	0.90650187
Al838599	0.01844198	0.0212068	0.02235772	-0.0011509	0.59050685	0.90650187
RP23-106P7.	0.00577277	0.00590765	0.00705859	-0.0011509	0.76573597	0.90650187
Gal3st4	0.0058189	0.00596119	0.00711477	-0.0011536	0.76448447	0.90650187
C1qtnf3	0.01437972	0.01632519	0.01748065	-0.0011555	0.61556427	0.90650187
8030443G20	0.00609311	0.00629304	0.00744865	-0.0011556	0.75481104	0.90650187
Gm29502	0.00946832	0.01039271	0.01154834	-0.0011556	0.67179234	0.90650187
Wdr66	0.01562253	0.01781891	0.01897557	-0.0011567	0.60679835	0.90650187
Gm26751	0.00332553	0.00291351	0.00407301	-0.0011595	0.89716555	0.93404279
Gm5741	0.00590349	0.00605772	0.00721777	-0.0011601	0.76254296	0.90650187
Gm28041	0.0064904	0.00676741	0.0079322	-0.0011648	0.74306004	0.90650187
Arhgap27	0.04358921	0.05080133	0.05196628	-0.0011649	0.53969242	0.90650187
Ecm1	0.05755037	0.06681733	0.06798334	-0.001166	0.53038929	0.90650187
Gart	0.5278668	0.48392992	0.48509851	-0.0011686	0.50427234	0.90650187
1700109H08	0.01210739	0.01357109	0.01474087	-0.0011698	0.63787601	0.90650187
Apobec2	0.00675136	0.00707801	0.00824966	-0.0011716	0.73610472	0.90650187
Mmel1	0.00413193	0.00388349	0.00505788	-0.0011744	0.84901721	0.91444933
Milr1	0.00685842	0.00720476	0.00837987	-0.0011751	0.73349194	0.90650187
Gm13306	0.00390788	0.00360786	0.00478435	-0.0011765	0.86284508	0.91950555
Rtp3	0.00693666	0.00729543	0.00847502	-0.0011796	0.73196325	0.90650187
Tmem213	0.00667656	0.00697817	0.00815868	-0.0011805	0.73997061	0.90650187
Pitpnm3	0.00658005	0.00686073	0.00804127	-0.0011805	0.74301378	0.90650187
Gm2237	0.01307531	0.01472794	0.01590894	-0.001181	0.62930663	0.90650187
Zfp868	0.11180033	0.12643024	0.12761127	-0.001181	0.51640936	0.90650187
Lrsam1	0.04960072	0.05771622	0.05889912	-0.0011829	0.53557163	0.90650187
6820408C15I	0.00412302	0.00386395	0.00504701	-0.0011831	0.85131523	0.9150732
Fcgbp	0.00411597	0.00385385	0.00503841	-0.0011846	0.85203148	0.91551074
Strip2	0.00352863	0.00313657	0.00432116	-0.0011846	0.8885209	0.93012921

Kcne2	0.00342101	0.00300392	0.00418967	-0.0011858	0.89583775	0.93322571
Lad1	0.01388035	0.01569306	0.01687927	-0.0011862	0.62263982	0.90650187
BC048403	0.01147357	0.01278615	0.01397516	-0.001189	0.64737169	0.90650187
Gm26614	0.00328824	0.00283709	0.00402743	-0.0011903	0.90556652	0.93732239
Cd2	0.00939363	0.01026626	0.01145782	-0.0011916	0.67807557	0.90650187
Gm29107	0.00349213	0.00308442	0.00427656	-0.0011921	0.89237648	0.93159913
Grik3	0.02082765	0.02401735	0.02520953	-0.0011922	0.58325844	0.90650187
Orc1	0.0244975	0.02838297	0.02957864	-0.0011957	0.57130857	0.90650187
Gm26527	0.00576821	0.00585531	0.00705302	-0.0011977	0.77485571	0.90650187
Al839979	0.00409964	0.0038198	0.00501847	-0.0011987	0.85584573	0.9165432
Zfhx2os	0.00409726	0.00381604	0.00501556	-0.0011995	0.85615641	0.9165432
Capn12	0.00682913	0.00714273	0.00834426	-0.0012015	0.73896139	0.90650187
8030462N17	0.01193464	0.01332761	0.01453224	-0.0012046	0.64375473	0.90650187
Pde6h	0.00925171	0.01007743	0.0112858	-0.0012084	0.68295985	0.90650187
D930032P07	0.00338877	0.0029392	0.00415028	-0.0012111	0.90272905	0.93635703
Hist1h3f	0.00528114	0.00524603	0.0064596	-0.0012136	0.79819808	0.9075779
Slmo1	0.00873753	0.00944745	0.01066228	-0.0012148	0.69375474	0.90650187
H2-DMa	0.05318457	0.06178855	0.0630062	-0.0012177	0.5342332	0.90650187
Prr33	0.01129935	0.01254632	0.01376458	-0.0012183	0.65301211	0.90650187
Grifin	0.00385189	0.00349684	0.00471599	-0.0012192	0.87477396	0.92388237
Bcas3os1	0.00610312	0.00623921	0.00746085	-0.0012216	0.76666869	0.90650187
Cbln3	0.00675902	0.00703701	0.00825899	-0.001222	0.74465375	0.90650187
Lcat	0.01626561	0.01852412	0.01974813	-0.001224	0.60855016	0.90650187
BC024139	0.00404976	0.00373203	0.00495759	-0.0012256	0.86411423	0.92013888
Dock4	0.00323437	0.00273172	0.0039616	-0.0012299	0.91622798	0.94231902
Gm38393	0.00618103	0.00632153	0.00755568	-0.0012342	0.7661274	0.90650187
Myo7b	0.01678367	0.01913451	0.02037001	-0.0012355	0.60628037	0.90650187
Icam5	0.00308464	0.00254172	0.00377859	-0.0012369	0.92719458	0.94840756
Itga11	0.00905916	0.00981121	0.01105236	-0.0012411	0.69119053	0.90650187
Lzts3	0.0114057	0.01265086	0.01389314	-0.0012423	0.65450484	0.90650187

Ptprj	0.12027979	0.13537219	0.13661461	-0.0012424	0.51612477	0.90650187
Far2	0.01304759	0.01463228	0.0158755	-0.0012432	0.63613228	0.90650187
Zfp759	0.01932305	0.02216862	0.02341201	-0.0012434	0.59332333	0.90650187
Gm43714	0.00683449	0.00710667	0.00835077	-0.0012441	0.74611324	0.90650187
Slc39a4	0.01170411	0.0130075	0.01425375	-0.0012463	0.65124894	0.90650187
Tekt5	0.00873177	0.00940793	0.0106553	-0.0012474	0.69861613	0.90650187
Slc38a7	0.05289038	0.06142037	0.06266978	-0.0012494	0.53531179	0.90650187
Kctd7	0.04133663	0.04810376	0.04935425	-0.0012505	0.54484137	0.90650187
Adam4	0.00401801	0.00366749	0.00491882	-0.0012513	0.87096189	0.92222706
Gm42556	0.01154463	0.01280499	0.01406105	-0.0012561	0.65436043	0.90650187
Gm16701.1	0.00395025	0.00357978	0.00483609	-0.0012563	0.87592867	0.92433126
Srpk3	0.00662607	0.00684087	0.00809726	-0.0012564	0.75483824	0.90650187
5530401A14	0.00607336	0.00616595	0.00742461	-0.0012587	0.77446758	0.90650187
Lor	0.00394337	0.00356873	0.00482769	-0.001259	0.87683628	0.92473192
Sv2b	0.01712457	0.01951992	0.02077898	-0.0012591	0.60617876	0.90650187
Nr1i2	0.00524074	0.00514937	0.00641036	-0.001261	0.80907665	0.9092537
Apoa1	0.00395408	0.00357727	0.00484076	-0.0012635	0.87704823	0.9247416
Fut4	0.02068612	0.0237761	0.0250406	-0.0012645	0.58881372	0.90650187
Spag9	0.47365671	0.44534541	0.44661011	-0.0012647	0.5050221	0.90650187
Krt81	0.00682354	0.00707111	0.00833746	-0.0012663	0.75023464	0.90650187
Adamts17	0.05433605	0.06305406	0.06432169	-0.0012676	0.53490778	0.90650187
Sstr3	0.09364915	0.10680385	0.10807189	-0.001268	0.52080007	0.90650187
Xk	0.0394501	0.04589096	0.0471607	-0.0012697	0.54763661	0.90650187
Akr1c14	0.01008504	0.01102517	0.01229542	-0.0012702	0.67698266	0.90650187
Kbtbd8	0.02364687	0.02729696	0.02856784	-0.0012709	0.57838744	0.90650187
Ypel2	0.27511906	0.28548607	0.28675797	-0.0012719	0.50786598	0.90650187
Cpa6	0.00397535	0.00359469	0.00486673	-0.001272	0.87737536	0.92482217
Synpo2l	0.00580089	0.00582066	0.00709282	-0.0012722	0.78737958	0.90650187
Gm4319	0.00913168	0.00986808	0.01114028	-0.0012722	0.69416082	0.90650187
Pcdh8	0.03361472	0.03906705	0.04034076	-0.0012737	0.55581395	0.90650187

Gm13594	0.01043664	0.01144644	0.01272106	-0.0012746	0.67199911	0.90650187
3110021N24	0.02373832	0.02740131	0.02867656	-0.0012753	0.57835932	0.90650187
Shroom2	0.08473658	0.09707137	0.09834737	-0.001276	0.52299782	0.90650187
Gm14434	0.00573545	0.00573676	0.00701312	-0.0012764	0.79076617	0.90650187
Dydc2	0.00357117	0.00309618	0.00437312	-0.0012769	0.90287503	0.93635703
Slc34a2	0.00344188	0.00293778	0.00421517	-0.0012774	0.91104712	0.94011454
Gm15917	0.00954313	0.01035946	0.011639	-0.0012795	0.68748333	0.90650187
Fzd7	0.05325878	0.06180973	0.06309105	-0.0012813	0.53597006	0.90650187
Zkscan16	0.00659466	0.00677745	0.00805904	-0.0012816	0.76020561	0.90650187
Steap3	0.02169741	0.02496403	0.02624696	-0.0012829	0.58601148	0.90650187
Gm15892	0.00395808	0.00356099	0.00484565	-0.0012847	0.88072114	0.92622922
Zfp82	0.00671338	0.00691668	0.00820347	-0.0012868	0.75720312	0.90650187
Krtap16-1	0.00617088	0.00625561	0.00754333	-0.0012877	0.77604623	0.90650187
Pms1	0.04473931	0.05200792	0.0532969	-0.001289	0.54281036	0.90650187
1700055D18	0.02102827	0.02415716	0.02544893	-0.0012918	0.58926491	0.90650187
Zfp54	0.05301269	0.06151378	0.06280966	-0.0012959	0.53654042	0.90650187
Ncapg2	0.07327735	0.08438211	0.08567911	-0.001297	0.52682732	0.90650187
Polr1b	0.07818266	0.08982604	0.09112493	-0.0012989	0.52526295	0.90650187
Mfsd7c	0.01414499	0.01589907	0.01719802	-0.0012989	0.63147872	0.90650187
Tub	0.00315166	0.00256101	0.00386051	-0.0012995	0.9327326	0.95188026
Gm12519	0.00586257	0.00586837	0.00716795	-0.0012996	0.78988086	0.90650187
Rbm20	0.00339105	0.00285163	0.00415307	-0.0013014	0.9182078	0.94321373
Prkg1	0.01844237	0.02105565	0.02235819	-0.0013025	0.60217903	0.90650187
Bcat2	0.20340394	0.21910272	0.22040777	-0.001305	0.51050002	0.90650187
Lamb3	0.01159333	0.01281252	0.0141199	-0.0013074	0.65969311	0.90650187
Slc39a2	0.00845982	0.0090164	0.01032533	-0.0013089	0.71347496	0.90650187
Gm29019	0.00390613	0.0034728	0.00478222	-0.0013094	0.88824533	0.92996882
Npepps	0.78122807	0.64062857	0.64193803	-0.0013095	0.50361774	0.90650187
Slc2a4	0.01864322	0.0212884	0.02259864	-0.0013102	0.60169984	0.90650187
Mab21l1	0.01075729	0.01179603	0.01310906	-0.001313	0.67194092	0.90650187

Camkmt	0.0182273	0.02078755	0.02210065	-0.0013131	0.60416133	0.90650187
Fbxo25	0.16978787	0.18615055	0.18746487	-0.0013143	0.5124323	0.90650187
Agpat1	0.31604817	0.32109473	0.32240924	-0.0013145	0.50723054	0.90650187
Cdh22	0.02255385	0.02595158	0.02726732	-0.0013157	0.58492748	0.90650187
Pnpla7	0.05727512	0.06635427	0.0676704	-0.0013161	0.53445086	0.90650187
Sec14l4	0.01044331	0.01141111	0.01272913	-0.001318	0.67735532	0.90650187
Rbm11	0.00939246	0.01013824	0.0114564	-0.0013182	0.6955018	0.90650187
Pld2	0.07128704	0.08214005	0.0834596	-0.0013195	0.52801771	0.90650187
Gsg2	0.04146477	0.04818202	0.04950306	-0.001321	0.54721779	0.90650187
Slc6a9	0.02637822	0.03048638	0.03180941	-0.001323	0.57334793	0.90650187
Nos1ap	0.05344394	0.0619783	0.06330269	-0.0013244	0.53705161	0.90650187
Npw	0.00649361	0.00661077	0.0079361	-0.0013253	0.77108339	0.90650187
Plk5	0.00387975	0.00342391	0.00475001	-0.0013261	0.89271869	0.93179124
Nmnat2	0.00555791	0.00546991	0.00679685	-0.0013269	0.80727885	0.9092537
Slc13a4	0.00784194	0.00824825	0.00957521	-0.001327	0.73108018	0.90650187
Ttc34	0.00672085	0.00688441	0.00821256	-0.0013281	0.76391373	0.90650187
Greb1l	0.02647912	0.03060076	0.03192893	-0.0013282	0.57335709	0.90650187
Trp53cor1	0.0391872	0.04552495	0.04685458	-0.0013296	0.55019597	0.90650187
Lrrc36	0.0037347	0.0032432	0.00457287	-0.0013297	0.90193684	0.93591959
Gpr21	0.01083857	0.01187694	0.01320738	-0.0013304	0.6728606	0.90650187
Stk39	0.1243168	0.13953933	0.1408702	-0.0013309	0.51675053	0.90650187
Slc35f4	0.00670942	0.00686727	0.00819866	-0.0013314	0.76482962	0.90650187
Gm26789	0.00388021	0.0034186	0.00475057	-0.001332	0.89370306	0.93189602
Fgf2	0.03298773	0.03827099	0.03960483	-0.0013338	0.55950816	0.90650187
Lrrc2	0.00375446	0.00326106	0.004597	-0.0013359	0.90181146	0.93591959
Gm26734	0.01499896	0.01688885	0.01822582	-0.001337	0.62782947	0.90650187
Fam134b	0.12844416	0.14386249	0.14520009	-0.0013376	0.51633347	0.90650187
Gm16279	0.00594306	0.00592787	0.00726597	-0.0013381	0.79352133	0.90731056
Nrsn2	0.00894768	0.00957847	0.01091717	-0.0013387	0.70716968	0.90650187
Nuak1	0.08081986	0.0926992	0.09403847	-0.0013393	0.52524138	0.90650187

Lama1	0.00888582	0.00950245	0.01084215	-0.0013397	0.70860687	0.90650187
Gm17102	0.00669079	0.00683417	0.00817599	-0.0013418	0.76718253	0.90650187
Gli3	0.06073321	0.07024837	0.07159398	-0.0013456	0.53329498	0.90650187
Prr29	0.00676455	0.00691825	0.00826571	-0.0013475	0.76568562	0.90650187
Ooep	0.01130391	0.01242213	0.01377009	-0.001348	0.6682856	0.90650187
Ccer2	0.00837306	0.00886936	0.01022004	-0.0013507	0.72157627	0.90650187
RP23-231J2.	0.00357953	0.00303219	0.00438334	-0.0013512	0.91471107	0.94165806
4933424G06	0.00357476	0.00302605	0.00437752	-0.0013515	0.91504456	0.94181003
Gm7932	0.00564645	0.00554931	0.00690471	-0.0013554	0.80858114	0.9092537
Ttl11	0.01252958	0.01389309	0.01525055	-0.0013575	0.65383868	0.90650187
2810425M01	0.00721024	0.00744919	0.00880764	-0.0013585	0.75354017	0.90650187
B3galt5	0.00342547	0.00283434	0.00419512	-0.0013608	0.92535301	0.94735258
9430037G07	0.00653928	0.00663	0.00799167	-0.0013617	0.77561451	0.90650187
Oacyl	0.00650944	0.00659291	0.00795536	-0.0013624	0.77677982	0.90650187
Asprv1	0.00364747	0.00310359	0.00446633	-0.0013627	0.91251636	0.9407366
Prps1l3	0.0521736	0.06048483	0.06184959	-0.0013648	0.53907181	0.90650187
Taf4b	0.00379361	0.00327741	0.00464482	-0.0013674	0.90469244	0.93703811
Wisp3	0.00380725	0.00329362	0.00466148	-0.0013679	0.90397162	0.93662822
A430106G13	0.00633668	0.00637584	0.00774514	-0.0013693	0.78405406	0.90650187
RP24-143K11	0.00378963	0.00326958	0.00463995	-0.0013704	0.90540483	0.93721885
C030034L19F	0.00580832	0.00573026	0.00710187	-0.0013716	0.80471898	0.90882608
Bzrap1	0.00380309	0.0032837	0.0046564	-0.0013727	0.90499645	0.93712658
Grin1	0.00350804	0.00292288	0.004296	-0.0013731	0.92233329	0.94557609
Gm28800	0.00352833	0.00294669	0.0043208	-0.0013741	0.92128886	0.94542037
Adam8	0.00934469	0.01002414	0.0113985	-0.0013744	0.7040294	0.90650187
Fbxo41	0.00344673	0.00284608	0.00422109	-0.001375	0.92621176	0.94759147
Ugt2b35	0.00887583	0.00945364	0.01083003	-0.0013764	0.71396075	0.90650187
Gm16712	0.00588967	0.00582262	0.00720095	-0.0013783	0.80259627	0.90870445
Ras110a	0.01709912	0.0193691	0.02074846	-0.0013794	0.61621096	0.90650187
Bbs4	0.16784489	0.18414275	0.18552255	-0.0013798	0.51318812	0.90650187

Eda2r	0.01705435	0.01931292	0.02069476	-0.0013818	0.61670728	0.90650187
9030612E09I	0.01232173	0.01361623	0.01499966	-0.0013834	0.65910563	0.90650187
Gm42903	0.00333738	0.00270327	0.00408749	-0.0013842	0.93390155	0.95257582
Coprs	0.30773619	0.31390726	0.31529192	-0.0013847	0.50778834	0.90650187
Nell2	0.01261343	0.01396624	0.01535174	-0.0013855	0.6558697	0.90650187
Gm572	0.01466275	0.01643555	0.01782131	-0.0013858	0.63521055	0.90650187
Lrrc7	0.00656868	0.00664051	0.00802744	-0.0013869	0.77878116	0.90650187
Ackr1	0.00852495	0.00901734	0.01040437	-0.001387	0.72329264	0.90650187
Dnah2os	0.00350928	0.00291002	0.00429752	-0.0013875	0.92440088	0.94682419
D5Ertd605e	0.01051688	0.01143052	0.01281817	-0.0013876	0.68483569	0.90650187
Cd109	0.01211961	0.01336598	0.01475562	-0.0013896	0.66227335	0.90650187
Gm12689	0.00371581	0.0031566	0.0045498	-0.0013932	0.91328945	0.94082155
Gm26660	0.00323468	0.00256817	0.00396198	-0.0013938	0.94108485	0.95726919
Plek2	0.04619099	0.0535775	0.05497356	-0.0013961	0.54494394	0.90650187
Vmn1r90	0.00608269	0.00603752	0.00743597	-0.0013985	0.7984418	0.90770671
Gm29417	0.00338338	0.00274323	0.0041437	-0.0014005	0.93351622	0.95231059
Ccdc65	0.00941725	0.01008449	0.01148644	-0.001402	0.70629742	0.90650187
RP23-36D15.	0.00362633	0.00303769	0.0044405	-0.0014028	0.91990333	0.94435798
Tlx1	0.00859214	0.00908233	0.0104859	-0.0014036	0.72409684	0.90650187
Pxn	0.23990809	0.25341957	0.25482397	-0.0014044	0.50977344	0.90650187
Cct6b	0.00606064	0.00600344	0.00740912	-0.0014057	0.80050718	0.90806412
Gm3636	0.0037356	0.0031678	0.00457397	-0.0014062	0.91414255	0.9413278
Cfap53	0.0060812	0.00602706	0.00743416	-0.0014071	0.79994987	0.90805731
1700034H15I	0.0028202	0.00204716	0.00345528	-0.0014081	0.96498418	0.97343716
Gm27000	0.00662624	0.0066893	0.00809746	-0.0014082	0.78026746	0.90650187
Naip5	0.00620269	0.00616841	0.00758205	-0.0014136	0.79640964	0.9075779
Ccdc82	0.10655813	0.12058598	0.12200079	-0.0014148	0.5205582	0.90650187
Atp8b3	0.0048637	0.00453461	0.0059507	-0.0014161	0.85495346	0.91627438
Kif6	0.00338536	0.00272912	0.00414611	-0.001417	0.93566257	0.9537321
Il17d	0.01988471	0.0226664	0.02408344	-0.001417	0.60317517	0.90650187

Mep1a	0.00620132	0.00616228	0.00758038	-0.0014181	0.79719913	0.9075779
Crb2	0.01359297	0.0151132	0.01653301	-0.0014198	0.64868575	0.90650187
Ephx1	0.08601877	0.09833057	0.09975323	-0.0014227	0.52527694	0.90650187
Pygm	0.04444096	0.05152868	0.05295192	-0.0014232	0.54755598	0.90650187
Gm16222	0.00348093	0.00283854	0.00426289	-0.0014243	0.93128098	0.95113723
Pcdhb4	0.00863769	0.00911505	0.01054116	-0.0014261	0.72622745	0.90650187
Gucy1a2	0.01348222	0.01497245	0.01639953	-0.0014271	0.65056759	0.90650187
Gm26690	0.00620328	0.00615467	0.00758276	-0.0014281	0.79877712	0.90777025
Gm13420	0.01610852	0.01812859	0.01955948	-0.0014309	0.62749295	0.90650187
RP23-58K20.	0.00652846	0.00654752	0.0079785	-0.001431	0.78737387	0.90650187
Cisd3	0.41493894	0.40116448	0.40259831	-0.0014338	0.50631607	0.90650187
Tmem88b	0.01453167	0.01622758	0.01766356	-0.001436	0.64110325	0.90650187
1700018L02F	0.01601536	0.01801023	0.01944757	-0.0014373	0.62875862	0.90650187
Slc6a2	0.00307489	0.0023283	0.00376667	-0.0014384	0.955211	0.96646449
Cdkl3	0.05376412	0.0622298	0.06366855	-0.0014387	0.54001005	0.90650187
Pcolce2	0.01048664	0.01134137	0.01278157	-0.0014402	0.69178697	0.90650187
Acaa1b	0.00661686	0.00664309	0.00808605	-0.001443	0.78620406	0.90650187
Asic1	0.00330038	0.00259756	0.00404226	-0.0014447	0.94395439	0.95903292
Chad	0.00635026	0.00630926	0.00776167	-0.0014524	0.79726318	0.9075779
Pla2g3	0.00600538	0.00588923	0.00734184	-0.0014526	0.81045673	0.9092537
Abcc1	0.07628639	0.0875691	0.08902381	-0.0014547	0.52895542	0.90650187
Ermap	0.00663302	0.00665084	0.00810571	-0.0014549	0.78754476	0.90650187
Gnb3	0.02609247	0.03001424	0.03147084	-0.0014566	0.58151139	0.90650187
Ddx60	0.00360525	0.0029557	0.00441476	-0.0014591	0.92911785	0.94996709
Tmc7	0.00289587	0.0020883	0.00354781	-0.0014595	0.96628842	0.97444265
Cdh24	0.01176478	0.01286326	0.01432705	-0.0014638	0.67515929	0.90650187
Steap1	0.09946481	0.11289149	0.1143578	-0.0014663	0.52272828	0.90650187
Gm17087	0.00579215	0.00561482	0.00708218	-0.0014674	0.8214969	0.9092537
Fbxo30	0.13615198	0.15176154	0.15323139	-0.0014699	0.51700731	0.90650187
Gm26513	0.00642335	0.00637903	0.00785061	-0.0014716	0.79766801	0.9075779

Gm9913	0.00557594	0.00534721	0.00681882	-0.0014716	0.83132961	0.9098597
RP23-378L12	0.00316443	0.00240438	0.00387611	-0.0014717	0.95429063	0.96585471
Cfap74	0.00812476	0.00844478	0.00991864	-0.0014739	0.7455635	0.90650187
Fkbp6	0.0032895	0.00255495	0.00402897	-0.001474	0.94807317	0.96173909
Il34	0.0162583	0.01826432	0.01973936	-0.001475	0.63013153	0.90650187
Pmel	0.00328739	0.00255118	0.0040264	-0.0014752	0.94832404	0.96189773
Zfp820	0.08902565	0.10156468	0.10304106	-0.0014764	0.52539427	0.90650187
Muc20	0.00643613	0.00638901	0.00786615	-0.0014771	0.79809025	0.9075779
Psg16	0.00324487	0.00249594	0.00397443	-0.0014785	0.95091231	0.96348599
Rnf180	0.00606643	0.00593619	0.00741617	-0.00148	0.81250581	0.9092537
Fstl4	0.00653489	0.00650599	0.00798632	-0.0014803	0.79503827	0.90731056
Gpatch3	0.0468648	0.05426997	0.0557507	-0.0014807	0.54699569	0.90650187
Acan	0.00636376	0.00629715	0.00777809	-0.0014809	0.80134537	0.90823524
Sspo	0.00279386	0.001942	0.00342307	-0.0014811	0.97279127	0.97935527
4930515G01	0.01034211	0.01112507	0.01260664	-0.0014816	0.6993246	0.90650187
Shoc2	0.74658501	0.62098743	0.62246962	-0.0014822	0.50422299	0.90650187
Dlx1	0.00919093	0.00972894	0.01121212	-0.0014832	0.72176061	0.90650187
Dusp27	0.00272809	0.0018567	0.00334264	-0.0014859	0.97593662	0.98135957
Rbm41	0.03995414	0.04625979	0.0477473	-0.0014875	0.55507633	0.90650187
Areg	0.00549592	0.00523253	0.00672132	-0.0014888	0.83761703	0.91121886
Sntb1	0.0138903	0.01539792	0.01689126	-0.0014933	0.65285208	0.90650187
Ccsap	0.03623723	0.04191856	0.04341229	-0.0014937	0.56078667	0.90650187
Moxd1	0.00485945	0.00445132	0.00594551	-0.0014942	0.86805537	0.9208814
Pgc	0.00640367	0.00632965	0.00782666	-0.001497	0.80242379	0.90870058
Slc6a8	0.0754764	0.08662711	0.08812474	-0.0014976	0.53011168	0.90650187
Nek11	0.00558948	0.00533355	0.00683532	-0.0015018	0.83564832	0.91078297
Gm9916	0.00333847	0.00258592	0.00408881	-0.0015029	0.94887397	0.96195723
B230334C09	0.00333847	0.00258592	0.00408881	-0.0015029	0.94887397	0.96195723
Lax1	0.00294651	0.00210569	0.00360972	-0.001504	0.96800996	0.97564776
Sox6os	0.00482282	0.00439289	0.00590084	-0.0015079	0.87203555	0.92254675

Caly	0.01116796	0.01209761	0.01360573	-0.0015081	0.68891355	0.90650187
Rgs8	0.00568974	0.00544675	0.00695745	-0.0015107	0.83280057	0.91035535
Pfkfb1	0.0146734	0.01632284	0.01783413	-0.0015113	0.64681156	0.90650187
Gm5577	0.02559708	0.02937215	0.03088357	-0.0015114	0.58611576	0.90650187
Slc30a4	0.11256301	0.12691284	0.12842468	-0.0015118	0.52086895	0.90650187
Cyp4f17	0.0033195	0.00255305	0.00406563	-0.0015126	0.95093073	0.96348599
Ttc30a2	0.00615432	0.00600993	0.00752317	-0.0015132	0.81439442	0.9092537
Plcg1	0.12253792	0.13748265	0.13899745	-0.0015148	0.51932043	0.90650187
Gm10767	0.01604514	0.01796677	0.01948335	-0.0015166	0.63534537	0.90650187
5031425F14I	0.00655693	0.00649434	0.00801314	-0.0015188	0.80027753	0.90806412
Rab38	0.01258511	0.0137985	0.01531757	-0.0015191	0.67034878	0.90650187
Gm5087	0.00929929	0.00982288	0.01134348	-0.0015206	0.72439055	0.90650187
Wdr49	0.0090375	0.00950537	0.01102609	-0.0015207	0.73010792	0.90650187
Mei4	0.00291861	0.0020538	0.00357561	-0.0015218	0.97076053	0.97777172
A830082K12I	0.01730369	0.01946933	0.02099379	-0.0015245	0.62658363	0.90650187
Slc22a15	0.08749629	0.09984562	0.10137038	-0.0015248	0.52665684	0.90650187
Gab3	0.03713853	0.0429406	0.04446543	-0.0015248	0.56058429	0.90650187
Aass	0.00497291	0.00455872	0.00608386	-0.0015251	0.86745681	0.92056229
Xkr4	0.00890799	0.00934048	0.01086903	-0.0015285	0.73408034	0.90650187
Nlrc3	0.01358733	0.01499704	0.01652621	-0.0015292	0.65959236	0.90650187
Tekt1	0.00932523	0.0098447	0.01137492	-0.0015302	0.72509599	0.90650187
Natd1	0.08094721	0.09264869	0.09417891	-0.0015302	0.52879147	0.90650187
Kcnc1	0.0063321	0.0062087	0.00773956	-0.0015309	0.810389	0.9092537
Cpne4	0.0019887	0.00090672	0.00243791	-0.0015312	0.99738229	0.99757917
Nr1h3	0.03057653	0.03523689	0.03676896	-0.0015321	0.57347852	0.90650187
Elf5	0.01317399	0.01449358	0.01602793	-0.0015343	0.66479167	0.90650187
Gm16118	0.00527517	0.00491582	0.00645232	-0.0015365	0.85511775	0.91636552
Zar1l	0.00198784	0.000897	0.00243686	-0.0015399	0.99751676	0.99764802
Mettl5os	0.01599461	0.01788201	0.01942266	-0.0015406	0.63781911	0.90650187
Gm15821	0.00319204	0.00236907	0.00390986	-0.0015408	0.96010568	0.9701425

Hapln3	0.00645489	0.00634513	0.00788898	-0.0015439	0.80784863	0.9092537
Apol7d	0.00907088	0.0095225	0.01106657	-0.0015441	0.73246198	0.90650187
Necab3	0.00327895	0.00247106	0.00401608	-0.001545	0.95639169	0.96707976
Gckr	0.00310883	0.00226258	0.00380816	-0.0015456	0.9644072	0.97298426
Hrasls	0.00586955	0.00562989	0.00717645	-0.0015466	0.83098086	0.9098597
Klf1	0.00314751	0.00230817	0.00385544	-0.0015473	0.96279718	0.97181141
S100a3	0.00650991	0.00640844	0.00795594	-0.0015475	0.80640031	0.9092537
Car6	0.00992205	0.01055052	0.01209803	-0.0015475	0.71520614	0.90650187
Gm53	0.00203212	0.00094327	0.00249107	-0.0015478	0.99712952	0.99739197
Clvs1	0.00622993	0.00606716	0.00761521	-0.0015481	0.81692869	0.9092537
Gm13056	0.00203783	0.00094711	0.00249805	-0.0015509	0.9971109	0.99739197
Styx	0.01338967	0.01473689	0.01628797	-0.0015511	0.6639792	0.90650187
Prlr	0.01395684	0.01541893	0.01697141	-0.0015525	0.65787404	0.90650187
Gm10874	0.00806512	0.00829322	0.00984623	-0.001553	0.75840695	0.90650187
Cadm2	0.00265423	0.00169801	0.0032523	-0.0015543	0.9831889	0.98715023
Rab39	0.01717309	0.01928191	0.02083718	-0.0015553	0.6299865	0.90650187
Neb	0.00848876	0.00880505	0.01036045	-0.0015554	0.74774494	0.90650187
Unc5d	0.01081188	0.01161933	0.01317509	-0.0015558	0.70019227	0.90650187
Ak8	0.04468625	0.05167723	0.05323556	-0.0015583	0.55176977	0.90650187
Chrm1	0.00214056	0.00106448	0.0026238	-0.0015593	0.99587926	0.99633807
Gm43614	0.00625977	0.00608911	0.00765152	-0.0015624	0.81800136	0.9092537
Saraf	1.36850982	0.86585208	0.86741506	-0.001563	0.50319568	0.90650187
Gm5218	0.00478722	0.00429442	0.00585742	-0.001563	0.88224201	0.92700639
Hnf1aos1	0.12449672	0.13949529	0.14105941	-0.0015641	0.51965766	0.90650187
Ctdp1	0.03738571	0.04318916	0.04475404	-0.0015649	0.56176488	0.90650187
Omd	0.00243254	0.00141495	0.0029811	-0.0015661	0.99024238	0.99265856
Snap47	0.72812444	0.61029486	0.61186146	-0.0015666	0.50454085	0.90650187
Hoxaas3	0.02263156	0.02579205	0.02735985	-0.0015678	0.6005404	0.90650187
Aox1	0.00779264	0.00794748	0.00951532	-0.0015678	0.76806953	0.90650187
Slc1a4	0.03870951	0.04472967	0.04629808	-0.0015684	0.55985467	0.90650187

P2ry2	0.01007867	0.01071902	0.01228771	-0.0015687	0.71482629	0.90650187
Gnal	0.00611713	0.00590898	0.0074779	-0.0015689	0.82451876	0.90934433
Lhx9	0.00817046	0.00840505	0.00997411	-0.0015691	0.75783471	0.90650187
Fam19a2	0.0062824	0.0061092	0.00767907	-0.0015699	0.81828233	0.9092537
Lgi1	0.00296038	0.00205677	0.00362668	-0.0015699	0.97284814	0.97935527
Tmem35	0.01967835	0.02226584	0.02383681	-0.001571	0.61523436	0.90650187
Tcaf2	0.01526776	0.01697585	0.01854909	-0.0015732	0.64693387	0.90650187
Ptch2	0.03071353	0.03535454	0.03693034	-0.0015758	0.57522447	0.90650187
B430219N15	0.00555185	0.0052133	0.00678947	-0.0015762	0.84897366	0.91444933
Synpo2	0.0021678	0.00107964	0.00265715	-0.0015775	0.99584601	0.99633807
Angpt4	0.01091361	0.01172012	0.01329815	-0.001578	0.70109035	0.90650187
Cbfa2t2	0.24585155	0.2587216	0.26029979	-0.0015782	0.51075162	0.90650187
Dhx58	0.01363603	0.01500579	0.01658489	-0.0015791	0.66395466	0.90650187
Cep55	0.04897742	0.05660292	0.05818284	-0.0015799	0.54804286	0.90650187
Wfikkn1	0.00557926	0.0052429	0.00682286	-0.00158	0.84836941	0.91440801
Gm3550	0.11511021	0.12955565	0.13113615	-0.0015805	0.52136505	0.90650187
Prdm9	0.00295781	0.00204211	0.00362354	-0.0015814	0.97382299	0.97994725
Tmem8c	0.0073949	0.00744792	0.00903209	-0.0015842	0.78222524	0.90650187
Hdac9	0.00952297	0.01002977	0.01161457	-0.0015848	0.72794129	0.90650187
Sgcz	0.00217751	0.00108411	0.00266902	-0.0015849	0.99585326	0.99633807
Gm43062	0.02252369	0.02564592	0.02723141	-0.0015855	0.60211903	0.90650187
Snx20	0.00551814	0.00516205	0.0067484	-0.0015864	0.85199622	0.91551074
Lrriq1	0.00227609	0.00120329	0.00278968	-0.0015864	0.99426511	0.99531274
Rimkla	0.00544814	0.00507347	0.00666311	-0.0015896	0.85556467	0.9165432
Fam151b	0.00550895	0.00514756	0.0067372	-0.0015896	0.85289784	0.91562204
Ctrl	0.00791401	0.00807272	0.00966273	-0.00159	0.76777205	0.90650187
Optc	0.003064	0.002162	0.00375335	-0.0015914	0.97027511	0.97741232
Slc30a6	0.19037498	0.20619423	0.20778564	-0.0015914	0.51358074	0.90650187
Gm17705	0.00816247	0.00837272	0.00996442	-0.0015917	0.76118945	0.90650187
Rassf4	0.0701178	0.08056107	0.08215305	-0.001592	0.53432556	0.90650187

Gm26562	0.00824239	0.00846864	0.01006144	-0.0015928	0.75921313	0.90650187
Chrna7	0.00599795	0.0057398	0.0073328	-0.001593	0.83292209	0.91042272
C330011M18	0.01795069	0.02017527	0.02176931	-0.001594	0.62760833	0.90650187
Lrrc55	0.0024333	0.00138767	0.00298204	-0.0015944	0.99126985	0.9935575
Trio	0.29129848	0.29943919	0.30103443	-0.0015952	0.50939749	0.90650187
Gm26718	0.00629928	0.00610361	0.00769961	-0.001596	0.82160605	0.9092537
D430041D05	0.00229129	0.00121164	0.00280827	-0.0015966	0.99425655	0.99531274
Paqr9	0.00545813	0.00507811	0.00667528	-0.0015972	0.85626448	0.9165432
Gm7535	0.0126435	0.01378416	0.01538802	-0.0016039	0.67844609	0.90650187
Col8a1	0.0113617	0.01223545	0.01383995	-0.0016045	0.6968598	0.90650187
Rpusd2	0.02488855	0.02843577	0.03004294	-0.0016072	0.59399018	0.90650187
Hkdc1	0.00226343	0.00116579	0.00277418	-0.0016084	0.99502327	0.99594052
Gm15247	0.00805307	0.00822172	0.00983159	-0.0016099	0.76667635	0.90650187
Cbln2	0.0028199	0.00184452	0.00345491	-0.0016104	0.980875	0.98560821
Atp1a3	0.00601581	0.00574181	0.00735454	-0.0016127	0.83518229	0.91066681
Dnajb3	0.08762635	0.09989978	0.1015126	-0.0016128	0.52815425	0.90650187
Slc22a2	0.00838933	0.00862573	0.01023978	-0.0016141	0.75826784	0.90650187
Klhl35	0.00305376	0.00212547	0.00374084	-0.0016154	0.97255263	0.97931721
Gli2	0.06365238	0.07327604	0.07489233	-0.0016163	0.53821714	0.90650187
Gm16191	0.0023214	0.00122775	0.00284512	-0.0016174	0.99425124	0.99531274
Nutf2-ps1	0.01562609	0.01736207	0.01897986	-0.0016178	0.64763029	0.90650187
Gm16253	0.00276743	0.00177249	0.00339075	-0.0016183	0.98306826	0.98709923
Igsf23	0.00243993	0.00137031	0.00299015	-0.0016198	0.99198633	0.99407899
Il13ra1	0.12724455	0.14232367	0.14394374	-0.0016201	0.51995273	0.90650187
Kctd14	0.01877904	0.02113864	0.0227612	-0.0016226	0.62434438	0.90650187
Ikzf3	0.00238677	0.00130225	0.0029251	-0.0016229	0.99317668	0.99474162
Mlkl	0.00272479	0.00171531	0.0033386	-0.0016233	0.98467292	0.98818334
Klhl40	0.01168052	0.01260131	0.01422525	-0.0016239	0.69410014	0.90650187
Gdpd2	0.012322	0.01337209	0.01499999	-0.0016279	0.6852635	0.90650187
Adra1b	0.00551897	0.00512052	0.00674941	-0.0016289	0.85834137	0.91744797

Lrrc43	0.00566111	0.00529359	0.00692257	-0.001629	0.8522467	0.91557373
Galnt13	0.00634088	0.00611999	0.00775025	-0.0016303	0.8251393	0.90934433
Slc6a15	0.0023803	0.00128636	0.00291719	-0.0016308	0.9935275	0.99493242
Lrp2bp	0.00582814	0.00549362	0.00712602	-0.0016324	0.84575224	0.9136218
Hcn4	0.00529598	0.00484439	0.00647768	-0.0016333	0.86883839	0.92132629
Ppargc1a	0.00240719	0.00131538	0.00295009	-0.0016347	0.99311885	0.99474162
Fam132b	0.00243904	0.00135393	0.00298906	-0.0016351	0.99249036	0.99445296
Dclre1a	0.11926949	0.13390999	0.13554651	-0.0016365	0.52140255	0.90650187
Glrb	0.00871599	0.00899924	0.01063615	-0.0016369	0.75306978	0.90650187
Gpr161	0.02334134	0.02656601	0.02820449	-0.0016385	0.60189629	0.90650187
Wdr41	0.16814653	0.18418528	0.18582437	-0.0016391	0.51563976	0.90650187
Slc5a7	0.00569485	0.00532311	0.00696367	-0.0016406	0.85252716	0.91557373
Gm9949	0.00633619	0.00610273	0.00774453	-0.0016418	0.82701813	0.90947782
Nrg3	0.00262726	0.00157749	0.00321932	-0.0016418	0.9883118	0.99098467
Esyt3	0.00570119	0.00532546	0.00697139	-0.0016459	0.85304827	0.91566617
Setbp1	0.14002168	0.1555909	0.15723693	-0.001646	0.51855955	0.90650187
Rasl2-9	0.00635707	0.00612341	0.00776995	-0.0016465	0.82692286	0.90947782
Gm11733	0.00594619	0.00562313	0.00726977	-0.0016466	0.84302248	0.91273395
Tceal7	0.00597144	0.00565239	0.00730052	-0.0016481	0.84221852	0.91251845
Adgrg2	0.02461168	0.02806336	0.02971424	-0.0016509	0.5975426	0.90650187
Plppr4	0.00276172	0.00173286	0.00338377	-0.0016509	0.98495749	0.98821581
Colgalt2	0.00596907	0.00564578	0.00729764	-0.0016519	0.84286086	0.91273395
Atp1b2	0.07504273	0.08598974	0.087643	-0.0016533	0.53341624	0.90650187
Vpreb1	0.00860102	0.00884125	0.01049667	-0.0016554	0.75838377	0.90650187
Gm3294	0.00530713	0.00483498	0.00649127	-0.0016563	0.8716716	0.92233607
Trdmt1	0.06714247	0.07716233	0.07881932	-0.001657	0.53723019	0.90650187
Ggn	0.00568489	0.00528755	0.00695154	-0.001664	0.85636886	0.9165432
Kcnmb4os2	0.00897663	0.00928732	0.01095228	-0.001665	0.75042275	0.90650187
9430065F17I	0.02218098	0.02515823	0.02682322	-0.001665	0.60870675	0.90650187
Bcl2l15	0.01319662	0.01438955	0.01605522	-0.0016657	0.67767739	0.90650187

RP23-316J6.4	0.00625018	0.00597397	0.00763985	-0.0016659	0.83381988	0.91062493
Gm28874	0.01564584	0.01733432	0.0190036	-0.0016693	0.65191703	0.90650187
Prr15	0.02756522	0.03154508	0.03321446	-0.0016694	0.5884031	0.90650187
Mstn	0.00543688	0.00497536	0.00664939	-0.001674	0.86847478	0.92100496
Gltscr1	0.00582781	0.00544539	0.00712562	-0.0016802	0.85274462	0.91562204
Gm10561	0.02614222	0.02984827	0.0315298	-0.0016815	0.59370689	0.90650187
Efhc2	0.00630166	0.00601626	0.00770252	-0.0016863	0.83478444	0.91062493
Tollip	0.24579102	0.25855201	0.2602442	-0.0016922	0.51153051	0.90650187
Hyls1	0.0483027	0.05571325	0.05740681	-0.0016936	0.55217179	0.90650187
2810433D01	0.03073598	0.03526294	0.03695678	-0.0016938	0.58072741	0.90650187
Tmem72	0.00499484	0.00441621	0.0061106	-0.0016944	0.8911569	0.93109327
Zfp641	0.00628182	0.00598191	0.00767836	-0.0016965	0.83700256	0.91092327
Gm10642	0.00628909	0.00599045	0.00768722	-0.0016968	0.8367679	0.91092327
Rps6ka4	0.20103216	0.21642667	0.21812381	-0.0016971	0.51379649	0.90650187
Kcnj5	0.00557766	0.00512349	0.00682092	-0.0016974	0.8657055	0.92040222
Fitm1	0.01385201	0.0151465	0.01684513	-0.0016986	0.67302662	0.90650187
Vmn1r4	0.00505825	0.00448895	0.0061879	-0.001699	0.88887886	0.9302877
Abhd3	0.02286698	0.02593877	0.02764009	-0.0017013	0.60781898	0.90650187
Heca	0.02855416	0.03268204	0.03438337	-0.0017013	0.58705427	0.90650187
Wfdc3	0.0280247	0.03205589	0.03375775	-0.0017019	0.58866839	0.90650187
Plbd2	0.32384082	0.32731935	0.32902626	-0.0017069	0.50919991	0.90650187
Tmem82	0.00547421	0.00498708	0.00669488	-0.0017078	0.87160868	0.9223337
Fam150b	0.00892518	0.00917972	0.01088988	-0.0017102	0.75745662	0.90650187
Gm32950	0.00955232	0.00993533	0.01165014	-0.0017148	0.74355883	0.90650187
Try4	0.00809676	0.00816882	0.00988464	-0.0017158	0.77985051	0.90650187
Gm19705	0.01309923	0.01422119	0.01593778	-0.0017166	0.68396503	0.90650187
Nrg2	0.00836866	0.00849775	0.0102147	-0.001717	0.77254311	0.90650187
Jph3	0.03320252	0.03813976	0.03985701	-0.0017173	0.57594911	0.90650187
Bcl6	0.00566412	0.00520709	0.00692624	-0.0017191	0.8650811	0.92040222
Syndig1	0.00740966	0.0073302	0.00905003	-0.0017198	0.80089512	0.90813119

Acnat1	0.0062542	0.00592485	0.00764475	-0.0017199	0.84138437	0.91251845
Smim10l2a	0.03452281	0.03968401	0.04140554	-0.0017215	0.57332141	0.90650187
Ppfibp2	0.04246299	0.04893971	0.05066132	-0.0017216	0.56004149	0.90650187
Tmprss6	0.01368114	0.01491641	0.01663926	-0.0017228	0.67735078	0.90650187
Mitf	0.03171602	0.03638722	0.03811028	-0.0017231	0.5796495	0.90650187
Crym	0.00620627	0.00586167	0.00758641	-0.0017247	0.84391823	0.91300169
Gm12981	0.0056331	0.00516189	0.00688846	-0.0017266	0.86741919	0.92056229
Gm15965	0.00621994	0.00587508	0.00760305	-0.001728	0.84383923	0.91300169
Stac3	0.0216645	0.02447892	0.02620772	-0.0017288	0.61533652	0.90650187
Sstr2	0.04472873	0.05155535	0.05328468	-0.0017293	0.55736029	0.90650187
3110083C13l	0.00617005	0.00581029	0.00754232	-0.001732	0.84634798	0.91405582
Gm28285	0.00580857	0.00537	0.00710218	-0.0017322	0.86087409	0.91848494
B4galnt4	0.00871472	0.00890164	0.01063461	-0.001733	0.76560088	0.90650187
Pcdhga5	0.00893016	0.00916231	0.01089592	-0.0017336	0.76031819	0.90650187
Sugct	0.00541673	0.00489	0.00662484	-0.0017348	0.8778219	0.92484883
Gm14393	0.00835865	0.00846749	0.01020255	-0.0017351	0.77518259	0.90650187
Dusp14	0.03800626	0.043743	0.04547817	-0.0017352	0.56734431	0.90650187
Ifi47	0.01053939	0.01110876	0.01284541	-0.0017366	0.72608902	0.90650187
Raver2	0.01325327	0.01438227	0.01612353	-0.0017413	0.68442267	0.90650187
Cilp2	0.03183188	0.03650432	0.03824655	-0.0017422	0.5802404	0.90650187
Gm8898	0.00798242	0.00800219	0.0097458	-0.0017436	0.78679765	0.90650187
Ccdc107	0.46180014	0.43617917	0.43792364	-0.0017445	0.50706452	0.90650187
Kcnj11	0.00881854	0.00901465	0.01076055	-0.0017459	0.76463677	0.90650187
A830009L08l	0.00508786	0.00447785	0.006224	-0.0017462	0.89384162	0.93197657
Slc16a4	0.01494626	0.01641421	0.01816243	-0.0017482	0.665642	0.90650187
Wdr93	0.00817426	0.0082302	0.00997873	-0.0017485	0.78200551	0.90650187
S100a14	0.00584672	0.00539882	0.00714864	-0.0017498	0.86174314	0.9188337
Gm17509	0.00538551	0.0048358	0.00658679	-0.001751	0.8813565	0.92652145
Zdhhc24	0.06914445	0.07931123	0.08106387	-0.0017526	0.53828589	0.90650187
Fanci	0.00525811	0.00467872	0.00643153	-0.0017528	0.88716298	0.92936447

Ar	0.02172104	0.02452229	0.02627512	-0.0017528	0.61660253	0.90650187
Gm42912	0.00953675	0.00987718	0.01163126	-0.0017541	0.74870884	0.90650187
Gm26808	0.00780514	0.00777362	0.00953051	-0.0017569	0.79375478	0.90731056
Gm12996	0.01778782	0.01981553	0.02157414	-0.0017586	0.64146717	0.90650187
Reep6	0.17095212	0.18686703	0.1886267	-0.0017597	0.51654035	0.90650187
Gm340	0.03065324	0.03509666	0.03685933	-0.0017627	0.58417856	0.90650187
Rsad1	0.0238092	0.02699809	0.02876083	-0.0017627	0.60736955	0.90650187
D930028M14	0.01809635	0.02018086	0.02194381	-0.001763	0.63951291	0.90650187
Cables1	0.02974878	0.03402928	0.03579332	-0.001764	0.58671282	0.90650187
Smim18	0.00618604	0.00579568	0.00756178	-0.0017661	0.85043392	0.91483663
Eml6	0.01372083	0.01491993	0.01668708	-0.0017671	0.68110304	0.90650187
Cap2	0.01387695	0.01510624	0.01687518	-0.0017689	0.67939616	0.90650187
Rgs14	0.01806171	0.02013302	0.0219023	-0.0017693	0.64024685	0.90650187
Ak9	0.00987329	0.01026741	0.01203899	-0.0017716	0.74350426	0.90650187
Pbx4	0.03208098	0.03676553	0.03853945	-0.0017739	0.58106751	0.90650187
Abcb4	0.00612334	0.00571084	0.00748545	-0.0017746	0.85404486	0.91608365
Acsbg1	0.01506524	0.01652877	0.01830554	-0.0017768	0.66694736	0.90650187
Cebpz	0.59730051	0.52986506	0.53164201	-0.001777	0.50592764	0.90650187
Nptx1	0.03786817	0.04353756	0.04531708	-0.0017795	0.5692917	0.90650187
Amz1	0.00543602	0.00486685	0.00664834	-0.0017815	0.88322191	0.92745622
Kcnt2	0.00616514	0.00575422	0.00753634	-0.0017821	0.85342949	0.91590713
1700108N11	0.00606134	0.00562618	0.00740998	-0.0017838	0.85773284	0.91722806
Ddx23	0.17655257	0.19240944	0.19419393	-0.0017845	0.51629289	0.90650187
Ifnar1	0.31204476	0.31720426	0.3189888	-0.0017845	0.5099208	0.90650187
Bmper	0.00565884	0.00513478	0.00691981	-0.001785	0.87426413	0.9235672
A530083I20F	0.00604123	0.00560019	0.0073855	-0.0017853	0.85873258	0.9176516
Gm26511	0.00575593	0.00524927	0.00703807	-0.0017888	0.87073968	0.92218448
Sbno2	0.00572167	0.00520744	0.00699634	-0.0017889	0.8721684	0.92254675
4930524O07	0.00531361	0.00470985	0.00649917	-0.0017893	0.88951357	0.9302877
Serpina7	0.00485812	0.00415353	0.00594389	-0.0017904	0.9097244	0.9393235

4930500F10I	0.00522544	0.00459573	0.00639171	-0.001796	0.89419577	0.93228189
Efcab12	0.00566318	0.00512812	0.0069251	-0.001797	0.87566388	0.92418014
lqcd	0.00518888	0.00454968	0.00634715	-0.0017975	0.89597841	0.93330829
Slc25a38	0.18723382	0.20291621	0.20471513	-0.0017989	0.51558085	0.90650187
Abcc5	0.30328442	0.30965393	0.31145494	-0.001801	0.51025448	0.90650187
Spag8	0.01162347	0.01235367	0.01415632	-0.0018027	0.71433684	0.90650187
Actn2	0.01096068	0.01155146	0.01335507	-0.0018036	0.72587436	0.90650187
AA415398	0.01614365	0.01779777	0.01960167	-0.0018039	0.65877424	0.90650187
Mbd5	0.1236843	0.138399	0.14020476	-0.0018058	0.52282976	0.90650187
Dna2	0.04835903	0.05566335	0.05747163	-0.0018083	0.55562105	0.90650187
Gm26520	0.00864422	0.0087384	0.01054908	-0.0018107	0.77728544	0.90650187
Sptb	0.00519765	0.00454578	0.00635784	-0.0018121	0.89743107	0.93411734
Gm3604	0.02796587	0.03187534	0.03368821	-0.0018129	0.59453695	0.90650187
Pdgfb	0.02824727	0.03220593	0.03402079	-0.0018149	0.59373142	0.90650187
Hnf1a	0.06294498	0.07227827	0.0740942	-0.0018159	0.54338075	0.90650187
Spp2	0.00580647	0.00528176	0.00709962	-0.0018179	0.87250231	0.92276543
Pou6f1	0.02693945	0.03065604	0.03247402	-0.001818	0.59827175	0.90650187
Hmgcl1	0.01856754	0.02068772	0.02250804	-0.0018203	0.6404027	0.90650187
Lingo1	0.24534824	0.25801693	0.25983742	-0.0018205	0.51242389	0.90650187
Rtn3	1.26936867	0.840831	0.84265183	-0.0018208	0.50383226	0.90650187
Phyhip	0.03253044	0.0372464	0.03906771	-0.0018213	0.58209302	0.90650187
Kcnab3os	0.00542809	0.00481567	0.00663868	-0.001823	0.88891524	0.9302877
Gm43689	0.00598707	0.00549646	0.00731956	-0.0018231	0.86591311	0.9204717
Gm16984	0.0083428	0.00835864	0.01018332	-0.0018247	0.78715224	0.90650187
Fam169a	0.00590644	0.00539538	0.00722136	-0.001826	0.86951683	0.92144928
Gm16035	0.01060681	0.01110045	0.01292699	-0.0018265	0.73504668	0.90650187
Gm43140	0.00607737	0.0056014	0.00742949	-0.0018281	0.86299622	0.91950555
Polq	0.00834079	0.00835133	0.01018087	-0.0018295	0.78782443	0.90650187
Hcn2	0.006028	0.00553855	0.00736939	-0.0018308	0.86530263	0.92040222
Gm43703	0.00609593	0.00561927	0.00745208	-0.0018328	0.86288645	0.91950555

Gpr3	0.00525208	0.00458847	0.00642418	-0.0018357	0.89801665	0.9343964
Zfp459	0.0082892	0.0082809	0.01011826	-0.0018374	0.79024459	0.90650187
Cdhr4	0.02606549	0.02959884	0.03143886	-0.00184	0.60264028	0.90650187
Dym	0.09554183	0.10828205	0.11012274	-0.0018407	0.52961737	0.90650187
Ifnlr1	0.0051254	0.00442757	0.00626976	-0.0018422	0.90426078	0.93677582
Tubb4a	0.10208015	0.11533652	0.11718105	-0.0018445	0.52789439	0.90650187
Murc	0.01155997	0.0122295	0.01407959	-0.0018501	0.72044476	0.90650187
Gm42851	0.00727455	0.00703427	0.00888582	-0.0018516	0.82286464	0.9092537
Mrps27	0.1440369	0.15951956	0.16137449	-0.0018549	0.52037721	0.90650187
Glit28d2	0.01725915	0.01908292	0.02094039	-0.0018575	0.65333358	0.90650187
Fhdc1	0.05128844	0.05897505	0.06083566	-0.0018606	0.55407558	0.90650187
Arhgef12	0.2717783	0.2819189	0.28377986	-0.001861	0.51162881	0.90650187
Fnip1	0.16491741	0.1807258	0.18258811	-0.0018623	0.51808302	0.90650187
Tsyp12	0.25719296	0.26878574	0.27065048	-0.0018647	0.51221755	0.90650187
Gm26722	0.03338739	0.03820921	0.04007401	-0.0018648	0.58194478	0.90650187
Gm26596	0.01047498	0.01089826	0.01276746	-0.0018692	0.74242846	0.90650187
Vstm5	0.00433443	0.00343256	0.00530504	-0.0018725	0.9416914	0.95769392
Cngb1	0.01016035	0.01051209	0.01238661	-0.0018745	0.74945359	0.90650187
Hoxb3os	0.01339768	0.01442195	0.01629762	-0.0018757	0.69554797	0.90650187
Ccdc151	0.01479737	0.0161069	0.0179833	-0.0018764	0.67862573	0.90650187
Nfatc3	0.12124352	0.13575446	0.13763232	-0.0018779	0.5241834	0.90650187
Gm13563	0.00449119	0.00361601	0.00549631	-0.0018803	0.9358515	0.95373281
Mc4r	0.00509549	0.00435143	0.00623331	-0.0018819	0.91022795	0.93965196
A630023P12	0.00590078	0.00533246	0.00721447	-0.001882	0.87691669	0.92473192
Engase	0.04346208	0.04993682	0.05181907	-0.0018822	0.56414206	0.90650187
Rnf19b	0.06463755	0.07411957	0.07600264	-0.0018831	0.54385315	0.90650187
Cfap45	0.01332944	0.01432723	0.01621536	-0.0018881	0.69764851	0.90650187
Gm15351	0.00586503	0.00528111	0.00717094	-0.0018898	0.87932093	0.92549228
Al317395	0.00869589	0.00871787	0.01061177	-0.0018939	0.78623153	0.90650187
Igln5	0.01618479	0.01775418	0.01965107	-0.0018969	0.66608473	0.90650187

2310074N15	0.00521124	0.00447624	0.00637441	-0.0018982	0.90721702	0.93808668
Hist1h4c	0.01226772	0.01303412	0.01493446	-0.0019003	0.71419498	0.90650187
Atp7b	0.00596428	0.00538704	0.0072918	-0.0019048	0.87723557	0.92481156
Ssh3	0.13550225	0.15065229	0.15255712	-0.0019048	0.52213316	0.90650187
1700022N22	0.00580764	0.00519534	0.00710105	-0.0019057	0.88357925	0.92767795
Gm16702	0.00457709	0.00369353	0.00560112	-0.0019076	0.93499379	0.95330609
Zhx2	0.03753862	0.0430233	0.04493252	-0.0019092	0.57491353	0.90650187
Gm26830	0.02272545	0.02556189	0.02747162	-0.0019097	0.62135556	0.90650187
Gm7694	0.00884061	0.00887679	0.01078731	-0.0019105	0.78446322	0.90650187
5730522E02I	0.00783097	0.00764945	0.00956188	-0.0019124	0.81303739	0.9092537
Ppp1r3e	0.00594231	0.00535165	0.00726505	-0.0019134	0.87916895	0.92549228
Trim62	0.07180277	0.08211883	0.08403528	-0.0019165	0.54037696	0.90650187
Smad2	0.25920308	0.27055539	0.27247197	-0.0019166	0.51247314	0.90650187
Zfp772	0.04516778	0.05187409	0.05379211	-0.001918	0.56297384	0.90650187
Slc25a17	0.72770515	0.60970048	0.61161859	-0.0019181	0.50556186	0.90650187
Clec2l	0.00506363	0.00427457	0.00619446	-0.0019199	0.91587615	0.94228314
Scml2	0.01954035	0.02175055	0.02367184	-0.0019213	0.64088285	0.90650187
Arhgef4	0.02965038	0.0337559	0.03567727	-0.0019214	0.59460786	0.90650187
Serpib6b	0.01992422	0.02220924	0.02413065	-0.0019214	0.6383243	0.90650187
Tlr5	0.00758651	0.00734294	0.00926492	-0.001922	0.82179442	0.9092537
Lhx6	0.01031496	0.01064504	0.01257377	-0.0019287	0.7523576	0.90650187
Spata9	0.01140719	0.01196565	0.01389493	-0.0019293	0.73146971	0.90650187
C130080G10	0.01070616	0.01111648	0.0130472	-0.0019307	0.74468552	0.90650187
Dennd3	0.01869557	0.0207302	0.02266129	-0.0019311	0.64759417	0.90650187
A930012L18I	0.00538802	0.00465869	0.00658985	-0.0019312	0.90367618	0.93651361
Rtn4r	0.00564946	0.00497698	0.00690839	-0.0019314	0.89304338	0.93179124
Piwil4	0.00562033	0.00493895	0.00687289	-0.0019339	0.89452086	0.93247252
Gm12108	0.00486521	0.00401849	0.00595253	-0.001934	0.92569031	0.94746893
Parpbp	0.02381579	0.02683461	0.02876866	-0.001934	0.61747946	0.90650187
Pde1b	0.0049688	0.00414055	0.00607885	-0.0019383	0.9218355	0.94549985

Spice1	0.15583597	0.17148284	0.17342353	-0.0019407	0.5198385	0.90650187
Slc43a1	0.07417965	0.08474169	0.08668343	-0.0019417	0.53966225	0.90650187
Rab33a	0.05406821	0.06207384	0.06401587	-0.001942	0.55364078	0.90650187
Trpm3	0.00554069	0.00483324	0.00677587	-0.0019426	0.89876463	0.93440169
9430041J12F	0.00553637	0.00482763	0.00677061	-0.001943	0.89898185	0.93440169
Gm6288	0.00636576	0.00583719	0.00778052	-0.0019433	0.86658154	0.92056229
Gm13572	0.00522943	0.00445237	0.00639657	-0.0019442	0.91168737	0.94039219
Edil3	0.00565089	0.00496482	0.00691012	-0.0019453	0.89462399	0.93247252
Gm15627	0.00813516	0.00798521	0.00993126	-0.0019461	0.80815731	0.9092537
Il17rb	0.00573285	0.00506054	0.00700996	-0.0019494	0.89182497	0.93134318
1700013F07I	0.0054537	0.00471949	0.00666989	-0.0019504	0.90319606	0.93635703
Zfp558	0.00700248	0.00660236	0.00855507	-0.0019527	0.84487903	0.91325304
Cpsf7	0.3181851	0.32227517	0.32422926	-0.0019541	0.51068761	0.90650187
Gm12843	0.00507548	0.00425365	0.00620891	-0.0019553	0.91923879	0.94389009
Gm36266	0.01029232	0.01059059	0.01254637	-0.0019558	0.75584431	0.90650187
Trpc3	0.00489973	0.00403672	0.00599463	-0.0019579	0.92674705	0.94801359
Smco3	0.01353521	0.01450508	0.01646339	-0.0019583	0.70152886	0.90650187
Adcy8	0.00522463	0.00443171	0.00639072	-0.001959	0.91351988	0.94094157
Abcb10	0.18850055	0.20399474	0.20595464	-0.0019599	0.51687232	0.90650187
Rsph10b	0.00498815	0.00414134	0.00610244	-0.0019611	0.92344778	0.94620379
Trpc6	0.00685748	0.0064166	0.00837874	-0.0019621	0.85107968	0.91505486
Ppm1n	0.00583685	0.00517331	0.00713662	-0.0019633	0.88933506	0.9302877
Gm16230	0.00446387	0.00349827	0.00546299	-0.0019647	0.94507019	0.95971754
1700042O10	0.00549574	0.00475636	0.0067211	-0.0019647	0.90312365	0.93635703
Ankrd45	0.00553038	0.00479675	0.00676331	-0.0019666	0.90193291	0.93591959
Cyp2c68	0.00525618	0.00446016	0.00642917	-0.001969	0.91332562	0.94082155
2310022A10I	0.13555762	0.15064538	0.15261461	-0.0019692	0.52287195	0.90650187
Dph1	0.01096405	0.01138753	0.01335915	-0.0019716	0.74412257	0.90650187
Gabrg3	0.00560769	0.00488563	0.00685749	-0.0019719	0.8994336	0.93453795
Gm14410	0.00586514	0.00519499	0.00717108	-0.0019761	0.88972106	0.93029646

Slc18a2	0.01637755	0.01790634	0.01988254	-0.0019762	0.67070695	0.90650187
Parvaos	0.00831293	0.00816937	0.01014706	-0.0019777	0.80688081	0.9092537
Rmst	0.00538167	0.00460344	0.00658211	-0.0019787	0.90929215	0.93919616
Zkscan7	0.01116152	0.01161893	0.01359795	-0.001979	0.74118526	0.90650187
Gm26850	0.0072147	0.00683391	0.00881307	-0.0019792	0.84094643	0.91251845
Stra6	0.00452321	0.0035519	0.00553538	-0.0019835	0.94441804	0.95931164
Neu2	0.00729418	0.00692432	0.00890967	-0.0019854	0.83906485	0.91189139
Spaca1	0.01551821	0.01686445	0.01885019	-0.0019857	0.68022021	0.90650187
Nrg1	0.06299798	0.0721672	0.07415402	-0.0019868	0.54740672	0.90650187
Gm26584	0.00485606	0.00395428	0.00594137	-0.0019871	0.93147067	0.95113723
Gm3512	0.00547538	0.00470916	0.0066963	-0.0019871	0.90645529	0.93785917
1700001L05F	0.0055596	0.00481051	0.00679891	-0.0019884	0.90322567	0.93635703
Ddx3x	0.85281378	0.67844454	0.68043336	-0.0019888	0.50518367	0.90650187
Asb5	0.00582437	0.00513214	0.00712142	-0.0019893	0.89284899	0.93179124
Plekhd1	0.00423187	0.00319014	0.00517988	-0.0019897	0.95615229	0.96703067
Kdm6bos	0.00487064	0.00396553	0.00595915	-0.0019936	0.93152776	0.95113723
Gm26911	0.00500394	0.00412705	0.00612169	-0.0019946	0.92626392	0.94759147
Islr2	0.01105566	0.0114718	0.01346994	-0.0019981	0.74520094	0.90650187
Sp2	0.09853722	0.11135732	0.11335833	-0.002001	0.5312747	0.90650187
Gm9797	0.00541377	0.00461833	0.00662123	-0.0020029	0.91065256	0.93983499
Pmaip1	0.0055341	0.00476402	0.00676784	-0.0020038	0.90595544	0.93759726
Gm21992	0.00540029	0.00459827	0.0066048	-0.0020065	0.9115838	0.94039219
Etv2	0.00818268	0.00798228	0.00998895	-0.0020067	0.81409084	0.9092537
Ascl2	0.00432944	0.00329137	0.00529895	-0.0020076	0.9539364	0.96556047
Dennd2d	0.01962774	0.0217683	0.02377631	-0.002008	0.64633667	0.90650187
Gm16263	0.00525089	0.00441459	0.00642273	-0.0020081	0.91773072	0.94297078
Pcx	0.12853788	0.14328979	0.14529817	-0.0020084	0.52449931	0.90650187
Ccdc24	0.00558035	0.00481478	0.00682419	-0.0020094	0.90473708	0.93703811
Scn2a1	0.01109924	0.01150509	0.01352263	-0.0020175	0.74642243	0.90650187
Gm9917	0.01624979	0.01771056	0.01972913	-0.0020186	0.67539046	0.90650187

Igf2os	0.01260973	0.01332816	0.01534727	-0.0020191	0.72068274	0.90650187
Gm15423	0.00572215	0.00497622	0.00699693	-0.0020207	0.90040991	0.93504361
AU022754	0.00452503	0.00351326	0.0055376	-0.0020243	0.9479348	0.9616629
Gm6525	0.00770806	0.00738717	0.00941258	-0.0020254	0.83061814	0.9098597
Slc25a13	0.07016161	0.08017553	0.08220204	-0.0020265	0.54363532	0.90650187
Abca2	0.07310268	0.08345767	0.08548455	-0.0020269	0.54197374	0.90650187
Usp30	0.11167967	0.12545462	0.12748251	-0.0020279	0.5281886	0.90650187
Acot3	0.00508873	0.00419666	0.00622506	-0.0020284	0.92627207	0.94759147
Stx19	0.00458993	0.00358683	0.00561678	-0.0020299	0.94593736	0.96040568
Gm10848	0.03131755	0.0356111	0.03764146	-0.0020304	0.59475465	0.90650187
Mdga2	0.00470151	0.00372003	0.00575289	-0.0020329	0.94189834	0.95777624
Ercc6l	0.02156203	0.02405235	0.02608555	-0.0020332	0.63551872	0.90650187
1500002C15I	0.03042319	0.03455496	0.03658831	-0.0020334	0.59756883	0.90650187
A330041J22F	0.00494668	0.00401598	0.00605188	-0.0020359	0.93261268	0.95188026
Lrtm2	0.0079874	0.0077149	0.00975185	-0.002037	0.82344999	0.9092537
Kcnh1	0.00444559	0.00340319	0.00544068	-0.0020375	0.95202816	0.96414257
4933407L21F	0.00836812	0.00817213	0.01021404	-0.0020419	0.81292627	0.9092537
Ppara	0.00970721	0.00979355	0.0118378	-0.0020443	0.77866901	0.90650187
Ly75	0.00453599	0.00350454	0.00555098	-0.0020464	0.94938557	0.96236396
A930031H19	0.00568087	0.00489952	0.00694665	-0.0020471	0.90491723	0.93712658
4921507P07I	0.00525188	0.00437647	0.00642394	-0.0020475	0.9217479	0.94549985
Rab10	1.17627463	0.81296647	0.81501559	-0.0020491	0.50445897	0.90650187
Gm34342	0.01368361	0.0145928	0.01664223	-0.0020494	0.70796919	0.90650187
Slc3a1	0.00548159	0.00465355	0.00670387	-0.0020503	0.91302892	0.9407546
Gm26624	0.00854194	0.00837231	0.01042498	-0.0020527	0.80930487	0.9092537
Slc9b2	0.01113708	0.01151507	0.0135684	-0.0020533	0.74945065	0.90650187
Tmem132e	0.00808463	0.00781478	0.00986991	-0.0020551	0.8226925	0.9092537
Pik3cg	0.00866566	0.0085197	0.01057509	-0.0020554	0.80622107	0.9092537
Zar1	0.00482871	0.00385142	0.00590803	-0.0020566	0.93913256	0.95593613
Gm15816	0.0048593	0.00388733	0.00594533	-0.002058	0.93808107	0.9554285

Figl2	0.02851787	0.03228052	0.0343405	-0.00206	0.60514154	0.90650187
Kcnab1	0.02416051	0.02711756	0.02917834	-0.0020608	0.62323177	0.90650187
Gm14226	0.01553456	0.01680845	0.01886984	-0.0020614	0.68639197	0.90650187
2900055J20F	0.01047303	0.01070314	0.0127651	-0.002062	0.76365365	0.90650187
Gabrd	0.0056773	0.00487937	0.0069423	-0.0020629	0.9067535	0.9379403
Tceb3	0.43068816	0.4125852	0.41465119	-0.002066	0.50883591	0.90650187
Gp9	0.00500651	0.00405579	0.00612483	-0.002069	0.93342248	0.95231059
Sult1b1	0.00555951	0.00472643	0.0067988	-0.0020724	0.91230428	0.94062208
Kl	0.0127843	0.0134834	0.0155579	-0.0020745	0.72333573	0.90650187
Myb	0.00531217	0.00442116	0.00649741	-0.0020763	0.92228328	0.94557609
Gm26778	0.00701359	0.00649203	0.00856857	-0.0020765	0.85934153	0.91797966
Mfsd9	0.02146367	0.02388963	0.02596827	-0.0020786	0.63902355	0.90650187
Gm960	0.00780754	0.0074545	0.00953343	-0.0020789	0.83383715	0.91062493
Gm16052	0.00541454	0.00454216	0.00662217	-0.00208	0.91869651	0.94359967
4930471D02	0.00531773	0.00442414	0.00650419	-0.0020801	0.92244531	0.94558576
Txlng	0.17318479	0.18876957	0.19085052	-0.0020809	0.51933029	0.90650187
Pou5f1	0.00978547	0.00985123	0.01193261	-0.0020814	0.78095886	0.90650187
Cntnap4	0.00859509	0.00840546	0.01048948	-0.002084	0.81144609	0.9092537
Tmc8	0.02009539	0.02224931	0.02433516	-0.0020859	0.64841663	0.90650187
Scnn1a	0.00516663	0.00423377	0.00632002	-0.0020863	0.92888032	0.9498762
Spata45	0.00485329	0.00385145	0.005938	-0.0020865	0.94087235	0.95711708
Trappc8	0.14385909	0.15910199	0.16119166	-0.0020897	0.52297919	0.90650187
Dpcd	0.61791443	0.54281387	0.54490421	-0.0020903	0.50680327	0.90650187
Gm16794	0.01612817	0.01749142	0.01958308	-0.0020917	0.68254672	0.90650187
lkbkb	0.34531832	0.34489524	0.34698999	-0.0020948	0.51070545	0.90650187
Ccdc96	0.02818948	0.03185329	0.0339525	-0.0020992	0.60828913	0.90650187
Plcb4	0.19797793	0.21307326	0.21517379	-0.0021005	0.5173079	0.90650187
Tas1r2	0.00485628	0.00384102	0.00594165	-0.0021006	0.94199142	0.95777624
Car10	0.01493845	0.01605165	0.01815304	-0.0021014	0.69659166	0.90650187
Xkr5	0.00451869	0.00342794	0.00552987	-0.0021019	0.9544665	0.96590409

Ppm1e	0.00810347	0.0077906	0.00989278	-0.0021022	0.82758759	0.90947782
Slco1a6	0.01902283	0.02094985	0.0230529	-0.0021031	0.65746746	0.90650187
Ogfrl1	0.05912523	0.06766805	0.06977176	-0.0021037	0.55331475	0.90650187
Gprc5a	0.03910661	0.04465696	0.04676071	-0.0021037	0.57926208	0.90650187
Epn3	0.03019615	0.03421651	0.03632075	-0.0021042	0.60162538	0.90650187
Aqp3	0.01935497	0.02134535	0.02345018	-0.0021048	0.65506317	0.90650187
Cdk15	0.01110744	0.01138759	0.0134926	-0.002105	0.75602379	0.90650187
Gm15406	0.00537162	0.00446265	0.00656987	-0.0021072	0.92304864	0.945972
4933430I17R	0.00554222	0.00467036	0.00677774	-0.0021074	0.91655308	0.9423899
E030044B06	0.00559731	0.00473708	0.00684485	-0.0021078	0.91449404	0.94149841
Jsrp1	0.01675485	0.01822758	0.02033542	-0.0021078	0.67753019	0.90650187
Ppm1h	0.19024753	0.20555214	0.20766126	-0.0021091	0.51800695	0.90650187
Zpbp	0.00542131	0.00451848	0.00663041	-0.0021119	0.92161533	0.94549985
Hist2h2ac	0.06005511	0.06871235	0.07082601	-0.0021137	0.55277274	0.90650187
Polr3e	0.1562713	0.17174956	0.17386498	-0.0021154	0.52156818	0.90650187
Gm26590	0.00452393	0.00341905	0.00553626	-0.0021172	0.95544561	0.96651455
Actrt3	0.00492813	0.00391197	0.00602926	-0.0021173	0.94075686	0.95711708
Msrp3	0.03492153	0.0397532	0.04187266	-0.0021195	0.58901911	0.90650187
Cd5	0.00762409	0.00718977	0.00931057	-0.0021208	0.84438435	0.91316779
Aldoart1	0.00532309	0.00438964	0.00651073	-0.0021211	0.92623452	0.94759147
Doc2a	0.00702735	0.00646377	0.00858531	-0.0021215	0.864021	0.92013334
Cstad	0.00833381	0.00805032	0.0101724	-0.0021221	0.82314206	0.9092537
Gm12666	0.00537557	0.0044522	0.00657467	-0.0021225	0.9243789	0.94682419
Crtac1	0.00795114	0.00758327	0.00970782	-0.0021245	0.8347026	0.91062493
Clstn2	0.00753911	0.00708213	0.00920732	-0.0021252	0.84758184	0.9143112
Krt23	0.01420652	0.01514558	0.01727212	-0.0021265	0.70792835	0.90650187
Anxa9	0.01021453	0.01032525	0.0124522	-0.002127	0.77617855	0.90650187
Klhl31	0.01446829	0.0154591	0.01758727	-0.0021282	0.70469251	0.90650187
Vwa3a	0.00432676	0.00316696	0.00529568	-0.0021287	0.96303221	0.9719225
Ism2	0.01409175	0.01500463	0.0171339	-0.0021293	0.70968568	0.90650187

Gm26564	0.00541654	0.00449376	0.00662461	-0.0021308	0.9236351	0.94629143
Vps37b	0.33428903	0.33568295	0.33781392	-0.002131	0.51118625	0.90650187
Tcf24	0.00486634	0.00382233	0.00595392	-0.0021316	0.9442619	0.95921713
Gm6277	0.01278188	0.01342249	0.01555499	-0.0021325	0.72889255	0.90650187
RP23-235M8	0.00444617	0.00330581	0.00544139	-0.0021356	0.95948708	0.96982267
Gm14308	0.0044089	0.00326012	0.00539591	-0.0021358	0.9607661	0.97053465
Kif7	0.02435782	0.02727318	0.02941273	-0.0021396	0.62679785	0.90650187
Ubtf	0.59934914	0.53083112	0.53297083	-0.0021397	0.50711983	0.90650187
Gm11491	0.01360594	0.01440789	0.01654863	-0.0021407	0.71738365	0.90650187
6030498E09I	0.00411025	0.00289006	0.00503143	-0.0021414	0.97075724	0.97777172
Cdh15	0.00849237	0.0082222	0.01036483	-0.0021426	0.82095247	0.9092537
Tmem117	0.00414507	0.00292887	0.00507393	-0.0021451	0.96990722	0.97717124
Platr26	0.00794283	0.00755181	0.00969774	-0.0021459	0.83737586	0.91109492
Opa1	0.21441776	0.22878915	0.23093664	-0.0021475	0.51648754	0.90650187
Arhgap8	0.00960052	0.00956049	0.01170854	-0.0021481	0.79263343	0.90681274
Ablim3	0.00528995	0.00432228	0.00647034	-0.0021481	0.9300114	0.95045739
Adamtsl4	0.03480254	0.0395835	0.04173328	-0.0021498	0.59056694	0.90650187
Smc1b	0.00529831	0.00433066	0.00648052	-0.0021499	0.92986647	0.95037317
Gm12089	0.00483285	0.00376275	0.00591307	-0.0021503	0.9470252	0.96112498
Slc25a47	0.02031409	0.02244502	0.0245964	-0.0021514	0.65130454	0.90650187
Otoa	0.00479132	0.00370766	0.00586243	-0.0021548	0.94887118	0.96195723
BC037039	0.01603275	0.01731278	0.01946846	-0.0021557	0.68872794	0.90650187
Gnl3l	0.30065191	0.30701754	0.30917767	-0.0021601	0.51238922	0.90650187
Gm6712	0.01229728	0.01280915	0.01497014	-0.002161	0.73947894	0.90650187
Pcdhb5	0.01257613	0.01314515	0.01530672	-0.0021616	0.73493115	0.90650187
Slc2a9	0.00491352	0.00384549	0.00601144	-0.002166	0.9453973	0.95992147
Creb3l4	0.01413421	0.01501708	0.01718504	-0.002168	0.71254345	0.90650187
Mrs2	0.04362924	0.0498442	0.05201263	-0.0021684	0.57351859	0.90650187
Msantd1	0.00720614	0.00663356	0.00880266	-0.0021691	0.86334221	0.91966818
Oas1c	0.0122182	0.01270555	0.01487467	-0.0021691	0.74160052	0.90650187

1700049E15I	0.01495281	0.0160008	0.01817031	-0.0021695	0.70222102	0.90650187
Uckl1os	0.01479954	0.01581588	0.01798592	-0.00217	0.70414888	0.90650187
Zfp599	0.03785821	0.04313522	0.04530546	-0.0021702	0.58431882	0.90650187
Scx	0.02218178	0.02465324	0.02682418	-0.0021709	0.64049883	0.90650187
Efhd1	0.01045476	0.0105716	0.01274299	-0.0021714	0.77563268	0.90650187
Slc27a2	0.00472476	0.00360925	0.00578125	-0.002172	0.95256069	0.96448911
Cort	0.01125931	0.01154143	0.01371617	-0.0021747	0.75955268	0.90650187
Pdk2	0.18112543	0.19653703	0.19871352	-0.0021765	0.51941773	0.90650187
Matk	0.00743867	0.00690539	0.00908528	-0.0021799	0.85693824	0.91689436
Gm44195	0.00838793	0.00805513	0.01023809	-0.002183	0.82840719	0.9096066
Tssk6	0.0084238	0.00809745	0.01028161	-0.0021842	0.82751681	0.90947782
Zfp786	0.01805597	0.01971022	0.02189543	-0.0021852	0.67136351	0.90650187
Slc19a3	0.00768006	0.00719233	0.00937857	-0.0021862	0.84997271	0.91472107
Ankrd31	0.00843537	0.00810825	0.01029566	-0.0021874	0.82754613	0.90947782
Prr18	0.00446836	0.00328034	0.00546846	-0.0021881	0.96236729	0.971442
Dnd1	0.00478156	0.00365957	0.00585052	-0.002191	0.9520266	0.96414257
Gm11100	0.0120012	0.01242088	0.01461263	-0.0021917	0.74754881	0.90650187
1700064M15	0.00407019	0.00279073	0.00498253	-0.0021918	0.97474422	0.98054972
Mgat4c	0.01470374	0.01567786	0.01787065	-0.0021928	0.7072923	0.90650187
Tnfrsf19	0.03090267	0.03495831	0.03715307	-0.0021948	0.60357697	0.90650187
Gm11665	0.00514494	0.00409864	0.00629358	-0.0021949	0.9394826	0.95608724
Col19a1	0.00453919	0.00335953	0.00555489	-0.0021954	0.96053716	0.97043237
Fmo4	0.00455185	0.0033747	0.00557032	-0.0021956	0.96013869	0.9701425
Xrra1	0.00448934	0.0032983	0.00549406	-0.0021958	0.96219365	0.97133123
Apobec4	0.00436233	0.00314145	0.00533909	-0.0021976	0.96636556	0.97444265
Rbfox3	0.07745097	0.08811697	0.0903148	-0.0021978	0.54307537	0.90650187
Gm20109	0.00451832	0.00332974	0.00552942	-0.0021997	0.96151301	0.97096654
Rbm14	0.32988199	0.33191884	0.33411868	-0.0021998	0.5116753	0.90650187
Pgpep1l	0.00514835	0.00409785	0.00629774	-0.0021999	0.93977826	0.95632409
Rgs6	0.00526953	0.0042432	0.00644545	-0.0022023	0.93561319	0.9537321

Mak	0.01042457	0.01050302	0.01270645	-0.0022034	0.77962055	0.90650187
Tspan2os	0.01047716	0.0105653	0.0127701	-0.0022048	0.77862167	0.90650187
Rbm3os	0.01621516	0.01748246	0.01968754	-0.0022051	0.69073199	0.90650187
A430105J06F	0.03693713	0.04202494	0.04423021	-0.0022053	0.58770806	0.90650187
Zfp341	0.03141702	0.03555319	0.03775852	-0.0022053	0.60243323	0.90650187
Vwa3b	0.00751758	0.00697495	0.00918117	-0.0022062	0.85730089	0.9170242
Gm27204	0.00527869	0.00424836	0.00645661	-0.0022082	0.93580212	0.95373281
Gm4724	0.00977108	0.00970689	0.01191518	-0.0022083	0.79500821	0.90731056
Gm17767	0.00651306	0.00575106	0.00795977	-0.0022087	0.89132133	0.93118847
9030407P20I	0.0136154	0.01435058	0.01656003	-0.0022095	0.72345494	0.90650187
Fam107a	0.00458061	0.00339526	0.0056054	-0.0022101	0.96018643	0.9701425
Ptgfr	0.004931	0.00382201	0.00603275	-0.0022107	0.94835612	0.96189773
Pcdhgb5	0.01001671	0.0100008	0.01221267	-0.0022119	0.78963496	0.90650187
Sftpd	0.01582142	0.01699982	0.01921458	-0.0022148	0.69582176	0.90650187
Hist1h2bj	0.00901776	0.00878693	0.01100215	-0.0022152	0.81463216	0.9092537
Pqlc3	0.03088529	0.03491671	0.03713261	-0.0022159	0.60460788	0.90650187
D630011A20	0.01143257	0.0117076	0.01392561	-0.002218	0.76055157	0.90650187
Lrrc71	0.00789167	0.00741264	0.0096356	-0.002223	0.84746318	0.9143112
Atcayos	0.0046726	0.00349439	0.00571763	-0.0022232	0.95806216	0.9685112
Hdx	0.00752044	0.00695743	0.00918465	-0.0022272	0.85949029	0.91800029
Amigo3	0.00952126	0.00938367	0.0116125	-0.0022288	0.80324355	0.90882608
Syng3	0.00745464	0.00687579	0.00910469	-0.0022289	0.86177305	0.9188337
Abcc10	0.01084758	0.01098817	0.01321828	-0.0022301	0.7733831	0.90650187
9330136K24I	0.00810516	0.00766053	0.00989484	-0.0022343	0.84227303	0.91251845
Rqcd1	0.12538418	0.13975745	0.14199196	-0.0022345	0.5278872	0.90650187
Stk32c	0.01115732	0.01135824	0.01359286	-0.0022346	0.7675628	0.90650187
Pddc1	0.67725236	0.57951525	0.58175043	-0.0022352	0.50681391	0.90650187
Slc39a5	0.00684986	0.00613366	0.00836947	-0.0022358	0.88250308	0.92703446
Gm17619	0.00520454	0.00412989	0.00636624	-0.0022363	0.94081628	0.95711708
Dlgap2	0.00845497	0.00808036	0.01031945	-0.0022391	0.83262604	0.91029548

Ano9	0.00760709	0.00705079	0.00928992	-0.0022391	0.85803156	0.91737198
Rasl10b	0.00921751	0.00900338	0.01124434	-0.002241	0.81218988	0.9092537
4931429I11R	0.00813121	0.00768548	0.00992646	-0.002241	0.8422225	0.91251845
Gm27010	0.00415713	0.00284547	0.00508865	-0.0022432	0.97498538	0.98066253
Gnat2	0.01194608	0.01230261	0.01454606	-0.0022434	0.75353264	0.90650187
Cbln1	0.00445499	0.00320824	0.00545215	-0.0022439	0.96634892	0.97444265
Rpl21-ps4	0.00835268	0.00794805	0.0101953	-0.0022473	0.83643283	0.91085431
Asgr2	0.00521412	0.00413023	0.00637791	-0.0022477	0.94140812	0.95746988
Hist1h3i	0.00751257	0.0069258	0.00917508	-0.0022493	0.86210941	0.91899895
Gpbar1	0.00657896	0.00578719	0.00803994	-0.0022528	0.89355102	0.93186533
Cyp2j9	0.00819022	0.00774521	0.0099981	-0.0022529	0.84176488	0.91251845
Gm4349	0.01222974	0.01263436	0.0148886	-0.0022542	0.7495571	0.90650187
Kif26b	0.02426165	0.02704155	0.0292985	-0.0022569	0.63399683	0.90650187
Gpld1	0.02217806	0.02456243	0.02681974	-0.0022573	0.64586095	0.90650187
Prss23os	0.01025009	0.01023709	0.01249525	-0.0022582	0.78913287	0.90650187
Adgrb1	0.01065931	0.0107321	0.01299052	-0.0022584	0.78020149	0.90650187
Zfp825	0.10412346	0.11712462	0.11938343	-0.0022588	0.53351706	0.90650187
Sctr	0.00436916	0.00308786	0.00534742	-0.0022596	0.9698436	0.97717124
Zfp846	0.04200744	0.04787226	0.05013292	-0.0022607	0.57944245	0.90650187
Fam131b	0.01052563	0.01056518	0.01282875	-0.0022636	0.78359902	0.90650187
Krt20	0.00484189	0.0036597	0.00592409	-0.0022644	0.95536518	0.96651455
C77370	0.02117903	0.0233634	0.02562879	-0.0022654	0.65282437	0.90650187
Gal	0.00506924	0.00393526	0.00620131	-0.0022661	0.94786453	0.9616629
Trpm2	0.02506712	0.027986	0.03025487	-0.0022689	0.63057801	0.90650187
Prkcg	0.00734393	0.0066994	0.00897014	-0.0022707	0.86978623	0.92149177
Gm17399	0.01245788	0.01289085	0.01516401	-0.0022732	0.74742843	0.90650187
Gm43573	0.00679388	0.00602721	0.00830139	-0.0022742	0.88836578	0.93003087
Vgll4	0.52519038	0.48096845	0.4832442	-0.0022758	0.50835156	0.90650187
4930480K23I	0.01282202	0.01332399	0.01560341	-0.0022794	0.74197169	0.90650187
Trim6	0.01193162	0.01224884	0.01452859	-0.0022797	0.75728019	0.90650187

R3hcc1	0.31022787	0.31515205	0.31743185	-0.0022798	0.51273547	0.90650187
Ambra1	0.12899966	0.14350046	0.14578127	-0.0022808	0.52772543	0.90650187
Cxx1c	0.00803449	0.00752786	0.00980903	-0.0022812	0.8493999	0.91455786
Ankrd1	0.00427493	0.00295083	0.00523243	-0.0022816	0.97371919	0.97994563
Fmn1	0.00870366	0.00833851	0.01062119	-0.0022827	0.8303223	0.90980532
Mterf1b	0.01264769	0.01310721	0.01539308	-0.0022859	0.74542785	0.90650187
4631405K08I	0.00491882	0.00373166	0.0060179	-0.0022862	0.95438232	0.9658832
Sidt1	0.00822352	0.00774545	0.01003853	-0.0022931	0.84506645	0.91332066
H2afj	1.23701426	0.83111485	0.83341152	-0.0022967	0.5048873	0.90650187
A830039N20	0.01701616	0.01835213	0.02064895	-0.0022968	0.68952059	0.90650187
Cyp46a1	0.01795155	0.01947297	0.02177033	-0.0022974	0.68051289	0.90650187
Wfs1	0.37376369	0.36788374	0.37018187	-0.0022981	0.51100894	0.90650187
Gm38394	0.00487738	0.00366924	0.00596737	-0.0022981	0.95655887	0.96718447
Zfp384	0.06084022	0.0694142	0.07171511	-0.0023009	0.55671011	0.90650187
Slc12a5	0.02614787	0.02923532	0.03153649	-0.0023012	0.62717822	0.90650187
Tpcn2	0.04923801	0.05618112	0.05848238	-0.0023013	0.56943387	0.90650187
Ankrd29	0.01854469	0.02017904	0.02248069	-0.0023016	0.67550161	0.90650187
Gm29096	0.00969852	0.00952473	0.01182727	-0.0023025	0.80661051	0.9092537
Gm26682	0.01359709	0.01423222	0.01653797	-0.0023058	0.73230989	0.90650187
Abcg5	0.00439391	0.00307141	0.00537762	-0.0023062	0.97170806	0.97859641
Ankef1	0.00745499	0.00679786	0.00910511	-0.0023072	0.87002797	0.92162336
Bhlhe41	0.03016712	0.03397731	0.03628654	-0.0023092	0.61137833	0.90650187
Gpr135	0.00429997	0.00295197	0.00526298	-0.002311	0.97453672	0.98047076
Cyp4f14	0.00306434	0.00144221	0.00375377	-0.0023116	0.99690545	0.9972991
Ints4	0.16060184	0.17593276	0.17824468	-0.0023119	0.52299096	0.90650187
Spa17	0.24426095	0.25652342	0.25883774	-0.0023143	0.51585343	0.90650187
A930024N18	0.00481618	0.00357738	0.00589274	-0.0023154	0.95966019	0.96993315
6430531B16I	0.00994876	0.00981497	0.01213039	-0.0023154	0.80193848	0.90850103
Cacnb1	0.04835517	0.05515098	0.05746719	-0.0023162	0.5711018	0.90650187
Zfp493	0.01708697	0.01841714	0.02073388	-0.0023167	0.69031306	0.90650187

Pxk	0.24799391	0.25994717	0.26226497	-0.0023178	0.51566983	0.90650187
1700028J19F	0.00652601	0.0056558	0.00797553	-0.0023197	0.90199984	0.93591959
C330013E15I	0.02322901	0.02575077	0.02807087	-0.0023201	0.6433534	0.90650187
Gm26876	0.00977453	0.00959886	0.01191935	-0.0023205	0.8066125	0.9092537
Hspbap1	0.04790512	0.05462851	0.05694921	-0.0023207	0.57187892	0.90650187
Gm17518	0.01331007	0.01387073	0.016192	-0.0023213	0.73804154	0.90650187
Gm26606	0.00430537	0.00294718	0.00526957	-0.0023224	0.97495849	0.98066253
Nagpa	0.1187841	0.13270998	0.13503291	-0.0023229	0.53047999	0.90650187
Rcan3	0.30459025	0.31025782	0.31258226	-0.0023244	0.51318607	0.90650187
Glmn	0.21680616	0.23087856	0.23320327	-0.0023247	0.51767396	0.90650187
Gm6878	0.00480152	0.00354741	0.00587486	-0.0023274	0.96089941	0.97060482
Kcnt1	0.0073997	0.00671034	0.00903792	-0.0023276	0.87387421	0.9235672
Tnfrsf10b	0.03084169	0.03475354	0.03708126	-0.0023277	0.60990331	0.90650187
Adgrg3	0.00988159	0.00971982	0.01204904	-0.0023292	0.80493681	0.90882608
Dedd	0.31406166	0.31838426	0.32071375	-0.0023295	0.51287981	0.90650187
Gm11716	0.01279683	0.0132431	0.01557302	-0.0023299	0.7470129	0.90650187
Cby3	0.00445229	0.00311588	0.00544886	-0.002333	0.97150759	0.97845935
Gm11266	0.02441174	0.02714202	0.02947678	-0.0023348	0.63762637	0.90650187
Myo5b	0.04763068	0.05429691	0.05663321	-0.0023363	0.57275604	0.90650187
Hist4h4	0.00967201	0.00945726	0.01179516	-0.0023379	0.81088408	0.9092537
Ogdhl	0.00426267	0.00287943	0.00521746	-0.002338	0.97682254	0.98199057
Cog3	0.09581548	0.10808076	0.11041884	-0.0023381	0.53749871	0.90650187
Fgf11	0.02325387	0.02576236	0.02810045	-0.0023381	0.64426979	0.90650187
Nog	0.01299865	0.01347832	0.01581648	-0.0023382	0.74447251	0.90650187
9130011E15I	0.01913301	0.0208463	0.02318472	-0.0023384	0.67306216	0.90650187
P2rx6	0.00462526	0.00332035	0.00565988	-0.0023395	0.96693967	0.97480297
Kcnh6	0.05793784	0.06608406	0.0684237	-0.0023396	0.56041055	0.90650187
Ptchd1	0.00711504	0.0063519	0.00869192	-0.00234	0.88431505	0.9278081
Nccrp1	0.00441975	0.00306898	0.00540915	-0.0023402	0.97277951	0.97935527
RP23-2D23.2	0.00451108	0.0031802	0.00552059	-0.0023404	0.97026207	0.97741232

Obfc1	0.20101502	0.21576352	0.21810728	-0.0023438	0.51905104	0.90650187
Tchh	0.03627695	0.04111	0.04345872	-0.0023487	0.59493654	0.90650187
Depdc1b	0.0056997	0.00461872	0.00696958	-0.0023509	0.93313007	0.95210835
Mrps22	0.26222609	0.27285296	0.27520401	-0.0023511	0.51514763	0.90650187
Lrig2	0.07938976	0.0901079	0.09245975	-0.0023518	0.54501661	0.90650187
Serpina3g	0.00942072	0.00913736	0.01149066	-0.0023533	0.81871105	0.9092537
Golph3l	0.23286242	0.2459336	0.24828742	-0.0023538	0.51680853	0.90650187
Sec16b	0.06474356	0.07376746	0.07612203	-0.0023546	0.554686	0.90650187
Sstr1	0.01325814	0.01377475	0.01612939	-0.0023546	0.74182748	0.90650187
Dgkb	0.01584924	0.01689109	0.01924801	-0.0023569	0.70690506	0.90650187
Mbnl3	0.01424241	0.01495766	0.01731534	-0.0023577	0.72751656	0.90650187
Hist1h1d	0.00779365	0.00715758	0.00951655	-0.002359	0.86476475	0.92040222
Tmprss7	0.00925322	0.0089284	0.01128763	-0.0023592	0.82360133	0.9092537
Gm12088	0.00441574	0.00304411	0.00540426	-0.0023601	0.97390002	0.9799599
Hapln1	0.02378206	0.02636743	0.02872856	-0.0023611	0.64258416	0.90650187
Cc2d2b	0.01292269	0.01336215	0.01572485	-0.0023627	0.74792168	0.90650187
Gm14305	0.24846484	0.26033039	0.26269624	-0.0023659	0.51596833	0.90650187
Cacna1e	0.0106641	0.01062976	0.01299631	-0.0023666	0.79089173	0.90650187
Zpbp2	0.0032721	0.00163988	0.00400772	-0.0023678	0.99568719	0.99633807
Parp11	0.08405072	0.09522623	0.09759441	-0.0023682	0.54295247	0.90650187
Fbxl19	0.11326062	0.12679727	0.12916808	-0.0023708	0.53251616	0.90650187
Dll1	0.04077175	0.04632683	0.04869802	-0.0023712	0.58568707	0.90650187
Fadd	0.11239394	0.12587262	0.12824443	-0.0023718	0.53276381	0.90650187
Gm28727	0.0126786	0.01305852	0.01543038	-0.0023719	0.75280687	0.90650187
Ak6	0.42157496	0.40532635	0.40770022	-0.0023739	0.51032543	0.90650187
A730056A06	0.00625042	0.00526626	0.00764014	-0.0023739	0.91640696	0.94231902
Macrodl	0.24365438	0.25590309	0.25827954	-0.0023765	0.51631393	0.90650187
Srsf4	0.47765353	0.44713624	0.44951564	-0.0023794	0.50938692	0.90650187
Map3k6	0.04117667	0.04678767	0.04916847	-0.0023808	0.58521849	0.90650187
Cebpb	0.00702283	0.00619854	0.00857981	-0.0023813	0.89137053	0.93118847

Magee2	0.0100272	0.0098435	0.01222538	-0.0023819	0.80679339	0.9092537
4732491K20I	0.03097487	0.03485344	0.03723809	-0.0023847	0.61205825	0.90650187
Lins1	0.08404247	0.09520048	0.09758534	-0.0023849	0.54325798	0.90650187
Fam124a	0.02459891	0.02731409	0.02969907	-0.002385	0.63945531	0.90650187
Spaca7	0.00389515	0.00238293	0.00476882	-0.0023859	0.98693194	0.98979696
Rab26	0.01437256	0.01508571	0.01747203	-0.0023863	0.72813386	0.90650187
2610020C07I	0.02859464	0.03204382	0.03443118	-0.0023874	0.62105241	0.90650187
Ap5b1	0.00774975	0.00707486	0.00946323	-0.0023884	0.8690688	0.92141903
Armc4	0.00441621	0.00301506	0.00540483	-0.0023898	0.97533043	0.98094468
Tfcp2l1	0.01852032	0.02006141	0.02245151	-0.0023901	0.68198682	0.90650187
Rgma	0.12403742	0.13818609	0.14057633	-0.0023902	0.53012707	0.90650187
Slc26a8	0.00424775	0.00280839	0.00519926	-0.0023909	0.97953814	0.98452521
Zfp365	0.00748419	0.00674876	0.00914059	-0.0023918	0.87764329	0.92482217
Prox2	0.02260571	0.02493373	0.02732906	-0.0023953	0.65160166	0.90650187
Rsph4a	0.01088455	0.01086627	0.01326299	-0.0023967	0.78911522	0.90650187
Pcdh10	0.00994396	0.00972712	0.01212457	-0.0023975	0.81031366	0.9092537
RP23-455C1E	0.00941188	0.00908152	0.01147994	-0.0023984	0.82349996	0.9092537
Prx	0.01515077	0.01600907	0.01840841	-0.0023993	0.71885339	0.90650187
Ltv1	0.42435056	0.40742377	0.40982374	-0.0024	0.51038487	0.90650187
Gm43159	0.01082247	0.01078786	0.0131879	-0.0024	0.79075588	0.90650187
Gm26583	0.00361411	0.00202412	0.00442558	-0.0024015	0.99207455	0.99410187
Pura	0.59361086	0.52683985	0.5292427	-0.0024029	0.50805164	0.90650187
Calr3	0.01290202	0.01329649	0.01569992	-0.0024034	0.75192482	0.90650187
Gm44210	0.0109788	0.01097088	0.01337699	-0.0024061	0.78803733	0.90650187
Apod	0.01548857	0.01640755	0.01881456	-0.002407	0.71523407	0.90650187
B3gnt2	0.00974715	0.00947703	0.01188619	-0.0024092	0.81622228	0.9092537
Ppp2r2c	0.00855562	0.00803094	0.01044158	-0.0024106	0.84763711	0.9143112
Eci3	0.01981197	0.02158362	0.02399651	-0.0024129	0.67256716	0.90650187
Reep1	0.05056941	0.05759749	0.06001115	-0.0024137	0.57095366	0.90650187
Gm20633	0.00427117	0.00281273	0.00522784	-0.0024151	0.97999949	0.98492378

Tmem169	0.01994694	0.02174266	0.0241578	-0.0024151	0.67163877	0.90650187
Tnfrsf9	0.0036543	0.00205928	0.00447468	-0.0024154	0.99179576	0.99395355
Cndp1	0.01043387	0.01030183	0.0127177	-0.0024159	0.80080301	0.90809448
Tmem179	0.00759022	0.00685182	0.00926942	-0.0024176	0.87687024	0.92473192
Stac2	0.00386244	0.00231094	0.00472887	-0.0024179	0.98848984	0.99109782
Gm15537	0.0152606	0.01612148	0.01854048	-0.002419	0.71905104	0.90650187
Cyp2d26	0.00446509	0.00304515	0.00546448	-0.0024193	0.97547954	0.98096484
Slc25a48	0.00409004	0.00258719	0.00500675	-0.0024196	0.98415845	0.98786269
Gm5784	0.02863266	0.03205575	0.03447609	-0.0024203	0.62251629	0.90650187
Ccnf	0.05431664	0.06187909	0.06429953	-0.0024204	0.56645161	0.90650187
Slc17a4	0.01112672	0.01113369	0.01355586	-0.0024222	0.78650237	0.90650187
Cpne7	0.00682394	0.00591422	0.00833795	-0.0024237	0.90186945	0.93591959
Ttc27	0.10796323	0.12108053	0.12350795	-0.0024274	0.53481287	0.90650187
Grem2	0.01093576	0.01089745	0.01332493	-0.0024275	0.79099623	0.90650887
Kiss1r	0.00794508	0.00727242	0.00970046	-0.002428	0.86709069	0.92056229
Gm4262	0.00407032	0.00255257	0.00498268	-0.0024301	0.98492714	0.98821581
Npas2	0.00373892	0.00214681	0.00457803	-0.0024312	0.99088453	0.99323677
Gm29361	0.00425309	0.00277065	0.00520578	-0.0024351	0.98121599	0.98582773
Gm12002	0.00352807	0.00188497	0.00432048	-0.0024355	0.99389553	0.99513937
Slc26a6	0.0268628	0.0299474	0.03238328	-0.0024359	0.63096102	0.90650187
Zfp3	0.05062883	0.05764334	0.06007931	-0.002436	0.57152227	0.90650187
Pld6	0.01299546	0.01337386	0.01581262	-0.0024388	0.75352977	0.90650187
Tnnt3	0.00914257	0.00871461	0.01115349	-0.0024389	0.83449943	0.91062493
Yme1l1	0.76622963	0.63114016	0.63357907	-0.0024389	0.50682678	0.90650187
Adnp	0.00423059	0.00273882	0.00517831	-0.0024395	0.98188418	0.9862311
Tmem183a	0.53342899	0.48649445	0.4889377	-0.0024432	0.50886174	0.90650187
Magix	0.00416603	0.00265538	0.00509951	-0.0024441	0.98344411	0.98734125
Dpysl5	0.02100567	0.02297642	0.02542196	-0.0024455	0.66555033	0.90650187
Fbxl21	0.01220624	0.01241362	0.01486023	-0.0024466	0.76789443	0.90650187
Timm8a1	0.04029562	0.04569715	0.0481445	-0.0024473	0.58939351	0.90650187

Glod5	0.00945491	0.00908359	0.0115321	-0.0024485	0.8273884	0.90947782
Mtfr2	0.00941145	0.00903063	0.01147942	-0.0024488	0.82852145	0.9096066
Gm527	0.00410331	0.00257207	0.00502296	-0.0024509	0.98496532	0.98821581
Adamts19	0.01367393	0.01417945	0.01663057	-0.0024511	0.74383735	0.90650187
Gm26908	0.00642988	0.00540632	0.00785856	-0.0024522	0.91731495	0.94283706
Gm26852	0.03213549	0.03614995	0.03860354	-0.0024536	0.61124146	0.90650187
Alg9	0.1466025	0.16155339	0.16400841	-0.002455	0.52652826	0.90650187
Ccdc28b	0.63607093	0.55392665	0.55638381	-0.0024572	0.50783198	0.90650187
Clcn4	0.55438653	0.50076765	0.50322659	-0.0024589	0.50866545	0.90650187
Nol11	0.3487545	0.34736423	0.34982702	-0.0024628	0.51248374	0.90650187
RP23-361O1	0.00423552	0.00272126	0.00518433	-0.0024631	0.98266109	0.98681583
Gm14443	0.01094859	0.01087736	0.01334045	-0.0024631	0.79412195	0.90731056
Amer3	0.00390727	0.00231623	0.00478361	-0.0024674	0.98907719	0.99155592
Ppil3	0.30008044	0.30621419	0.30868251	-0.0024683	0.51417881	0.90650187
Rasgrp1	0.00641484	0.00537017	0.00784025	-0.0024701	0.9193323	0.94392235
Corin	0.00405706	0.0024942	0.00496649	-0.0024723	0.98655111	0.98954559
Gm12359	0.00416501	0.00262339	0.00509826	-0.0024749	0.98453806	0.98811323
Glb1l	0.04993887	0.05681214	0.05928747	-0.0024753	0.5736247	0.90650187
Fam221b	0.02690544	0.02995802	0.03243376	-0.0024757	0.63282428	0.90650187
Spred3	0.07637495	0.08664445	0.08912205	-0.0024776	0.54917924	0.90650187
Cabin1	0.32353662	0.32628992	0.32876901	-0.0024791	0.51337094	0.90650187
Gad1os	0.00681494	0.00584645	0.008327	-0.0024806	0.90730088	0.93809554
Prodh2	0.02838822	0.03170363	0.03418733	-0.0024837	0.62664215	0.90650187
2010308F09I	0.02464848	0.02727367	0.02975793	-0.0024843	0.64472938	0.90650187
Col2a1	0.00637028	0.00530005	0.00778603	-0.002486	0.9221127	0.94549985
Gm16853	0.00958798	0.00920727	0.01169335	-0.0024861	0.82771287	0.90947782
Xpnpep2	0.02089646	0.02280453	0.02529165	-0.0024871	0.66900589	0.90650187
3830408C21I	0.0081079	0.0074082	0.00989817	-0.00249	0.86828754	0.92093489
Fam217a	0.0139072	0.01442142	0.01691161	-0.0024902	0.74363906	0.90650187
9230105E05I	0.00713951	0.00622966	0.00872167	-0.002492	0.89799815	0.9343964

Gm26802	0.00793054	0.00719078	0.00968281	-0.002492	0.8737195	0.9235672
Slc35f2	0.00691667	0.00595864	0.00845072	-0.0024921	0.9050691	0.93712658
Pcdhga11	0.0102574	0.01000998	0.0125041	-0.0024941	0.81239055	0.9092537
Lrrtm4	0.01266244	0.01291543	0.01541088	-0.0024954	0.7641966	0.90650187
Creb3	0.72601876	0.60814313	0.61064095	-0.0024978	0.50725422	0.90650187
Phldb1	0.16460637	0.1797778	0.18227576	-0.002498	0.52429009	0.90650187
Gm11772	0.01787089	0.01917194	0.0216737	-0.0025018	0.69607652	0.90650187
4430402118R	0.00737222	0.00650081	0.00900453	-0.0025037	0.89179008	0.93134318
BC051628	0.00799857	0.00726088	0.00976542	-0.0025045	0.8728911	0.92289911
A430046D13	0.01912615	0.02066844	0.02317651	-0.0025081	0.68477205	0.90650187
Ttc39c	0.0245327	0.02710919	0.02962044	-0.0025112	0.64687693	0.90650187
Gm15445	0.00766526	0.00684927	0.00936059	-0.0025113	0.88350575	0.92767795
Erich2os	0.01136006	0.01132032	0.01383797	-0.0025177	0.79069227	0.90650187
Tex40	0.00693699	0.00595567	0.00847543	-0.0025198	0.90686381	0.9379403
Npm2	0.00715556	0.00621981	0.00874118	-0.0025214	0.90013553	0.93499868
RP24-274B1	0.01008756	0.0097767	0.01229847	-0.0025218	0.81899978	0.9092537
Cfap73	0.01251711	0.01271309	0.0152355	-0.0025224	0.76914085	0.90650187
Rrn3	0.21472745	0.22870652	0.23123087	-0.0025244	0.51935417	0.90650187
Acat3	0.00674944	0.00572264	0.00824733	-0.0025247	0.91322717	0.94082155
Ccdc116	0.01078966	0.01062102	0.01314821	-0.0025272	0.80358004	0.90882608
Slc25a36	0.43430376	0.41486401	0.41739211	-0.0025281	0.51074083	0.90650187
Acta1	0.00716839	0.00622797	0.00875678	-0.0025288	0.90039672	0.93504361
Pcdhb21	0.01818701	0.01952124	0.02205239	-0.0025311	0.69506597	0.90650187
3300002108R	0.02438312	0.0269116	0.0294428	-0.0025312	0.64883928	0.90650187
Cntn1	0.02969463	0.0331936	0.03572946	-0.0025359	0.62381739	0.90650187
Gm9776	0.09134219	0.10302909	0.10556541	-0.0025363	0.54253023	0.90650187
Tmem198b	0.15109867	0.16605809	0.16860555	-0.0025475	0.5267763	0.90650187
Sema3a	0.0501417	0.05697259	0.05952033	-0.0025477	0.57546	0.90650187
Cyp2r1	0.00726667	0.00632746	0.00887624	-0.0025488	0.89911805	0.93440169
Zfp85os	0.00738017	0.00646462	0.00901419	-0.0025496	0.8956944	0.93320429

Lrif1	0.30518386	0.31054408	0.31309422	-0.0025501	0.51444226	0.90650187
Lrrc74b	0.01256667	0.01274497	0.0152953	-0.0025503	0.77073207	0.90650187
Ifitm10	0.01001594	0.00965765	0.01221174	-0.0025541	0.82376318	0.9092537
Sdhaf1	0.46403096	0.43701061	0.43956572	-0.0025551	0.51030807	0.90650187
Exoc3l4	0.05211251	0.05922236	0.06177965	-0.0025573	0.5730013	0.90650187
Gata4	0.01017714	0.00984774	0.01240693	-0.0025592	0.82042807	0.9092537
P2rx4	0.24540644	0.2573295	0.25989091	-0.0025614	0.51747389	0.90650187
Arpp21	0.00993878	0.00955533	0.0121183	-0.002563	0.826449	0.90947782
Kcnh7	0.0275476	0.03062927	0.03319362	-0.0025643	0.63436702	0.90650187
Ifnk	0.00602547	0.00480052	0.0073663	-0.0025658	0.93924461	0.95593613
Lef1	0.01236225	0.01248239	0.01504858	-0.0025662	0.77580319	0.90650187
Slc46a2	0.0105305	0.01026527	0.01283465	-0.0025694	0.81325877	0.9092537
Chn1os3	0.01283484	0.01304927	0.01561889	-0.0025696	0.7677296	0.90650187
Gsto2	0.02752771	0.03059922	0.0331701	-0.0025709	0.63478749	0.90650187
Parp3	0.02521375	0.02785639	0.03042886	-0.0025725	0.64647977	0.90650187
Gm16008	0.00753492	0.00662579	0.00920224	-0.0025764	0.89337589	0.93181736
Dnmt3bos	0.00736707	0.00641704	0.00899827	-0.0025812	0.89889105	0.93440169
Sh3tc2	0.01417508	0.01465051	0.01723426	-0.0025838	0.74744887	0.90650187
Zcchc17	0.71405032	0.60107776	0.60366251	-0.0025847	0.50759343	0.90650187
Hnf4g	0.00677184	0.00568677	0.00827457	-0.0025878	0.9177852	0.94297078
Cmya5	0.01240449	0.01250656	0.01509956	-0.002593	0.77739636	0.90650187
4930590J08F	0.00717869	0.00617157	0.0087693	-0.0025977	0.90606767	0.93764958
Dgkg	0.01869505	0.02006132	0.02266067	-0.0025994	0.69495494	0.90650187
Lrp8os2	0.00701415	0.00596814	0.00856925	-0.0026011	0.91139899	0.94034997
Gm26901	0.00734521	0.00636522	0.0089717	-0.0026065	0.90174314	0.93591959
H2-Eb1	0.0147904	0.01536832	0.01797492	-0.0026066	0.74043011	0.90650187
Prr5l	0.04214535	0.04768217	0.05029291	-0.0026107	0.59125503	0.90650187
Gramd1a	0.45317148	0.4289282	0.43153949	-0.0026113	0.51073057	0.90650187
Ccdc40	0.02858506	0.031805	0.03441986	-0.0026149	0.63221717	0.90650187
Copg1	1.01101603	0.75261657	0.75523317	-0.0026166	0.50614442	0.90650187

Hhat	0.04057988	0.04585659	0.048475	-0.0026184	0.59488629	0.90650187
Tdtd5	0.0071392	0.00610248	0.00872129	-0.0026188	0.90904839	0.93919616
Fstl5	0.00711481	0.00607005	0.00869164	-0.0026216	0.91002264	0.93950381
Lrp1b	0.00661529	0.00546255	0.00808414	-0.0026216	0.92530096	0.94735258
Ift80	0.12379811	0.13769739	0.14032453	-0.0026271	0.53316574	0.90650187
Snx8	0.17555007	0.19057134	0.19320004	-0.0026287	0.5241163	0.90650187
Efhc1	0.03911988	0.04414179	0.04677617	-0.0026344	0.59884999	0.90650187
Fancb	0.02365618	0.02594176	0.02857891	-0.0026372	0.65917891	0.90650187
Stxbp3	0.30823398	0.31308123	0.31571988	-0.0026386	0.51481907	0.90650187
Rorb	0.01070502	0.01040254	0.01304581	-0.0026433	0.81613837	0.9092537
Gm5616	0.00752481	0.00654413	0.00918996	-0.0026458	0.89971118	0.93469858
Actr2	0.79592623	0.64738339	0.65002995	-0.0026466	0.50722047	0.90650187
Pde7a	0.11007906	0.12312581	0.12577284	-0.002647	0.53727167	0.90650187
C2cd4b	0.04483416	0.05075905	0.05340655	-0.0026475	0.5872124	0.90650187
Nacad	0.00688621	0.00576504	0.00841368	-0.0026486	0.91916581	0.94387891
Tmco4	0.01375168	0.01407499	0.01672425	-0.0026493	0.75935229	0.90650187
B230303O12	0.01007424	0.0096319	0.01228234	-0.0026504	0.83130345	0.9098597
Tmem91	0.02041098	0.02206026	0.0247121	-0.0026518	0.68333851	0.90650187
Gm2788	0.01306078	0.0132395	0.0158914	-0.0026519	0.77091588	0.90650187
Syngap1	0.02589033	0.02857908	0.03123126	-0.0026522	0.64710774	0.90650187
Tdo2	0.01018582	0.0097591	0.01241744	-0.0026583	0.82938095	0.90974008
C230037L18F	0.01209423	0.01206535	0.01472498	-0.0026596	0.78900336	0.90650187
Mamstr	0.06888608	0.07811196	0.08077452	-0.0026626	0.55825258	0.90650187
Ikbke	0.05137135	0.05826805	0.06093067	-0.0026626	0.57701753	0.90650187
Gm9755	0.00606828	0.00475183	0.00741843	-0.0026666	0.94497832	0.95968836
Ppfia4	0.01124755	0.01103374	0.01370195	-0.0026682	0.8066733	0.9092537
Dnase1l2	0.00740248	0.006372	0.0090413	-0.0026693	0.9053235	0.93719848
Gm16062	0.0168846	0.01782175	0.02049111	-0.0026694	0.71874764	0.90650187
Scube3	0.01954612	0.02100881	0.02367873	-0.0026699	0.6919092	0.90650187
Gm26566	0.00712858	0.00603767	0.00870838	-0.0026707	0.91362078	0.94098174

Brsk2	0.01186941	0.01178165	0.01445345	-0.0026718	0.79440306	0.90731056
Hykk	0.02523576	0.02778316	0.03045498	-0.0026718	0.65173708	0.90650187
Gm15541	0.00953577	0.00895768	0.01163008	-0.0026724	0.84649788	0.91408934
Masp2	0.01416213	0.01454434	0.01721866	-0.0026743	0.7550507	0.90650187
Zscan25	0.01294527	0.01307744	0.01575209	-0.0026747	0.77483028	0.90650187
Greb1	0.0065443	0.00532266	0.00799777	-0.0026751	0.93148927	0.95113723
Mar-04	0.0533435	0.06051072	0.06318788	-0.0026772	0.57469987	0.90650187
Cacna2d4	0.0122031	0.01217596	0.01485644	-0.0026805	0.78875299	0.90650187
Wnt2	0.01016608	0.00971299	0.01239355	-0.0026806	0.83185612	0.91013901
Ccdc142os	0.02760329	0.0305757	0.03325948	-0.0026838	0.64009992	0.90650187
Abcf1	1.04390872	0.76566071	0.76834848	-0.0026878	0.5062038	0.90650187
Slc25a32	0.06040074	0.06852932	0.07121753	-0.0026882	0.56663215	0.90650187
Gm17477	0.01219156	0.01215221	0.01484251	-0.0026903	0.7898193	0.90650187
Appbp2os	0.0067969	0.00561471	0.00830505	-0.0026903	0.92508194	0.94726646
Sybu	0.0240221	0.02632255	0.02901386	-0.0026913	0.65996658	0.90650187
Adcy5	0.02212677	0.02406352	0.02675864	-0.0026951	0.67283716	0.90650187
C1rl	0.01900148	0.020329	0.02302737	-0.0026984	0.69879546	0.90650187
Gm12204	0.0073061	0.00622466	0.00892417	-0.0026995	0.91065031	0.93983499
Selenbp2	0.00833593	0.00747413	0.01017498	-0.0027008	0.88100828	0.92635898
Cntd1	0.00648868	0.00522841	0.0079301	-0.0027017	0.93505851	0.95330814
Gm7598	0.01296523	0.01307242	0.01577617	-0.0027038	0.77693943	0.90650187
Gm26982	0.01408942	0.01442454	0.0171311	-0.0027066	0.75877476	0.90650187
A930024E05	0.00702569	0.0058704	0.00858329	-0.0027129	0.92000509	0.94435798
2410004I01R	0.01743513	0.01843838	0.0211514	-0.002713	0.71573679	0.90650187
Hist1h2af	0.02000101	0.02150928	0.0242224	-0.0027131	0.69073939	0.90650187
Ell3	0.00851203	0.00766994	0.01038868	-0.0027187	0.87767151	0.92482217
Gm12758	0.00670049	0.0054662	0.00818779	-0.0027216	0.93025621	0.95057977
Zfp592	0.11110833	0.12414961	0.12687261	-0.002723	0.53800682	0.90650187
Pan2	0.08172443	0.09230473	0.09503554	-0.0027308	0.55082376	0.90650187
Fsbp	0.00666011	0.00540764	0.00813867	-0.002731	0.93212152	0.95146248

Gm996	0.00674663	0.00551214	0.00824392	-0.0027318	0.92964258	0.95027213
Npas3	0.04218868	0.04761025	0.05034318	-0.0027329	0.59535198	0.90650187
2210411M09	0.0060449	0.00465697	0.00738997	-0.002733	0.94992177	0.96276378
ErbB2ip	0.22437541	0.2376131	0.24034768	-0.0027346	0.52017005	0.90650187
1700003F12I	0.00643379	0.00512755	0.00786332	-0.0027358	0.93903115	0.95593613
Lrrc23	0.00643809	0.00513076	0.00786854	-0.0027378	0.93904489	0.95593613
Micall2	0.01815245	0.01927127	0.022011	-0.0027397	0.7099874	0.90650187
Slc12a8	0.01275759	0.01278587	0.01552569	-0.0027398	0.78363165	0.90650187
Gpr4	0.00615852	0.00478763	0.00752828	-0.0027406	0.94721284	0.96125124
Tomm40l	0.15820295	0.17307873	0.1758212	-0.0027425	0.52764167	0.90650187
Zfp947	0.01631383	0.01706333	0.01980603	-0.0027427	0.73092675	0.90650187
Lrrc20	0.01453682	0.01492627	0.01766975	-0.0027435	0.75497995	0.90650187
Cntn3	0.00704374	0.00586144	0.00860524	-0.0027438	0.92183002	0.94549985
Mlph	0.00624916	0.00489356	0.00763862	-0.0027451	0.94493405	0.95968836
Gm42477	0.00983593	0.009247	0.01199372	-0.0027467	0.84568591	0.9136218
Hist1h3e	0.01246591	0.01242285	0.0151737	-0.0027508	0.78986302	0.90650187
Tbc1d12	0.04251789	0.04797234	0.05072498	-0.0027526	0.59531727	0.90650187
Mast3	0.22769255	0.24070621	0.24345957	-0.0027534	0.52004901	0.90650187
Zfp131	0.30720804	0.31208417	0.31483763	-0.0027535	0.51550686	0.90650187
Nhs	0.07866212	0.08890115	0.09165537	-0.0027542	0.55313622	0.90650187
Ppp1r14d	0.01048007	0.01001723	0.01277362	-0.0027564	0.83129854	0.9098597
Ticrr	0.03320571	0.03710381	0.03986076	-0.0027569	0.62076024	0.90650187
Cdk6	0.1395072	0.15394695	0.15670541	-0.0027585	0.53118752	0.90650187
Gm3336	0.00629178	0.0049318	0.00769048	-0.0027587	0.94461023	0.95944274
Gm15265	0.00713918	0.00596176	0.00872126	-0.0027595	0.92023252	0.94452765
Pcdhgc5	0.01773823	0.0187536	0.02151473	-0.0027611	0.7158424	0.90650187
Fam46d	0.00680296	0.00554977	0.00831243	-0.0027627	0.93023067	0.95057977
Foxo6	0.01338021	0.01350983	0.01627656	-0.0027667	0.77507819	0.90650187
Sp7	0.01258359	0.01254373	0.01531573	-0.002772	0.78947805	0.90650187
Gm42469	0.01536851	0.01589676	0.01867023	-0.0027735	0.74550036	0.90650187

Klf8	0.01470256	0.01509403	0.01786922	-0.0027752	0.75503769	0.90650187
Tmem231	0.10592499	0.11854476	0.12132086	-0.0027761	0.54051276	0.90650187
Gad1	0.0618674	0.07009979	0.07287699	-0.0027772	0.56726421	0.90650187
D130051D11	0.02175063	0.02353296	0.02631039	-0.0027774	0.68057145	0.90650187
Zfp870	0.08158963	0.09210877	0.09488704	-0.0027783	0.55178254	0.90650187
Spag4	0.00589908	0.00442928	0.00721241	-0.0027831	0.95687061	0.96737098
Has3	0.00562332	0.00409134	0.00687653	-0.0027852	0.96411682	0.97282043
RP24-267C3.	0.01376447	0.0139544	0.01673966	-0.0027853	0.77025589	0.90650187
Tmem59l	0.00691296	0.00565999	0.00844621	-0.0027862	0.92874491	0.94980162
Nat8l	0.00499951	0.00332892	0.00611629	-0.0027874	0.97861725	0.98366467
Klhdc2	0.98810256	0.74300546	0.74579454	-0.0027891	0.50663228	0.90650187
Proca1	0.06764699	0.07659581	0.07938552	-0.0027897	0.56207192	0.90650187
Ccdc180	0.00970652	0.0090471	0.01183696	-0.0027899	0.85263217	0.91557373
Usp3	0.36854881	0.36319015	0.3659801	-0.00279	0.51351755	0.90650187
Gm16140	0.00666741	0.00535743	0.00814755	-0.0027901	0.93604488	0.953802
Chrm2	0.02097128	0.02258184	0.02538092	-0.0027991	0.68802997	0.90650187
B930036N10	0.05358991	0.06067025	0.0634695	-0.0027992	0.57772151	0.90650187
Spata2	0.07812264	0.08825671	0.0910585	-0.0028018	0.55440053	0.90650187
1190005I06R	0.03462484	0.03871808	0.0415251	-0.002807	0.61810776	0.90650187
Gm37459	0.00712843	0.00589761	0.00870819	-0.0028106	0.9243313	0.94682419
Ccdc130	0.12013125	0.13364562	0.13645765	-0.002812	0.53649682	0.90650187
Vav3	0.01873019	0.01988811	0.02270273	-0.0028146	0.70923579	0.90650187
Mrpl53	0.00626384	0.00484148	0.00765648	-0.002815	0.94892104	0.96195723
Ptpro	0.01353596	0.01364605	0.0164643	-0.0028183	0.77666243	0.90650187
Pif1	0.00600515	0.00452315	0.00734157	-0.0028184	0.95605753	0.96699916
Sntg1	0.00945891	0.00871805	0.01153694	-0.0028189	0.86130978	0.91859749
4933438K21l	0.00917065	0.00836513	0.01118754	-0.0028224	0.86897195	0.92140364
Mettl21a	0.19487634	0.20934389	0.21216728	-0.0028234	0.52358741	0.90650187
Stard6	0.01692723	0.01771343	0.02054226	-0.0028288	0.72979566	0.90650187
Rtca	0.37589832	0.36906338	0.37189523	-0.0028318	0.5135023	0.90650187

Snap91	0.02290526	0.02484979	0.02768564	-0.0028358	0.67557664	0.90650187
Magi2	0.06970219	0.07884873	0.08168815	-0.0028394	0.5614024	0.90650187
Sez6	0.00652776	0.00513776	0.00797765	-0.0028399	0.94323804	0.95871682
1700010I14R	0.00952396	0.00877586	0.01161577	-0.0028399	0.86145839	0.91867924
Rims3	0.07246696	0.08193593	0.08477609	-0.0028402	0.55919795	0.90650187
Tmem190	0.00657551	0.00519437	0.00803575	-0.0028414	0.94201726	0.95777624
Tslp	0.02059805	0.02209217	0.02493546	-0.0028433	0.69389294	0.90650187
Spata2l	0.05097859	0.05763583	0.06048045	-0.0028446	0.5828122	0.90650187
Aoc2	0.00805346	0.00698456	0.00983206	-0.0028475	0.90104164	0.93544147
Gm17546	0.01435423	0.01460119	0.01744996	-0.0028488	0.76600779	0.90650187
Ust	0.01312751	0.01312162	0.01597188	-0.0028503	0.78621022	0.90650187
Sdr42e1	0.0143515	0.01459406	0.01744668	-0.0028526	0.76635004	0.90650187
Arg2	0.01008737	0.00944297	0.01229824	-0.0028553	0.84899462	0.91444933
F2	0.01970626	0.02101446	0.02387017	-0.0028557	0.70258518	0.90650187
Gm1818	0.00995365	0.00927901	0.01213631	-0.0028573	0.85236924	0.91557373
Hif3a	0.17517274	0.18996728	0.19282566	-0.0028584	0.52627128	0.90650187
AA986860	0.01371412	0.01381946	0.016679	-0.0028595	0.77702331	0.90650187
Vma21-ps	0.01493986	0.01529247	0.01815473	-0.0028623	0.75831469	0.90650187
Cyb5d1	0.01650234	0.01716942	0.02003236	-0.0028629	0.73739908	0.90650187
Kcnip4	0.0159963	0.01656127	0.01942468	-0.0028634	0.74387233	0.90650187
Gm43796	0.0931206	0.1046322	0.10749828	-0.0028661	0.54717497	0.90650187
Cdh23	0.0193393	0.02056314	0.02343145	-0.0028683	0.70684773	0.90650187
Zfp276	0.08546521	0.09627811	0.09914656	-0.0028684	0.55116988	0.90650187
Itih1	0.00593505	0.00438457	0.00725621	-0.0028716	0.96074042	0.97053465
Ltbp2	0.0098757	0.00917005	0.0120419	-0.0028718	0.85547845	0.9165432
Tnfrsf22	0.0162986	0.01691232	0.01978774	-0.0028754	0.7408622	0.90650187
Gm38037	0.00597247	0.00442592	0.00730177	-0.0028759	0.96002128	0.9701425
Gm6576	0.10204998	0.11427162	0.11714849	-0.0028769	0.54346723	0.90650187
Atp10a	0.03727568	0.0417477	0.04462558	-0.0028779	0.612827	0.90650187
Ebf4	0.01180091	0.01149251	0.0143707	-0.0028782	0.81336742	0.9092537

Spag5	0.04604203	0.05192312	0.05480166	-0.0028785	0.5923183	0.90650187
Alb	0.0061274	0.00460968	0.0074904	-0.0028807	0.95634186	0.96707976
Kcnq2	0.00584753	0.00426878	0.00714963	-0.0028809	0.96337757	0.97220358
RP23-143D1	0.01904131	0.02019251	0.02307501	-0.0028825	0.71066894	0.90650187
Bub1	0.05990526	0.06776499	0.0706562	-0.0028912	0.57217384	0.90650187
4930481A15	0.02789936	0.03071807	0.03360958	-0.0028915	0.6489419	0.90650187
Endov	0.10899574	0.12172197	0.1246139	-0.0028919	0.54108586	0.90650187
Tmem144	0.00897408	0.00805529	0.01094919	-0.0028939	0.87999959	0.92579928
Aire	0.0162068	0.01678241	0.0196775	-0.0028951	0.74346607	0.90650187
Unc13c	0.00543146	0.00374528	0.00664279	-0.0028975	0.97375691	0.97994563
Hist1h4b	0.00633494	0.00484011	0.00774302	-0.0029029	0.95221155	0.96420588
Stk26	0.03526343	0.03936367	0.042273	-0.0029093	0.62018144	0.90650187
Itga3	0.06621954	0.07487185	0.07778259	-0.0029107	0.56606364	0.90650187
Usp27x	0.06421473	0.07261337	0.07552629	-0.0029129	0.56806872	0.90650187
Stmnd1	0.00580189	0.00417969	0.00709404	-0.0029144	0.96609985	0.97436862
Gm28172	0.04139908	0.04651122	0.04942678	-0.0029156	0.60342986	0.90650187
Acsl6	0.03234912	0.03593788	0.03885464	-0.0029168	0.63070649	0.90650187
Lpcat2	0.02011959	0.02144614	0.02436407	-0.0029179	0.70278313	0.90650187
RP24-159C1	0.00669874	0.00526747	0.00818566	-0.0029182	0.94350122	0.95876476
Osbp2	0.00645388	0.00496632	0.00788776	-0.0029214	0.95017478	0.96290712
Pgk1-rs7	0.0090978	0.00816957	0.0110992	-0.0029296	0.87968545	0.92562058
Cth	0.05347133	0.06040138	0.06333399	-0.0029326	0.58154565	0.90650187
Gm15728	0.01026601	0.0095815	0.01251452	-0.002933	0.8512746	0.9150732
Caprin2	0.07878508	0.08885766	0.09179135	-0.0029337	0.55649296	0.90650187
Gria4	0.00951468	0.00866863	0.01160452	-0.0029359	0.86964563	0.92144928
Hadha	0.84091451	0.67125733	0.67419417	-0.0029368	0.50772519	0.90650187
Rdm1	0.22064733	0.23389794	0.23683635	-0.0029384	0.52199303	0.90650187
Hscb	0.17274909	0.18747641	0.19041698	-0.0029406	0.52736697	0.90650187
Crkl	0.01903549	0.02012577	0.02306805	-0.0029423	0.7146524	0.90650187
Zfp7	0.05250932	0.0592901	0.06223385	-0.0029437	0.58327668	0.90650187

Il1rapl1	0.01215247	0.01185152	0.01479531	-0.0029438	0.81179546	0.9092537
Gm26620	0.00548642	0.00376425	0.00670975	-0.0029455	0.974505	0.98047076
Capn9	0.00675015	0.00530069	0.0082482	-0.0029475	0.94392974	0.95903292
Bcas1	0.00774341	0.00650518	0.00945553	-0.0029504	0.91729988	0.94283706
Car5b	0.00594045	0.00431057	0.00726279	-0.0029522	0.96462486	0.97313927
Tmc6	0.13343477	0.14745461	0.15040822	-0.0029536	0.53478336	0.90650187
Ank1	0.0099293	0.00915278	0.01210681	-0.002954	0.86097637	0.91848494
4833422C13I	0.00805661	0.00688066	0.0098359	-0.0029552	0.90917611	0.93919616
Slc38a11	0.01834363	0.01927988	0.02223997	-0.0029601	0.72297427	0.90650187
Zfp94	0.04007194	0.04492394	0.04788435	-0.0029604	0.60828261	0.90650187
Ccdc36	0.02744782	0.03011341	0.03307559	-0.0029622	0.65473609	0.90650187
Bbof1	0.04347901	0.04887468	0.05183867	-0.002964	0.60032486	0.90650187
Gm10371	0.00635509	0.00480323	0.00776754	-0.0029643	0.95511058	0.96642721
lqsec3	0.00660971	0.00511303	0.00807736	-0.0029643	0.94860766	0.96195723
Acy3	0.09775298	0.1095459	0.1125124	-0.0029665	0.54665428	0.90650187
Gm20649	0.0088329	0.00781106	0.01077796	-0.0029669	0.88947875	0.9302877
Xpnpep3	0.06604654	0.07462094	0.07758811	-0.0029672	0.56749964	0.90650187
Plekhf1	0.05565069	0.06285347	0.06582116	-0.0029677	0.57943164	0.90650187
Klhdc7a	0.00503505	0.00318955	0.00615962	-0.0029701	0.98396737	0.98773611
Rec8	0.01265804	0.01243295	0.01540557	-0.0029726	0.80450226	0.90882608
A730071L15I	0.00632523	0.00475753	0.00773119	-0.0029737	0.95635983	0.96707976
Teddm2	0.0138752	0.01389709	0.01687307	-0.002976	0.78350638	0.90650187
Syne3	0.00601343	0.00437542	0.00735165	-0.0029762	0.96404998	0.97281756
Cntn4	0.01002387	0.00924342	0.01222135	-0.0029779	0.86064979	0.91847356
Gm8973	0.00596074	0.00430734	0.00728749	-0.0029802	0.96546718	0.97379514
Shisa7	0.00923842	0.00828469	0.01126969	-0.002985	0.88050306	0.92607258
2600006K01I	0.02564758	0.02795291	0.03094344	-0.0029905	0.66627352	0.90650187
B230369F24I	0.01963528	0.02079441	0.02378533	-0.0029909	0.71192522	0.90650187
Trim34a	0.01761352	0.01837278	0.02136525	-0.0029925	0.73324665	0.90650187
Slc52a3	0.01301273	0.01283766	0.01583346	-0.0029958	0.79986514	0.90805731

Gtf2a1l	0.00693	0.0054677	0.00846693	-0.0029992	0.94234399	0.95797305
Sema3f	0.12542719	0.13903588	0.14203713	-0.0030013	0.53741996	0.90650187
Gm42893	0.00658392	0.00504315	0.00804598	-0.0030028	0.95145608	0.96369163
1700112J16F	0.00795494	0.00670757	0.00971244	-0.0030049	0.91549548	0.94214655
1700040D17	0.00650718	0.00494255	0.00795261	-0.0030101	0.95377972	0.96556047
Hist2h2aa2	0.00981454	0.00895722	0.01196782	-0.0030106	0.86828621	0.92093489
E2f8	0.0263657	0.02878035	0.03179458	-0.0030142	0.66328951	0.90650187
Vwa2	0.01521139	0.01546644	0.01848131	-0.0030149	0.76583949	0.90650187
Kri1	0.1378879	0.15201189	0.15503043	-0.0030185	0.53448889	0.90650187
Cd59b	0.03362221	0.03733065	0.04034954	-0.0030189	0.63028716	0.90650187
Ube2ql1	0.00551277	0.00372247	0.00674186	-0.0030194	0.97675909	0.98199057
Snx30	0.13795959	0.15208224	0.15510465	-0.0030224	0.53451649	0.90650187
B230354K17	0.20450872	0.21844465	0.22146962	-0.003025	0.5242092	0.90650187
Arl15	0.07212317	0.08136639	0.08439272	-0.0030263	0.56333089	0.90650187
Haus6	0.04989186	0.05620634	0.0592335	-0.0030272	0.58986376	0.90650187
Gm26721	0.01739108	0.01806974	0.02109858	-0.0030288	0.73832739	0.90650187
Pde4c	0.00556684	0.00377833	0.00680774	-0.0030294	0.97605076	0.98140942
Tesk2	0.02024319	0.0214822	0.02451171	-0.0030295	0.70865251	0.90650187
Gm15420	0.00902725	0.00797958	0.01101366	-0.0030341	0.88965448	0.93029083
Slc12a4	0.14729365	0.16168194	0.16471666	-0.0030347	0.53263897	0.90650187
Abcd2	0.0119827	0.01155524	0.01459028	-0.003035	0.82245592	0.9092537
Zfp773	0.01000778	0.00916508	0.01220186	-0.0030368	0.86572666	0.92040222
Polr1c	0.6050478	0.53361694	0.5366546	-0.0030377	0.51003782	0.90650187
H2-Q7	0.00961352	0.00868559	0.01172429	-0.0030387	0.87538261	0.92418014
Loxl4	0.00618579	0.00452191	0.00756147	-0.0030396	0.96303511	0.9719225
Slc6a19	0.01175279	0.0112729	0.01431257	-0.0030397	0.82745256	0.90947782
Tmem240	0.02948168	0.03243603	0.03547827	-0.0030422	0.64847586	0.90650187
Hist1h2bm	0.00809616	0.00684119	0.00988391	-0.0030427	0.91443155	0.94149783
Chac1	0.01012435	0.00929777	0.01234301	-0.0030452	0.86363801	0.91985436
1700001L19F	0.00901611	0.00795456	0.01100015	-0.0030456	0.89080973	0.9309865

Gm11110	0.03786192	0.04226333	0.04530978	-0.0030464	0.6174936	0.90650187
Rnasek	0.00941195	0.00843236	0.01148003	-0.0030477	0.88104016	0.92635898
Bdh2	0.02039255	0.021642	0.02469009	-0.0030481	0.70843767	0.90650187
B230317F23	0.01240551	0.01205264	0.0151008	-0.0030482	0.81523727	0.9092537
Fam120c	0.02030584	0.02153701	0.02458654	-0.0030495	0.70931978	0.90650187
Recql5	0.049144	0.05532164	0.05837433	-0.0030527	0.59191863	0.90650187
Tmem52	0.00593494	0.00420325	0.00725607	-0.0030528	0.96928487	0.97673844
Sym	0.01860883	0.01950047	0.02255747	-0.003057	0.72656962	0.90650187
Acacb	0.00976654	0.00885183	0.01190967	-0.0030578	0.87315305	0.92306833
2810001G20	0.18478346	0.19925362	0.20231248	-0.0030589	0.52679483	0.90650187
Gm7221	0.00519376	0.00329119	0.0063531	-0.0030619	0.98392666	0.98773611
Ms4a4d	0.01890631	0.01985075	0.02291349	-0.0030627	0.72381898	0.90650187
Gm20342	0.18416786	0.19864361	0.20170784	-0.0030642	0.52692217	0.90650187
Ccdc25	0.41167037	0.3970064	0.400073	-0.0030666	0.51359172	0.90650187
Trpc5	0.01634796	0.016779	0.01984701	-0.003068	0.75402646	0.90650187
Gm2861	0.02694511	0.02941214	0.03248071	-0.0030686	0.66275487	0.90650187
Rnft2	0.00989055	0.00899025	0.01205989	-0.0030696	0.87108857	0.92225579
Gm16845	0.04158842	0.04657249	0.04964661	-0.0030741	0.60844653	0.90650187
Zfp955a	0.01897789	0.01992437	0.02299914	-0.0030748	0.72385668	0.90650187
4930547M16	0.005993	0.00425153	0.00732677	-0.0030752	0.96897511	0.97653493
Il1rap	0.02341714	0.02521698	0.02829466	-0.0030777	0.68565083	0.90650187
Cited1	0.12087447	0.13416271	0.13724273	-0.00308	0.53973616	0.90650187
Gm4876	0.0124062	0.0120208	0.01510163	-0.0030808	0.81777901	0.9092537
Pnrc2	0.63496885	0.55260812	0.55569215	-0.003084	0.50984197	0.90650187
Taf5	0.05627322	0.06344355	0.0665303	-0.0030868	0.58170574	0.90650187
Mrpl15	0.74963543	0.62111692	0.62420647	-0.0030895	0.50877754	0.90650187
Dusp19	0.25204082	0.26287387	0.26596408	-0.0030902	0.52059742	0.90650187
Adssl1	0.03197522	0.0353224	0.0384151	-0.0030927	0.63979256	0.90650187
Slc31a1	0.43787811	0.4169971	0.42009241	-0.0030953	0.5130654	0.90650187
A330074K22	0.00589611	0.00411312	0.0072088	-0.0030957	0.97187381	0.9786985

Zfp869	0.00572273	0.00389987	0.00699763	-0.0030978	0.97546657	0.98096484
Tgm5	0.00615562	0.00442544	0.00752475	-0.0030993	0.96645466	0.97446784
2610528J11F	0.1934409	0.20767028	0.21077237	-0.0031021	0.52608383	0.90650187
Zfp407	0.08850328	0.09936717	0.1024708	-0.0031036	0.55355505	0.90650187
2610020H08	0.03080745	0.033937	0.03704095	-0.003104	0.64525163	0.90650187
Slc6a20a	0.01282375	0.01250121	0.0156055	-0.0031043	0.81174197	0.9092537
Bad	0.82836565	0.664438	0.66754343	-0.0031054	0.50824995	0.90650187
Gm42809	0.01196406	0.0114615	0.01456777	-0.0031063	0.828418	0.9096066
Gm26533	0.00926968	0.00820002	0.01130759	-0.0031076	0.88909826	0.9302877
Rrp12	0.0595744	0.06717178	0.07028116	-0.0031094	0.57796201	0.90650187
Gm26664	0.00623499	0.00451125	0.00762137	-0.0031101	0.96517321	0.97356323
Sytl3	0.00895951	0.00781795	0.01093151	-0.0031136	0.89728225	0.93409036
Tspear	0.00975524	0.00878145	0.01189599	-0.0031145	0.87777273	0.92484883
Kif16b	0.12162036	0.13491372	0.13802995	-0.0031162	0.53997325	0.90650187
Trpv4	0.02623481	0.02852326	0.0316395	-0.0031162	0.66925488	0.90650187
Nol3	0.01471394	0.01476237	0.01788292	-0.0031205	0.78105271	0.90650187
Gm16090	0.00614102	0.00437977	0.00750698	-0.0031272	0.96798156	0.97564776
Zfp605	0.05563305	0.06267278	0.06580105	-0.0031283	0.58369282	0.90650187
Shank3	0.00515738	0.00317143	0.00630875	-0.0031373	0.98647474	0.98953428
Pik3cd	0.00878824	0.00758592	0.0107238	-0.0031379	0.9033403	0.93635703
Gm37035	0.0099826	0.00903221	0.01217136	-0.0031392	0.87422264	0.9235672
Lgals12	0.02207103	0.02355068	0.02669224	-0.0031416	0.69959218	0.90650187
Dpp8	0.17951819	0.19398513	0.19712763	-0.0031425	0.52824909	0.90650187
Fam181b	0.07691363	0.08657623	0.08971937	-0.0031431	0.56188214	0.90650187
Gm4577	0.02389273	0.02571555	0.02886012	-0.0031446	0.68594486	0.90650187
Slc5a9	0.01363752	0.01344093	0.01658669	-0.0031458	0.80042358	0.90806412
Ptger1	0.00908896	0.00793862	0.01108849	-0.0031499	0.89667811	0.93371722
8030423F21I	0.01666863	0.01708152	0.02023195	-0.0031504	0.75561026	0.90650187
Dnaja4	0.26203273	0.27187757	0.27502953	-0.003152	0.52031674	0.90650187
2900026A02I	0.24803156	0.25914533	0.26229946	-0.0031541	0.52131652	0.90650187

Tmem40	0.0062302	0.00446031	0.00761554	-0.0031552	0.9672537	0.97501482
Adam5	0.01068726	0.00986834	0.01302433	-0.003156	0.85931271	0.91797966
Rnf122	0.09469365	0.10604543	0.10920429	-0.0031589	0.55116068	0.90650187
Anks1b	0.0061335	0.00433489	0.00749782	-0.0031629	0.96962886	0.9770203
Vash2	0.153371	0.16775426	0.17091979	-0.0031655	0.53280987	0.90650187
Irgm2	0.00952539	0.0084512	0.01161751	-0.0031663	0.88717363	0.92936447
Hist1h3a	0.00931362	0.00819436	0.01136085	-0.0031665	0.89234174	0.93159913
Frrs1l	0.00928	0.00814905	0.0113201	-0.003171	0.89349424	0.93186533
Pcsk4	0.03753224	0.04175332	0.04492507	-0.0031718	0.62318788	0.90650187
Stap1	0.00865368	0.00738678	0.01056055	-0.0031738	0.90923267	0.93919616
4732456N10	0.00955885	0.00848392	0.01165805	-0.0031741	0.88693786	0.92936447
Hspa13	0.47073779	0.44130651	0.44448126	-0.0031748	0.51266557	0.90650187
Cd22	0.00853971	0.00724484	0.01042227	-0.0031774	0.9123434	0.94062208
Hist2h2be	0.03352716	0.03706036	0.04023802	-0.0031777	0.6372346	0.90650187
5330439K02l	0.01253289	0.0120731	0.01525454	-0.0031814	0.82307837	0.9092537
St6galnac5	0.13631931	0.15022305	0.15340496	-0.0031819	0.53673451	0.90650187
Barx2	0.01955905	0.02051192	0.02369419	-0.0031823	0.72476995	0.90650187
RP23-16L19.	0.00862234	0.00734023	0.01052253	-0.0031823	0.91060217	0.93983499
Fam160a1	0.00877086	0.00752009	0.01070271	-0.0031826	0.90691133	0.9379403
Slc22a18	0.02039513	0.02150825	0.02469317	-0.0031849	0.71681069	0.90650187
2900011O08	0.00869919	0.00742989	0.01061577	-0.0031859	0.90892512	0.93913613
Phf19	0.02096367	0.02218352	0.02537185	-0.0031883	0.71180096	0.90650187
A730011C13l	0.00888964	0.00765777	0.01084678	-0.003189	0.90439882	0.93681543
Mapkap1	0.29583076	0.30179704	0.30499076	-0.0031937	0.51856498	0.90650187
D230017M19	0.01860724	0.01936089	0.02255557	-0.0031947	0.73554079	0.90650187
Sertad4	0.03973603	0.0442964	0.04749351	-0.0031971	0.61763071	0.90650187
Pdp1	0.07335285	0.08256319	0.0857632	-0.0032	0.56587224	0.90650187
Rinl	0.02986723	0.03273284	0.035933	-0.0032002	0.65391825	0.90650187
Lrrc3	0.03832105	0.04264431	0.04584527	-0.003201	0.62187012	0.90650187
Cib3	0.00885816	0.00760548	0.0108086	-0.0032031	0.90615663	0.9376778

Fzd9	0.00471257	0.00256309	0.00576637	-0.0032033	0.99323652	0.99474162
Fuk	0.04234947	0.04732462	0.05052968	-0.0032051	0.61102116	0.90650187
Pabpc5	0.00855238	0.00723118	0.01043765	-0.0032065	0.91398333	0.9412276
Pcdhga7	0.01369179	0.01344497	0.01665209	-0.0032071	0.80405735	0.90882608
Med15	0.17827456	0.19268861	0.19589856	-0.0032099	0.52903513	0.90650187
Fam110c	0.03058209	0.03356491	0.03677551	-0.0032106	0.65103379	0.90650187
Zfp652os	0.00826295	0.00687314	0.01008639	-0.0032132	0.92164853	0.94549985
Mybl1	0.01143413	0.01071365	0.01392749	-0.0032138	0.84751847	0.9143112
Pigb	0.08359437	0.093879	0.09709303	-0.003214	0.55849754	0.90650187
6430550D23	0.01198761	0.01138073	0.01459622	-0.0032155	0.8362959	0.91079271
6430573P05I	0.01055132	0.00964318	0.01285984	-0.0032167	0.86692862	0.92056229
Calca	0.01622546	0.01648294	0.01969991	-0.003217	0.76606916	0.90650187
Tarsl2	0.0737927	0.08303564	0.08625287	-0.0032172	0.56585118	0.90650187
Prob1	0.01417585	0.01401318	0.01723519	-0.003222	0.79703501	0.9075779
Adamtsl3	0.01628205	0.01654438	0.01976787	-0.0032235	0.76575344	0.90650187
Gm13544	0.01209841	0.01150633	0.01473003	-0.0032237	0.8347062	0.91062493
Gm43949	0.00825499	0.0068521	0.01007674	-0.0032246	0.9225784	0.94559465
Gm16365	0.01090278	0.01005873	0.01328505	-0.0032263	0.85984657	0.91802142
Gm14085	0.00905632	0.0078209	0.01104891	-0.003228	0.90299616	0.93635703
2210406O10	0.00865098	0.00732909	0.01055728	-0.0032282	0.91298532	0.9407546
Phtf1os	0.02712672	0.02946595	0.03269566	-0.0032297	0.66972045	0.90650187
Rnd1	0.01186095	0.01120756	0.01444323	-0.0032357	0.84035927	0.91226452
Frs2	0.09275811	0.10386683	0.10710466	-0.0032378	0.55345424	0.90650187
Cox7a1	0.06921331	0.07790093	0.08114096	-0.00324	0.57044887	0.90650187
Ces2e	0.0052677	0.00320229	0.00644321	-0.0032409	0.98732841	0.99012925
Nyap2	0.01139263	0.01063449	0.01387733	-0.0032428	0.85056155	0.91483663
Nim1k	0.02787618	0.03033924	0.03358217	-0.0032429	0.66614738	0.90650187
Gm17227	0.02191119	0.02325569	0.02650176	-0.0032461	0.70695832	0.90650187
Gm26899	0.01255233	0.0120318	0.01527801	-0.0032462	0.82756452	0.90947782
Gipc2	0.03987538	0.04440901	0.04765567	-0.0032467	0.61900472	0.90650187

Cyp2j5	0.00473657	0.00254872	0.00579565	-0.0032469	0.99362338	0.99493242
Ppih	0.33082104	0.33166024	0.33490744	-0.0032472	0.51719058	0.90650187
Fam234a	0.3481792	0.34610252	0.34935275	-0.0032502	0.51649554	0.90650187
4932438A13	0.37105408	0.36474888	0.36800177	-0.0032529	0.51567284	0.90650187
Etv4	0.00941384	0.00822675	0.01148232	-0.0032556	0.89624782	0.93346099
Zfp874b	0.02232291	0.0237323	0.02699229	-0.00326	0.70433746	0.90650187
Dennd6b	0.06997272	0.07872864	0.08199079	-0.0032621	0.57019715	0.90650187
Ybx2	0.0087506	0.00741356	0.01067813	-0.0032646	0.91294782	0.9407546
2200002D01	0.02882365	0.03143683	0.03470162	-0.0032648	0.66211795	0.90650187
Gm10010	0.00935856	0.00814944	0.01141532	-0.0032659	0.89829054	0.93440169
Srsf2	0.8907114	0.69662045	0.69988838	-0.0032679	0.50828046	0.90650187
Tat	0.00899543	0.00770672	0.01097508	-0.0032684	0.90723059	0.93808668
Crp	0.01264576	0.0121209	0.01539075	-0.0032698	0.82754131	0.90947782
Gm16537	0.00912269	0.00785876	0.01112939	-0.0032706	0.90429895	0.93677582
Ccdc173	0.11856979	0.13153444	0.13480605	-0.0032716	0.54295869	0.90650187
Gm13373	0.00564982	0.00363548	0.00690882	-0.0032733	0.98241036	0.98669441
Sec61a2	0.37942609	0.37144482	0.37471888	-0.0032741	0.51549219	0.90650187
Atrip	0.00964903	0.00849168	0.01176731	-0.0032756	0.89205073	0.93145097
Alpk2	0.01158961	0.01083852	0.0141154	-0.0032769	0.8489744	0.91444933
Paqr8	0.01075967	0.00983387	0.01311194	-0.0032781	0.86680852	0.92056229
Slc20a1	0.07965932	0.08947787	0.09275754	-0.0032797	0.56245058	0.90650187
Gm4978	0.04160137	0.0463792	0.04966164	-0.0032824	0.61555871	0.90650187
Pex11g	0.15667461	0.17098976	0.17427378	-0.003284	0.53338156	0.90650187
Gm26609	0.02315291	0.02469402	0.02798034	-0.0032863	0.69921396	0.90650187
Cnot10	0.25968355	0.26962019	0.27290678	-0.0032866	0.52134836	0.90650187
Plxnc1	0.02472868	0.02656609	0.02985316	-0.0032871	0.68775474	0.90650187
Lrrc75a	0.04488997	0.05018378	0.05347106	-0.0032873	0.60769103	0.90650187
Dmc1	0.00867906	0.00730319	0.01059135	-0.0032882	0.91623274	0.94231902
Slc25a35	0.05024209	0.05634362	0.05963555	-0.0032919	0.59692709	0.90650187
C130021I20R	0.02122179	0.02238747	0.02567979	-0.0032923	0.71564653	0.90650187

Atp8b5	0.00872497	0.00735359	0.01064704	-0.0032934	0.91545887	0.94214655
1700008O03	0.00901828	0.00770447	0.01100279	-0.0032983	0.90867896	0.93907328
Galr2	0.01956113	0.02039813	0.02369667	-0.0032985	0.73198333	0.90650187
Gabra3	0.00864746	0.00725427	0.01055302	-0.0032987	0.91768128	0.94297078
Gm13248	0.01201407	0.01132912	0.01462817	-0.0032991	0.84197459	0.91251845
Ddhd2	0.26768093	0.27681273	0.28011185	-0.0032991	0.52087893	0.90650187
Pcdhgb4	0.02103902	0.02215997	0.02546175	-0.0033018	0.7178577	0.90650187
Dscam	0.00888053	0.00752407	0.01083573	-0.0033117	0.91287671	0.9407546
Sh3bp5l	0.24080427	0.25233941	0.25565186	-0.0033125	0.52296686	0.90650187
Mapk8	0.28203423	0.2895767	0.29288929	-0.0033126	0.52005039	0.90650187
Klhl3	0.00744302	0.00577638	0.00909057	-0.0033142	0.94746502	0.96144298
Tmem145	0.01166112	0.01088398	0.01420181	-0.0033178	0.85050051	0.91483663
Colq	0.02052555	0.02152963	0.0248489	-0.0033193	0.72368943	0.90650187
Clybl	0.08780338	0.09838581	0.10170612	-0.0033203	0.55769665	0.90650187
Tctn1	0.11191623	0.12441223	0.12773493	-0.0033227	0.54603153	0.90650187
Mycn	0.04618685	0.05164391	0.05496879	-0.0033249	0.60599657	0.90650187
Hdhd2	0.41790632	0.40155633	0.40488401	-0.0033277	0.51457322	0.90650187
Bcat1	0.05666959	0.06365354	0.06698152	-0.003328	0.58740712	0.90650187
Acot11	0.01058404	0.00956979	0.01289944	-0.0033296	0.8744158	0.92356828
Gm29650	0.00822663	0.00671146	0.0100423	-0.0033308	0.92982935	0.95037317
Fibp	0.46263448	0.43520674	0.43853819	-0.0033315	0.51347052	0.90650187
Cage1	0.01257478	0.01197221	0.01530509	-0.0033329	0.83349997	0.91060043
Gm8225	0.01146683	0.01063185	0.01396701	-0.0033352	0.85578226	0.9165432
Atp2c2	0.01358753	0.01319083	0.01652645	-0.0033356	0.81521537	0.9092537
Tns3	0.28040745	0.28811442	0.2914509	-0.0033365	0.52029442	0.90650187
Unc13d	0.01640053	0.01657313	0.01991012	-0.003337	0.77189347	0.90650187
Styk1	0.01017336	0.00906382	0.01240235	-0.0033385	0.88428659	0.9278081
Ppp2r5e	0.36937837	0.36331032	0.36665013	-0.0033398	0.51615073	0.90650187
Pla2g2c	0.02345066	0.02499288	0.02833452	-0.0033416	0.69996319	0.90650187
1700001C19I	0.00871542	0.00729313	0.01063546	-0.0033423	0.91880643	0.94363736

Grhl2	0.02103921	0.02211815	0.02546198	-0.0033438	0.72033088	0.90650187
Clp1	0.10723618	0.11938323	0.1227284	-0.0033452	0.54822285	0.90650187
Veph1	0.01402716	0.01370628	0.01705611	-0.0033498	0.80870089	0.9092537
Npb	0.038814	0.04306658	0.04641983	-0.0033532	0.62594756	0.90650187
Nfkbie	0.02712333	0.02933776	0.03269166	-0.0033539	0.67583514	0.90650187
A530095I07F	0.01176954	0.01097596	0.0143328	-0.0033568	0.85110647	0.91505486
Slc41a1	0.07162145	0.08047249	0.08383292	-0.0033604	0.57071767	0.90650187
Slc9a5	0.02628581	0.02833715	0.03169994	-0.0033628	0.68139306	0.90650187
Bcl2l14	0.00892178	0.00751659	0.01088576	-0.0033692	0.9155777	0.94216738
Plekha6	0.09881996	0.11029363	0.11366311	-0.0033695	0.5524238	0.90650187
Gm15859	0.00909532	0.00772471	0.0110962	-0.0033715	0.91161396	0.94039219
Gm1661	0.01138876	0.01049493	0.01387266	-0.0033777	0.86046753	0.9184725
Atoh8	0.01591522	0.01594335	0.01932728	-0.0033839	0.78182218	0.90650187
Mmaa	0.140998	0.15486004	0.15824473	-0.0033847	0.53787715	0.90650187
Gm17541	0.0332084	0.03647737	0.03986392	-0.0033865	0.64716083	0.90650187
Pecr	0.16885599	0.18314305	0.18653383	-0.0033908	0.53220402	0.90650187
Arfgap2	0.66552358	0.57122858	0.57461949	-0.0033909	0.51046472	0.90650187
St6galnac6	0.1781044	0.19233839	0.19573026	-0.0033919	0.53070378	0.90650187
Kctd17	0.01142761	0.01052459	0.01391962	-0.003395	0.86088284	0.91848494
St8sia5	0.01428418	0.01396786	0.01736563	-0.0033978	0.80780334	0.9092537
Ces2g	0.01702826	0.0172651	0.02066346	-0.0033984	0.76765178	0.90650187
Phactr4	0.24867015	0.25948356	0.2628842	-0.0034006	0.52292966	0.90650187
Pfn4	0.01952399	0.02024973	0.02365228	-0.0034025	0.73876119	0.90650187
Fam228b	0.01220834	0.01145786	0.01486277	-0.0034049	0.8457661	0.9136218
Nostrin	0.05499633	0.06166987	0.06507512	-0.0034052	0.59197547	0.90650187
9030624G23	0.00973293	0.00846265	0.01186896	-0.0034063	0.89899723	0.93440169
Urb2	0.01782829	0.01821598	0.02162264	-0.0034067	0.75816396	0.90650187
Bid	0.09114355	0.10193852	0.10534924	-0.0034107	0.55722139	0.90650187
Ccdc89	0.02055683	0.0214744	0.02488625	-0.0034119	0.72889804	0.90650187
Rsph14	0.01181618	0.01097662	0.01438915	-0.0034125	0.85413154	0.91608365

Hist1h2ab	0.01952436	0.02023884	0.02365272	-0.0034139	0.73944963	0.90650187
Gm43579	0.02501026	0.0267735	0.0301874	-0.0034139	0.69243175	0.90650187
A930007119F	0.01195715	0.01114359	0.01455942	-0.0034158	0.85152511	0.91522542
Lrrc6	0.00870644	0.00720613	0.01062456	-0.0034184	0.92369398	0.94629143
Sync	0.01663015	0.01676503	0.02018577	-0.0034207	0.7743849	0.90650187
Gc	0.00773699	0.00602429	0.00944772	-0.0034234	0.94639814	0.96068101
Zfp93	0.07645885	0.08578873	0.08921511	-0.0034264	0.56778483	0.90650187
B230307C23	0.0469591	0.05243155	0.05585942	-0.0034279	0.6075001	0.90650187
Slc2a13	0.01816049	0.01859268	0.02202063	-0.003428	0.75554625	0.90650187
6030458C11	0.13184424	0.14532248	0.1487516	-0.0034291	0.54081337	0.90650187
Zfp382	0.01935129	0.02000851	0.02344577	-0.0034373	0.74271786	0.90650187
Hist1h2ai	0.00754904	0.00578029	0.0092194	-0.0034391	0.95137568	0.9636744
Kbtbd11	0.01797024	0.01835325	0.02179273	-0.0034395	0.75854737	0.90650187
Zfp790	0.05456016	0.061136	0.06457749	-0.0034415	0.59363953	0.90650187
Gm13713	0.01224953	0.01146408	0.01491249	-0.0034484	0.84802919	0.91440801
Dancr.1	0.01020577	0.00898426	0.01244159	-0.0034573	0.89165278	0.93134318
Gfpt2	0.02794849	0.03021	0.03366766	-0.0034577	0.67600711	0.90650187
Myo15b	0.01994871	0.02069926	0.02415991	-0.0034606	0.73786768	0.90650187
Naprt	0.12449578	0.13759616	0.14105841	-0.0034622	0.54344492	0.90650187
Rltpr	0.09652533	0.10772389	0.11118647	-0.0034626	0.55505589	0.90650187
Peo1	0.1037897	0.11555964	0.11902405	-0.0034644	0.55147826	0.90650187
WDR97	0.01139321	0.01041343	0.01387803	-0.0034646	0.86646425	0.92056229
Gm14419	0.05035371	0.05629432	0.05976365	-0.0034693	0.60182425	0.90650187
Sipa1l2	0.0248387	0.02651323	0.02998376	-0.0034705	0.69657157	0.90650187
Zfp960	0.04635998	0.0516978	0.05516854	-0.0034707	0.61013827	0.90650187
Peg12	0.04457789	0.04963885	0.05311027	-0.0034714	0.61431214	0.90650187
Gm4779	0.01174686	0.01083195	0.0143054	-0.0034734	0.85980034	0.91802142
Fsip1	0.00892177	0.00741152	0.01088574	-0.0034742	0.92202588	0.94549985
Glce	0.09737879	0.10863149	0.11210847	-0.003477	0.55483163	0.90650187
Vangl2	0.29186074	0.29804729	0.30152625	-0.003479	0.52045388	0.90650187

K230010J24F	0.01802809	0.01838111	0.02186203	-0.0034809	0.76047753	0.90650187
Spata24	0.2079708	0.22130732	0.22478889	-0.0034816	0.52744724	0.90650187
Nipa1	0.03656391	0.04031111	0.04379414	-0.003483	0.63816869	0.90650187
Gcnt4	0.01471563	0.01440123	0.01788495	-0.0034837	0.80673732	0.9092537
Focad	0.05011734	0.05600329	0.05949236	-0.0034891	0.60284683	0.90650187
Serpini1	0.09685376	0.10805124	0.11154139	-0.0034902	0.55531595	0.90650187
C730034F03I	0.05897421	0.06610752	0.06960042	-0.0034929	0.58827237	0.90650187
E2f1	0.1137362	0.12618073	0.12967452	-0.0034938	0.54767018	0.90650187
Gm15222	0.01186238	0.0109367	0.01444495	-0.0035083	0.85986376	0.91802142
Fzd6	0.07456364	0.08360186	0.08711048	-0.0035086	0.57105462	0.90650187
Wdr78	0.03211147	0.03506641	0.0385753	-0.0035089	0.65703391	0.90650187
Dram1	0.01459058	0.01422311	0.01773446	-0.0035113	0.81062729	0.9092537
Impg2	0.01030679	0.00905218	0.01256389	-0.0035117	0.89298957	0.93179124
Il2rg	0.02186944	0.02293809	0.026452	-0.0035139	0.72259186	0.90650187
Adnp2	0.06897788	0.07736243	0.08087734	-0.0035149	0.5766008	0.90650187
Nthl1	0.09421613	0.10517012	0.10868677	-0.0035167	0.55718717	0.90650187
Plcd3	0.01631085	0.01628554	0.01980246	-0.0035169	0.78510158	0.90650187
Shc4	0.01184916	0.01091202	0.01442899	-0.003517	0.86072603	0.91848494
Vipr2	0.02304224	0.02433059	0.02784866	-0.0035181	0.71280727	0.90650187
Pdk4	0.02278233	0.02401913	0.02753933	-0.0035202	0.71506998	0.90650187
Mamdc4	0.00655431	0.00448976	0.00800996	-0.0035202	0.97463441	0.98050415
Thsd4	0.073344	0.08223209	0.08575334	-0.0035212	0.57242353	0.90650187
Sncaip	0.06326494	0.07093245	0.07445529	-0.0035228	0.58330017	0.90650187
Gm16432	0.01211018	0.01122092	0.01474424	-0.0035233	0.85595785	0.9165432
Slc36a1	0.13805817	0.15167989	0.15520671	-0.0035268	0.54023238	0.90650187
Cabp1	0.0204126	0.02118543	0.02471404	-0.0035286	0.73719854	0.90650187
Glis1	0.01597268	0.01586675	0.01939631	-0.0035296	0.79073369	0.90650187
Radil	0.02095077	0.02182592	0.02535645	-0.0035305	0.73203813	0.90650187
Ak2	0.83612364	0.66813142	0.67166349	-0.0035321	0.50932564	0.90650187
Zfp146	0.11878606	0.13150183	0.13503498	-0.0035332	0.54629976	0.90650187

Maats1	0.01097201	0.0098307	0.01336878	-0.0035381	0.88031043	0.92599812
Tmem87a	0.17730267	0.19139497	0.19493687	-0.0035419	0.53218923	0.90650187
Polr3g	0.04255569	0.04722361	0.05076881	-0.0035452	0.62188589	0.90650187
Adam28	0.01017738	0.00886106	0.01240722	-0.0035462	0.89806798	0.9343964
Gm2109	0.00746751	0.00557087	0.00912033	-0.0035495	0.95819766	0.96858377
Gm14322	0.0313674	0.03414941	0.03770012	-0.0035507	0.66228239	0.90650187
Lpar2	0.03190214	0.03477723	0.03832917	-0.0035519	0.65981973	0.90650187
Gm43254	0.00830415	0.00658203	0.0101364	-0.0035544	0.94048642	0.95691661
Tbc1d2	0.01200551	0.01105661	0.01461784	-0.0035612	0.86060626	0.91847356
Rb1	0.06649932	0.07453556	0.07809699	-0.0035614	0.58032771	0.90650187
Pvt1	0.02251879	0.02365368	0.02722557	-0.0035719	0.72013626	0.90650187
Palm3	0.01178824	0.01078165	0.01435539	-0.0035737	0.86579304	0.92040843
Limk1	0.12811011	0.14127247	0.14485041	-0.0035779	0.54372025	0.90650187
Ccdc159	0.00874984	0.00709741	0.01067721	-0.0035798	0.93195377	0.95146248
Il18bp	0.01524856	0.01494588	0.01852601	-0.0035801	0.80485979	0.90882608
Cdkl5	0.06055903	0.06781435	0.07139678	-0.0035824	0.5882573	0.90650187
Eogt	0.06488784	0.07270094	0.07628449	-0.0035836	0.58271251	0.90650187
Ada	0.02383256	0.02520442	0.02878859	-0.0035842	0.71003184	0.90650187
Tmem79	0.02395204	0.02534468	0.0289306	-0.0035859	0.70919305	0.90650187
9530053A07	0.01347254	0.01280095	0.01638786	-0.0035869	0.8347325	0.91062493
Prkaa2	0.04749634	0.05289106	0.05647847	-0.0035874	0.61117258	0.90650187
Rit2	0.01139378	0.01028957	0.01387873	-0.0035892	0.87486027	0.92390933
Gpr62	0.01167382	0.01062478	0.01421715	-0.0035924	0.86934676	0.92141903
Adgrv1	0.023901	0.02527588	0.02886995	-0.0035941	0.7100191	0.90650187
Bloc1s6os	0.00815082	0.00635224	0.00995027	-0.003598	0.94603179	0.9604315
Chst15	0.06341726	0.07102516	0.07462714	-0.003602	0.58494987	0.90650187
Mia2	0.01457061	0.01410676	0.01771043	-0.0036037	0.81715596	0.9092537
Fn3k	0.01034761	0.00900839	0.01261329	-0.0036049	0.89805793	0.9343964
Jak2	0.06129679	0.06862068	0.07223175	-0.0036111	0.58793985	0.90650187
Slc12a1	0.00875245	0.00706735	0.01068038	-0.003613	0.93369495	0.95242899

Plppr3	0.04432573	0.04920456	0.05281864	-0.0036141	0.6195076	0.90650187
Panx2	0.00930287	0.00773077	0.01134781	-0.003617	0.92175988	0.94549985
Ano8	0.01447912	0.01398147	0.01760031	-0.0036188	0.81966019	0.9092537
Pcdhb20	0.03660434	0.04022132	0.0438414	-0.0036201	0.64322138	0.90650187
Nans	0.74152163	0.6159564	0.61957701	-0.0036206	0.51036285	0.90650187
Pcmt1	0.40487077	0.39117226	0.39479385	-0.0036216	0.51626485	0.90650187
Vamp1	0.03387624	0.03702455	0.04064753	-0.003623	0.65403763	0.90650187
Gm29440	0.00796066	0.00609576	0.00971938	-0.0036236	0.95128353	0.9636744
Mtif3	0.22005469	0.23265214	0.23627679	-0.0036247	0.5271863	0.90650187
Rdh12	0.00833524	0.00654749	0.01017414	-0.0036266	0.94347915	0.95876476
Armc7	0.04396283	0.04877082	0.05239877	-0.0036279	0.62088331	0.90650187
4930447C04I	0.0132124	0.01244354	0.01607425	-0.0036307	0.84234319	0.91251845
Stil	0.02646463	0.02827823	0.03191177	-0.0036335	0.69363678	0.90650187
Zfp518b	0.05662378	0.06329269	0.06692939	-0.0036367	0.59543877	0.90650187
P3h2	0.00996409	0.00850876	0.01214895	-0.0036402	0.90857591	0.93903063
Slc23a1	0.01833461	0.01858808	0.02222915	-0.0036411	0.7667474	0.90650187
Nipal1	0.10566842	0.11740405	0.12104518	-0.0036411	0.55319085	0.90650187
Zmym1	0.17967805	0.19364216	0.19728549	-0.0036433	0.53271569	0.90650187
H3f3a	4.21081904	0.64585351	0.64949927	-0.0036458	0.50995417	0.90650187
Rsl1	0.01799754	0.01817699	0.02182543	-0.0036484	0.77130445	0.90650187
Stk11	0.77796921	0.63647683	0.64013042	-0.0036536	0.51012154	0.90650187
Chil1	0.0112643	0.01006823	0.01372221	-0.003654	0.88175116	0.92669144
Nudt17	0.04370176	0.04844144	0.05209659	-0.0036551	0.62244471	0.90650187
Hoxa4	0.02366598	0.0249287	0.02859055	-0.0036619	0.71545415	0.90650187
Ntf3	0.01736593	0.0174064	0.02106843	-0.003662	0.7801553	0.90650187
Gm17315	0.01132665	0.01013308	0.01379758	-0.0036645	0.88114101	0.92635898
Zfp84	0.13315053	0.14644659	0.1501124	-0.0036658	0.54322566	0.90650187
Pom121	0.2357246	0.24728191	0.25094873	-0.0036668	0.52589646	0.90650187
Gm26631	0.01030448	0.00889193	0.0125611	-0.0036692	0.90295709	0.93635703
Bora	0.03278877	0.03570068	0.03937118	-0.0036705	0.66072962	0.90650187

Dnajc17	0.23938189	0.25066698	0.2543375	-0.0036705	0.5255776	0.90650187
Gm20696	0.02663568	0.02844125	0.03211436	-0.0036731	0.69443809	0.90650187
Gpam	0.0147754	0.01428275	0.01795687	-0.0036741	0.81848477	0.9092537
Zbtb42	0.03967536	0.04374516	0.04742291	-0.0036778	0.63486505	0.90650187
1810062G17	0.02272819	0.02379712	0.02747488	-0.0036778	0.72410633	0.90650187
Recql4	0.01357556	0.01283399	0.01651202	-0.003678	0.83897485	0.91188312
Gm6297	0.01120214	0.00996722	0.01364706	-0.0036798	0.88468336	0.92796521
Nab1	0.10900866	0.12094552	0.12462773	-0.0036822	0.55225009	0.90650187
Mef2a	0.49177783	0.45601322	0.45969681	-0.0036836	0.51420851	0.90650187
Dner	0.06443431	0.072089	0.0757737	-0.0036847	0.58557607	0.90650187
Hist1h2bp	0.00642357	0.00416077	0.00785088	-0.0036901	0.98167066	0.98614695
Cyp2u1	0.01336318	0.01256205	0.01625603	-0.003694	0.8438023	0.91300169
Pcdhb22	0.02071387	0.0213762	0.02507371	-0.0036975	0.74395117	0.90650187
Reep4	0.23134205	0.24317129	0.24687041	-0.0036991	0.52655524	0.90650187
Tbkbp1	0.0398304	0.04390318	0.04760333	-0.0037001	0.63516011	0.90650187
Kirrel3	0.01214806	0.01108698	0.01478999	-0.003703	0.86715826	0.92056229
4930432K21f	0.01374754	0.01301515	0.01671927	-0.0037041	0.83766676	0.91121886
Tnfrsf18	0.00827325	0.00639384	0.01009889	-0.0037051	0.94855384	0.96195723
Gm12454	0.02734527	0.02924893	0.03295427	-0.0037053	0.69141314	0.90650187
6030419C18f	0.01620292	0.01596597	0.01967284	-0.0037069	0.79889114	0.90777025
Plk3	0.01535488	0.01494531	0.01865385	-0.0037085	0.81160417	0.9092537
Inadl	0.15291041	0.16674133	0.17045118	-0.0037098	0.53854074	0.90650187
Stag2	0.49324931	0.45703895	0.46074981	-0.0037109	0.51428096	0.90650187
Mgat4b	0.11888781	0.13142781	0.13514268	-0.0037149	0.54863092	0.90650187
Timp4	0.01190305	0.01077687	0.01449409	-0.0037172	0.87288615	0.92289911
E130102H24f	0.0200238	0.02052792	0.02424964	-0.0037217	0.75247207	0.90650187
D930030I03F	0.00986203	0.00830086	0.01202534	-0.0037245	0.91572699	0.94222861
Mrps35	0.42340905	0.40537437	0.40910406	-0.0037297	0.51616448	0.90650187
Pidd1	0.0203916	0.0209584	0.02468896	-0.0037306	0.74912576	0.90650187
Gm10699	0.01616707	0.01589506	0.0196298	-0.0037347	0.80117224	0.90817444

Trim71	0.00866113	0.00683211	0.0105696	-0.0037375	0.94202438	0.95777624
Prkab2	0.0774217	0.08654358	0.09028238	-0.0037388	0.5730336	0.90650187
Hist1h3h	0.00633085	0.00399435	0.00773804	-0.0037437	0.9842539	0.98789327
Astn2	0.01709003	0.01699382	0.02073755	-0.0037437	0.78888565	0.90650187
Fam175b	0.34935607	0.34657789	0.35032266	-0.0037448	0.51895112	0.90650187
Speg	0.07775134	0.08690259	0.09064747	-0.0037449	0.57285969	0.90650187
Fam189a2	0.02157	0.02234812	0.02609506	-0.0037469	0.73837284	0.90650187
Ncoa4	0.03068441	0.033149	0.03689603	-0.003747	0.67417846	0.90650187
Naa50	0.60759046	0.53454266	0.5382923	-0.0037496	0.51235215	0.90650187
Zfp964	0.01053044	0.00908358	0.01283457	-0.003751	0.90307249	0.93635703
E130311K13I	0.07540617	0.08429517	0.08804675	-0.0037516	0.57511927	0.90650187
Ttc26	0.06127447	0.06845001	0.0722065	-0.0037565	0.59145106	0.90650187
Trim16	0.03436162	0.03745933	0.04121664	-0.0037573	0.65735724	0.90650187
2600014E21I	0.0327282	0.03554129	0.03930003	-0.0037587	0.66464988	0.90650187
Rsph9	0.28687716	0.29339749	0.29715699	-0.0037595	0.52242622	0.90650187
Dclk3	0.01502346	0.01448928	0.01825529	-0.003766	0.82045883	0.9092537
Fbxw24	0.01439238	0.0137291	0.01749589	-0.0037668	0.8307469	0.9098597
Cdca4	0.24025625	0.25137848	0.25514569	-0.0037672	0.52616744	0.90650187
Dnaaf2	0.17813277	0.19198866	0.19575832	-0.0037697	0.5341109	0.90650187
Dhtkd1	0.01099464	0.00962574	0.01339615	-0.0037704	0.89457604	0.93247252
Arhgap27os2	0.01972415	0.02011547	0.02389154	-0.0037761	0.75885707	0.90650187
Plin5	0.0144775	0.01382177	0.01759836	-0.0037766	0.82996351	0.90974008
Hs1bp3	0.05428501	0.06048484	0.06426342	-0.0037786	0.60310587	0.90650187
Shox2	0.03663087	0.0400882	0.04387239	-0.0037842	0.64930826	0.90650187
Nphp3	0.03933882	0.04324599	0.04703113	-0.0037851	0.63974968	0.90650187
Ntn1	0.02402184	0.02522686	0.02901356	-0.0037867	0.71911589	0.90650187
Lrfrn5	0.011694	0.01045251	0.01424154	-0.003789	0.8815511	0.92661786
Dsc2	0.04077394	0.04491028	0.04870057	-0.0037903	0.63532661	0.90650187
Mfsd3	0.0663814	0.07417317	0.0779645	-0.0037913	0.58557825	0.90650187
Gm21814	0.02523278	0.02665817	0.03045145	-0.0037933	0.71013536	0.90650187

Sapcd2	0.0282047	0.03017721	0.03397049	-0.0037933	0.6901988	0.90650187
Gm9484	0.01035087	0.00882288	0.01261724	-0.0037944	0.90937573	0.93921867
Mmp11	0.09757921	0.10852933	0.11232485	-0.0037955	0.5597043	0.90650187
Rpl10-ps3	1.33769575	0.85638284	0.86017871	-0.0037959	0.50782594	0.90650187
Uprt	0.00631309	0.00391942	0.00771643	-0.003797	0.98564851	0.98877074
Gm3739	0.01106714	0.00968492	0.01348383	-0.0037989	0.89480523	0.93253978
Foxred2	0.01825784	0.01833453	0.02213723	-0.0038027	0.77746489	0.90650187
3110052M02	0.01816068	0.01821298	0.02202086	-0.0038079	0.77897628	0.90650187
4732414G09	0.01872823	0.01888892	0.02270038	-0.0038115	0.77229662	0.90650187
Vtcn1	0.02536213	0.02679185	0.0306049	-0.003813	0.710168	0.90650187
B430203G13	0.01561061	0.01514807	0.01896125	-0.0038132	0.8143469	0.9092537
Pik3c2g	0.01673743	0.01650097	0.02031451	-0.0038135	0.79801464	0.9075779
Ctf1	0.12773956	0.14064722	0.14446237	-0.0038152	0.54673059	0.90650187
Kcnq1	0.05141098	0.05715641	0.06097609	-0.0038197	0.60967926	0.90650187
Gm14325	0.02916403	0.0312824	0.03510345	-0.003821	0.6857747	0.90650187
Thrsp	0.00717215	0.00494011	0.00876134	-0.0038212	0.97374544	0.97994563
Cpt1a	0.10994004	0.12179982	0.12562419	-0.0038244	0.5538275	0.90650187
Spata33	0.05598132	0.06237316	0.06619786	-0.0038247	0.60135388	0.90650187
Nalcn	0.03324635	0.03607768	0.03990846	-0.0038308	0.66521206	0.90650187
Ufsp1	0.08331429	0.0929543	0.09678518	-0.0038309	0.56983822	0.90650187
Pax6os1	0.06620715	0.07393662	0.07776866	-0.003832	0.58669717	0.90650187
Prkar2a	0.32990966	0.33030275	0.33414192	-0.0038392	0.52036849	0.90650187
Ube2cbp	0.0307946	0.03318439	0.03702581	-0.0038414	0.67768343	0.90650187
Pde6c	0.02268483	0.02357537	0.02742327	-0.0038479	0.73361583	0.90650187
Ptpn13	0.12461227	0.13733147	0.1411809	-0.0038494	0.54823902	0.90650187
Cspg4	0.07498819	0.08373285	0.08758239	-0.0038495	0.57745984	0.90650187
Ccdc74a	0.03476419	0.03783553	0.04168835	-0.0038528	0.6594128	0.90650187
Kif9	0.04788776	0.05307481	0.05692923	-0.0038544	0.61828971	0.90650187
Adcy7	0.0167743	0.01650328	0.02035876	-0.0038555	0.80007683	0.90805731
5730409E04I	0.07861979	0.0877511	0.09160855	-0.0038575	0.57424642	0.90650187

Fgf1	0.04608977	0.05098896	0.05485676	-0.0038678	0.62302972	0.90650187
F2rl3	0.01200372	0.01074568	0.01461567	-0.00387	0.88042677	0.92605642
6030443J06F	0.0167904	0.01650759	0.02037808	-0.0038705	0.80076888	0.90809448
Prrc1	0.36695459	0.36081756	0.36469092	-0.0038734	0.51882965	0.90650187
Gm14286	0.01342997	0.01246272	0.01633654	-0.0038738	0.85409704	0.91608365
Defb25	0.01596638	0.01551469	0.01938874	-0.003874	0.81280303	0.9092537
Sh2d5	0.05529587	0.06154045	0.0654167	-0.0038763	0.6038879	0.90650187
Gdpgp1	0.05496594	0.06116218	0.06504045	-0.0038783	0.60452827	0.90650187
Gm10614	0.01067052	0.00912306	0.01300408	-0.003881	0.90770844	0.93845311
Ncam2	0.01541575	0.01484594	0.01872702	-0.0038811	0.82156074	0.9092537
Diras1	0.00703943	0.0047166	0.00859999	-0.0038834	0.97764912	0.98275653
Fgfr2	0.08148792	0.0908903	0.09477496	-0.0038847	0.57229399	0.90650187
Lrrc46	0.04306786	0.04747292	0.05136243	-0.0038895	0.63181015	0.90650187
Pcdhb17	0.04753878	0.05263473	0.05652736	-0.0038926	0.62024975	0.90650187
Nif3l1	0.2028539	0.21598564	0.21987863	-0.003893	0.53136842	0.90650187
Bcas3	0.08998744	0.10019191	0.10409005	-0.0038981	0.56611294	0.90650187
Gm10369	0.01129987	0.00986491	0.01376521	-0.0039003	0.89610038	0.93337138
4930532G15	0.01368069	0.01273832	0.01663872	-0.0039004	0.85132328	0.9150732
2200002J24F	0.01293191	0.01183316	0.01573598	-0.0039028	0.86489817	0.92040222
Tsacc	0.08304889	0.09259032	0.09649336	-0.003903	0.57135277	0.90650187
Lpcat4	0.07551511	0.08426439	0.08816773	-0.0039033	0.57801383	0.90650187
Rnf43	0.01008013	0.00838569	0.01228948	-0.0039038	0.92104852	0.94523755
Kif18b	0.01525081	0.01462268	0.01852871	-0.003906	0.82566621	0.90947782
Sik1	0.05483963	0.0609883	0.06489637	-0.0039081	0.60554059	0.90650187
Rilpl1	0.22952653	0.2412656	0.24517529	-0.0039097	0.52825807	0.90650187
Stard8	0.07122066	0.07947094	0.08338549	-0.0039145	0.58265864	0.90650187
9330159F19I	0.00656968	0.00411157	0.00802865	-0.0039171	0.9849571	0.98821581
Zc3h12b	0.00898489	0.00704027	0.0109623	-0.003922	0.94414157	0.95915899
Dennd2a	0.27443533	0.28222507	0.28614933	-0.0039243	0.52430733	0.90650187
Gcfc2	0.11807791	0.13036028	0.13428516	-0.0039249	0.55169155	0.90650187

Bard1	0.01772545	0.01757218	0.02149941	-0.0039272	0.79162295	0.90674858
Ogfod3	0.26544826	0.27417385	0.27810647	-0.0039326	0.52506261	0.90650187
Pprc1	0.10296075	0.11419793	0.11813084	-0.0039329	0.55883133	0.90650187
Tmem30a	0.91094493	0.7060562	0.70999616	-0.00394	0.50984086	0.90650187
Gm26881	0.04784327	0.05293551	0.056878	-0.0039425	0.62101475	0.90650187
Lrrn2	0.0441526	0.04867523	0.05261836	-0.0039431	0.63048801	0.90650187
Eaf2	0.01919771	0.01931738	0.0232621	-0.0039447	0.77453733	0.90650187
2500002B13	0.03279385	0.03543155	0.03937714	-0.0039456	0.67200257	0.90650187
Ube2r2	0.66492676	0.57030863	0.57425455	-0.0039459	0.51218479	0.90650187
Wtip	0.03847513	0.04207859	0.0460249	-0.0039463	0.6484651	0.90650187
Rhbdf2	0.04335854	0.04774671	0.05169915	-0.0039524	0.63302285	0.90650187
Fam184a	0.04964085	0.05499162	0.05894522	-0.0039536	0.61721615	0.90650187
Fam71e1	0.10958313	0.1212873	0.12524248	-0.0039552	0.55582525	0.90650187
Smarcal1	0.09914816	0.11005772	0.11401675	-0.003959	0.56133936	0.90650187
Itgb6	0.01464176	0.01383695	0.01779605	-0.0039591	0.83867258	0.91185623
Mat1a	0.01421261	0.01331992	0.01727944	-0.0039595	0.84582591	0.9136218
Gm684	0.01557213	0.01495458	0.018915	-0.0039604	0.82402653	0.90929265
Secisbp2l	0.20041389	0.21356127	0.21752746	-0.0039662	0.53230168	0.90650187
2810459M11	0.00636788	0.0038159	0.00778311	-0.0039672	0.98827468	0.99098467
Ddx58	0.06243986	0.0695553	0.07352385	-0.0039686	0.59481847	0.90650187
Krba1	0.13474576	0.14779906	0.15177144	-0.0039724	0.54631505	0.90650187
Zfp879	0.01499355	0.01424243	0.01821931	-0.0039769	0.83407151	0.91062493
Map3k9	0.03033708	0.03250991	0.03648684	-0.0039769	0.68600376	0.90650187
Peli2	0.11874176	0.13100793	0.1349881	-0.0039802	0.55214398	0.90650187
Ctf2	0.01025534	0.00851567	0.0125016	-0.0039859	0.92181803	0.94549985
Dexi	0.06319671	0.07039215	0.0743783	-0.0039861	0.59415753	0.90650187
Fam83e	0.00561392	0.00287748	0.00686508	-0.0039876	0.99509195	0.99594369
Gm26945	0.01022352	0.00847507	0.01246308	-0.003988	0.92256435	0.94559465
Draxin	0.01091967	0.00931536	0.01330547	-0.0039901	0.908762	0.93909526
Mfsd7b	0.04614753	0.05093255	0.05492342	-0.0039909	0.62666322	0.90650187

Dusp5	0.15997334	0.17360448	0.17761038	-0.0040059	0.53993423	0.90650187
Pip4k2c	0.23513307	0.24638931	0.25039938	-0.0040101	0.52837877	0.90650187
Gm20632	0.01586149	0.01524798	0.01926273	-0.0040147	0.82292132	0.9092537
Ccdc69	0.02635121	0.02775956	0.03177742	-0.0040179	0.71297298	0.90650187
Fam166a	0.03019244	0.03229769	0.03631638	-0.0040187	0.68861917	0.90650187
Gemin2	0.16810505	0.18176163	0.18578287	-0.0040212	0.53832884	0.90650187
Kcnj2	0.01880183	0.01876658	0.02278846	-0.0040219	0.78365431	0.90650187
Smim4	0.48588743	0.45144394	0.45546717	-0.0040232	0.51566197	0.90650187
Zfp59	0.02150511	0.0219896	0.02601769	-0.0040281	0.7543598	0.90650187
Arsg	0.0363732	0.03954255	0.04357124	-0.0040287	0.65948209	0.90650187
Trpc4	0.02055951	0.02085828	0.02488945	-0.0040312	0.76424521	0.90650187
Pask	0.03764959	0.04102778	0.04506203	-0.0040342	0.65468485	0.90650187
Trnp1	0.008883	0.00680341	0.01083872	-0.0040353	0.95105038	0.96353751
Chn2	0.02804821	0.02974754	0.03378553	-0.004038	0.7024053	0.90650187
Slc4a1ap	0.19641962	0.20962613	0.21366452	-0.0040384	0.53348164	0.90650187
Rmnd1	0.19313307	0.20643289	0.21047295	-0.0040401	0.53400203	0.90650187
Gprasp1	0.48480084	0.45064058	0.45468439	-0.0040438	0.51576916	0.90650187
Cidea	0.01404032	0.01302637	0.01707197	-0.0040456	0.85394178	0.91608365
Tmem170	0.01325921	0.01208499	0.01613068	-0.0040457	0.86757288	0.92056229
Prss16	0.01073085	0.0090262	0.01307707	-0.0040509	0.91576117	0.94222861
Gm10069	0.0282424	0.0299614	0.03401503	-0.0040536	0.70187146	0.90650187
Txnrd3	0.03931626	0.04294779	0.04700487	-0.0040571	0.64940297	0.90650187
Pyroxd2	0.04446834	0.04892477	0.05298358	-0.0040588	0.63328087	0.90650187
Ciart	0.01661473	0.01610833	0.02016726	-0.0040589	0.81453645	0.9092537
Gm15912	0.01495487	0.01411051	0.01817279	-0.0040623	0.83982845	0.91213511
Gm13889	0.02335945	0.02415426	0.02822604	-0.0040718	0.73933825	0.90650187
Gm42726	0.0202734	0.02047522	0.02454779	-0.0040726	0.76960366	0.90650187
Sh3bp2	0.02433105	0.025307	0.02938094	-0.0040739	0.73119268	0.90650187
Snx22	0.01925309	0.01925359	0.02332833	-0.0040747	0.7812762	0.90650187
Pter	0.06250585	0.06951881	0.07359837	-0.0040796	0.59732149	0.90650187

2010007H06	0.01416962	0.01314763	0.01722769	-0.0040801	0.8537972	0.91608365
Chrn4	0.01567365	0.0149565	0.01903701	-0.0040805	0.82967962	0.90974008
Zcchc10	0.25240028	0.26221043	0.26629187	-0.0040814	0.52716192	0.90650187
4933431E20	0.03573835	0.03874619	0.04282882	-0.0040826	0.66413468	0.90650187
Adgr2	0.09130997	0.10144406	0.10553035	-0.0040863	0.56833645	0.90650187
Nr1d1	0.01005932	0.00817607	0.01226428	-0.0040882	0.9308179	0.95091965
Gm43270	0.02162682	0.02207239	0.02616281	-0.0040904	0.75648682	0.90650187
Caps2	0.0109364	0.00923517	0.01332571	-0.0040905	0.9138182	0.94112131
Mreg	0.02763338	0.02919809	0.03329508	-0.004097	0.70782268	0.90650187
Pde8a	0.05969138	0.06631485	0.07041378	-0.0040989	0.60210056	0.90650187
Tigd3	0.01050057	0.00869302	0.01279843	-0.0041054	0.92307103	0.945972
Sntg2	0.01359744	0.01243247	0.01653839	-0.0041059	0.86513648	0.92040222
Ebf3	0.04670146	0.0514503	0.05556238	-0.0041121	0.62892682	0.90650187
Unc5cl	0.01208479	0.01059991	0.01471358	-0.0041137	0.89305089	0.93179124
Gm12999	0.00995407	0.00802005	0.01213682	-0.0041168	0.93421429	0.95276695
Kank4	0.01258539	0.01119342	0.0153179	-0.0041245	0.88435048	0.9278081
Cdan1	0.04026667	0.04397687	0.04811083	-0.004134	0.64876632	0.90650187
Pggt1b	0.15194286	0.16532922	0.169466	-0.0041368	0.5432085	0.90650187
Top3a	0.02911733	0.03090888	0.03504833	-0.0041394	0.70022814	0.90650187
Syt3	0.01047185	0.00861609	0.01276367	-0.0041476	0.92571598	0.94746893
Bche	0.01068015	0.00886421	0.01301573	-0.0041515	0.92190129	0.94549985
AW011738	0.01789478	0.01754901	0.02170232	-0.0041533	0.80255493	0.90870445
Zfp9	0.23460635	0.24575595	0.24990994	-0.004154	0.52945286	0.90650187
Gm26601	0.06769602	0.07528624	0.07944053	-0.0041543	0.59191735	0.90650187
Zfp319	0.07101731	0.07900407	0.08315837	-0.0041543	0.58787706	0.90650187
Pnma1	0.01315051	0.01184477	0.01599962	-0.0041549	0.87584302	0.92430504
Yap1	0.1329422	0.14573748	0.14989551	-0.004158	0.54907272	0.90650187
Pced1b	0.07855139	0.08737393	0.09153289	-0.004159	0.58003928	0.90650187
Ggact	0.15677141	0.17020809	0.17437187	-0.0041638	0.54227044	0.90650187
Kcnk12	0.0094891	0.00740966	0.01157352	-0.0041639	0.94513623	0.9597205

Gm12216	0.03001264	0.03193788	0.03610444	-0.0041666	0.69603688	0.90650187
Lats1	0.2611314	0.27004798	0.27421569	-0.0041677	0.52693493	0.90650187
Snn	0.18823625	0.20152778	0.20569617	-0.0041684	0.53589186	0.90650187
Gm20878	0.01273112	0.01132376	0.01549375	-0.00417	0.88424761	0.9278081
Nanp	0.01027361	0.0083489	0.01252372	-0.0041748	0.93082418	0.95091965
A330102I10F	0.01572581	0.01492376	0.01909969	-0.0041759	0.83447056	0.91062493
1700066B19	0.01028058	0.0083559	0.01253216	-0.0041763	0.93075948	0.95091965
Ccdc160	0.01945953	0.01939877	0.02357521	-0.0041764	0.7845219	0.90650187
Zfp429	0.04432871	0.04864359	0.05282209	-0.0041785	0.63745725	0.90650187
Usp43	0.01272171	0.0113003	0.01548239	-0.0041821	0.88509411	0.92807528
Npas4	0.01027962	0.00834837	0.012531	-0.0041826	0.93107769	0.95109952
1700084E18I	0.02814781	0.0297186	0.03390326	-0.0041847	0.70840066	0.90650187
Syt14	0.11481	0.12662929	0.13081699	-0.0041877	0.55658329	0.90650187
Mustn1	0.01939051	0.01930397	0.02349267	-0.0041887	0.7860076	0.90650187
Tnnc1	0.03863732	0.04202471	0.04621395	-0.0041892	0.65652157	0.90650187
Rpl6l	2.11868647	0.91986258	0.92405459	-0.004192	0.5080452	0.90650187
Msh5	0.04851987	0.05346163	0.05765666	-0.004195	0.62682545	0.90650187
Fam129c	0.01570022	0.0148735	0.01906894	-0.0041954	0.835987	0.91079271
1700047I17R	0.03669923	0.0397554	0.04395227	-0.0041969	0.66439844	0.90650187
Cpeb3	0.05503798	0.06092454	0.06512263	-0.0041981	0.61278412	0.90650187
Pde8b	0.01103963	0.00925185	0.01345055	-0.0041987	0.91739077	0.94283706
Efhb	0.01874113	0.01850599	0.02271583	-0.0042098	0.79499796	0.90731056
Nfkbid	0.02586622	0.02699122	0.03120267	-0.0042114	0.72575588	0.90650187
2810455O05	0.0120652	0.01047614	0.01468992	-0.0042138	0.89888347	0.93440169
3830406C13I	0.38283224	0.37322146	0.37743585	-0.0042144	0.51979494	0.90650187
lspd	0.07374704	0.08198115	0.08620205	-0.0042209	0.58616086	0.90650187
Gm9801	0.0148559	0.01383157	0.01805372	-0.0042222	0.85075472	0.91491493
Edem1	0.22132574	0.23324535	0.23747643	-0.0042311	0.53156589	0.90650187
Mtx1	0.41858676	0.40117333	0.40540721	-0.0042339	0.51851537	0.90650187
Tcea2	0.07312943	0.08127898	0.08551436	-0.0042354	0.58713575	0.90650187

Plekhn1	0.01593115	0.01510786	0.01934641	-0.0042386	0.83496574	0.91066681
Tbk1	0.18072408	0.19407889	0.19831776	-0.0042389	0.53785097	0.90650187
Itpr2	0.12142967	0.1335885	0.13782876	-0.0042403	0.55439282	0.90650187
Clk2	0.10025127	0.11095693	0.11520533	-0.0042484	0.56511061	0.90650187
Apbb2	0.30414132	0.30794117	0.31219487	-0.0042537	0.52414997	0.90650187
Synj2	0.00945488	0.00727626	0.01153205	-0.0042558	0.94956069	0.9624773
Rasa1	0.34197066	0.33995898	0.34421561	-0.0042566	0.52192087	0.90650187
Fut1	0.0238404	0.02454059	0.02879791	-0.0042573	0.74447827	0.90650187
Smpd5	0.01002562	0.00796526	0.01222347	-0.0042582	0.93927123	0.95593613
Man2c1os	0.02096199	0.02111153	0.02536984	-0.0042583	0.77222396	0.90650187
Gm42997	0.02515738	0.0261007	0.03036198	-0.0042613	0.73366588	0.90650187
4933417E11I	0.01598652	0.01514886	0.01941294	-0.0042641	0.83558764	0.91078214
Arhgap6	0.03534456	0.0381039	0.04236798	-0.0042641	0.67271534	0.90650187
Smpdl3b	0.02022427	0.02021591	0.02448911	-0.0042732	0.78104614	0.90650187
Shpk	0.02982995	0.03161356	0.03588904	-0.0042755	0.7018076	0.90650187
Tmem150c	0.05709647	0.06319117	0.06746721	-0.004276	0.61093654	0.90650187
Pacsin3	0.2012262	0.21403374	0.21831088	-0.0042771	0.53470329	0.90650187
Kcnj13	0.03281305	0.03511794	0.0393997	-0.0042818	0.68549682	0.90650187
Gpr173	0.05849379	0.06477078	0.06905514	-0.0042844	0.6086556	0.90650187
B4galnt1	0.01623408	0.01542206	0.01971027	-0.0042882	0.83327685	0.91056108
Ttc9	0.03534062	0.03807334	0.04236336	-0.00429	0.67371475	0.90650187
Maneal	0.01350758	0.01213423	0.0164301	-0.0042959	0.87745596	0.92482217
Tmem191c	0.06464106	0.07170997	0.07600659	-0.0042966	0.59921213	0.90650187
Scyl1	0.48452171	0.45018313	0.45448318	-0.0043	0.51677522	0.90650187
Srprb	0.57954266	0.51571674	0.52001803	-0.0043013	0.51466642	0.90650187
1110035H17I	0.0324484	0.03466998	0.03897131	-0.0043013	0.68816963	0.90650187
Adipor2	0.21679267	0.22888747	0.23319049	-0.004303	0.53269014	0.90650187
Pdpr	0.02391493	0.02458263	0.0288865	-0.0043039	0.74613029	0.90650187
Ntm	0.04826368	0.0530554	0.05736192	-0.0043065	0.63071948	0.90650187
Rnf19a	0.24541464	0.2555903	0.25989844	-0.0043081	0.52937208	0.90650187

Itpkc	0.03888996	0.04219748	0.04650834	-0.0043109	0.65985338	0.90650187
Ttc36	0.02202529	0.02232618	0.02663773	-0.0043116	0.7641024	0.90650187
Gm43137	0.01638471	0.0155773	0.01989113	-0.0043138	0.83250891	0.91029548
Ago4	0.06246495	0.06923545	0.07355218	-0.0043167	0.6029191	0.90650187
Cmpk2	0.03826404	0.04146055	0.04577879	-0.0043182	0.66251887	0.90650187
Traf4	0.62221149	0.54331799	0.54763746	-0.0043195	0.51398586	0.90650187
Nek7	0.3725683	0.3648985	0.3692208	-0.0043223	0.52075267	0.90650187
Daam2	0.01772847	0.0171758	0.02150302	-0.0043272	0.81450622	0.9092537
Ascl1	0.0097916	0.00760062	0.01194003	-0.0043394	0.9469185	0.96108087
Stx1b	0.02308857	0.0235637	0.02790379	-0.0043401	0.75536147	0.90650187
Dbndd2	0.05287767	0.0583116	0.06265525	-0.0043436	0.62103375	0.90650187
Elac2	0.18578576	0.19895164	0.20329605	-0.0043444	0.53784338	0.90650187
Mdga1	0.04261913	0.04649743	0.05084236	-0.0043449	0.64799636	0.90650187
Pigm	0.1149965	0.12666764	0.13101527	-0.0043476	0.55864056	0.90650187
Gm14508	0.01210701	0.01038923	0.01474041	-0.0043512	0.90528829	0.93719848
Zfp74	0.13815826	0.15095746	0.15531031	-0.0043528	0.54957831	0.90650187
Nos3	0.02060238	0.02058185	0.02494062	-0.0043588	0.78140335	0.90650187
D730045B01	0.01768857	0.01708873	0.0214552	-0.0043665	0.81720131	0.9092537
Siah1a	0.23590375	0.24674052	0.25111503	-0.0043745	0.53086482	0.90650187
Ap5z1	0.07763904	0.08614457	0.09052311	-0.0043785	0.58512839	0.90650187
lsm1	0.02407802	0.02470065	0.02908032	-0.0043797	0.7484229	0.90650187
Mpc2	1.25413902	0.83397248	0.83835239	-0.0043799	0.50926491	0.90650187
9030622O22	0.02471627	0.02545642	0.02983842	-0.004382	0.74308011	0.90650187
Tmprss4	0.02932008	0.03090556	0.0352876	-0.004382	0.70954604	0.90650187
Guca2a	0.0125843	0.01093338	0.01531659	-0.0043832	0.89835175	0.93440169
Gm14306	0.02035422	0.02025968	0.02464432	-0.0043846	0.78551324	0.90650187
Rnf150	0.02679932	0.02792056	0.03230812	-0.0043876	0.726988	0.90650187
Ddx59	0.05270028	0.05806056	0.06245234	-0.0043918	0.62271693	0.90650187
Usp51	0.17687596	0.19012178	0.19451431	-0.0043925	0.53998297	0.90650187
Ypel4	0.04075001	0.04428008	0.04867275	-0.0043927	0.65586769	0.90650187

Fastkd5	0.07107798	0.0788322	0.08322614	-0.0043939	0.59278177	0.90650187
Ccdc57	0.02627477	0.02729152	0.03168685	-0.0043953	0.73126941	0.90650187
Aip	0.5999239	0.52894703	0.53334321	-0.0043962	0.51461544	0.90650187
Socs1	0.10420604	0.11507569	0.11947233	-0.0043966	0.56497708	0.90650187
Wdr76	0.08459322	0.09379125	0.09819004	-0.0043988	0.57893028	0.90650187
Agpat4	0.41644147	0.39935764	0.40375649	-0.0043988	0.51931483	0.90650187
Ppp1r3b	0.01574621	0.01472343	0.0191242	-0.0044008	0.84684677	0.91420247
Dnhd1	0.01421814	0.01288409	0.01728611	-0.004402	0.87120465	0.92225579
Mbl2	0.01344911	0.01195649	0.01635961	-0.0044031	0.88425264	0.9278081
Rapgef5	0.01097735	0.00896987	0.01337524	-0.0044054	0.92843535	0.94954893
Telo2	0.22304558	0.23469114	0.23909701	-0.0044059	0.53264471	0.90650187
D130020L05I	0.091042	0.10083275	0.10523872	-0.004406	0.57382536	0.90650187
Hdac8	0.13081225	0.14326546	0.14767511	-0.0044096	0.55280361	0.90650187
Slc19a2	0.04369425	0.04767714	0.0520879	-0.0044108	0.6467089	0.90650187
Smyd5	0.12873428	0.14108977	0.14550367	-0.0044139	0.55363827	0.90650187
Ttc16	0.01644274	0.01554684	0.0199608	-0.004414	0.83721222	0.91105039
Gm4673	0.02494052	0.02569006	0.03010462	-0.0044146	0.7427691	0.90650187
1010001B22I	0.01239435	0.01066948	0.01508732	-0.0044178	0.90349958	0.93645828
Sft2d1	0.39589062	0.38334921	0.38776789	-0.0044187	0.52020113	0.90650187
Phkg1	0.01224163	0.01047446	0.01490296	-0.0044285	0.90675575	0.9379403
Gm9930	0.0543408	0.05989225	0.06432711	-0.0044349	0.62038429	0.90650187
Csrnp1	0.08747014	0.09690586	0.10134179	-0.0044359	0.57714415	0.90650187
Klhl29	0.01762426	0.01694187	0.02137812	-0.0044363	0.82187221	0.9092537
Npdc1	1.03841043	0.76176303	0.76620032	-0.0044373	0.51026995	0.90650187
Kcnh3	0.01647197	0.01555849	0.0199959	-0.0044374	0.83806846	0.91139496
Gm12728	0.01335973	0.01180836	0.01625187	-0.0044435	0.88791191	0.92986219
4732463B04I	0.00729597	0.00446603	0.00891185	-0.0044458	0.98671449	0.98964416
Mast1	0.01187663	0.01001266	0.01446216	-0.0044495	0.91430629	0.94143263
Rbm24	0.00946411	0.00708944	0.01154325	-0.0044538	0.95685294	0.96737098
BC025920	0.01961979	0.01931254	0.02376681	-0.0044543	0.79762686	0.9075779

Hist2h4	0.02115307	0.02114277	0.02559782	-0.004455	0.7804497	0.90650187
Camk1d	0.03369829	0.03597649	0.0404388	-0.0044623	0.68813136	0.90650187
4933406I18R	0.00817697	0.00551733	0.00998202	-0.0044647	0.97661637	0.98191318
Aunip	0.02644753	0.02742647	0.03189151	-0.004465	0.73316643	0.90650187
Rell2	0.00916885	0.00671593	0.01118535	-0.0044694	0.96216393	0.97133123
Atp6v1b1	0.00886599	0.00634509	0.0108181	-0.004473	0.96697941	0.97480297
Rap2c	0.09920539	0.10960266	0.1140784	-0.0044757	0.56923171	0.90650187
Gm17435	0.01248251	0.01071325	0.01519374	-0.0044805	0.90506557	0.93712658
2310011J03F	0.48880593	0.45308279	0.45756572	-0.0044829	0.5173705	0.90650187
Tmprss2	0.01399182	0.01252937	0.01701355	-0.0044842	0.87934248	0.92549228
Capza1	0.47741232	0.44485372	0.44934059	-0.0044869	0.51770382	0.90650187
Gm37065	0.0128415	0.01113977	0.01562692	-0.0044871	0.89911442	0.93440169
RP23-335G1	0.02239457	0.02259001	0.02707764	-0.0044876	0.7693715	0.90650187
Klhdc10	0.3133908	0.31564566	0.3201404	-0.0044947	0.52488415	0.90650187
Pex19	0.73776369	0.61292519	0.6174216	-0.0044964	0.51291366	0.90650187
Gm13154	0.03161122	0.03348569	0.037987	-0.0045013	0.70082889	0.90650187
Zfpm2	0.01927545	0.01885377	0.02335509	-0.0045013	0.80422739	0.90882608
B3gnt1l1	0.0289042	0.03029288	0.03479673	-0.0045039	0.7174926	0.90650187
Tstd1	0.0269887	0.02802617	0.03253231	-0.0045061	0.73097773	0.90650187
Zbtb32	0.00937627	0.0069292	0.01143678	-0.0045076	0.96012568	0.9701425
Sytl2	0.01291496	0.01120696	0.01571553	-0.0045086	0.89891321	0.93440169
Thoc3	0.74520315	0.61716542	0.62168138	-0.004516	0.51288096	0.90650187
Tcf25	1.4977223	0.88842568	0.89294235	-0.0045167	0.50897014	0.90650187
Igsf11	0.01810189	0.01743357	0.02195044	-0.0045169	0.81985127	0.9092537
Ldhd	0.03891463	0.04201969	0.04653707	-0.0045174	0.66696148	0.90650187
Zbtb3	0.02343745	0.023801	0.02831881	-0.0045178	0.76090729	0.90650187
Sfxn5	0.03264732	0.03468671	0.03920502	-0.0045183	0.69579619	0.90650187
Prss27	0.00969015	0.00729779	0.01181713	-0.0045193	0.95545123	0.96651455
Zkscan17	0.1155094	0.12703901	0.13156036	-0.0045213	0.56071514	0.90650187
Gppp1l1	0.42344362	0.40460864	0.4091305	-0.0045219	0.51959392	0.90650187

Gm10311	0.01904379	0.018553	0.02307799	-0.004525	0.80830501	0.9092537
Ggt7	0.01272709	0.01096314	0.01548889	-0.0045257	0.9030237	0.93635703
Cbarp	0.30118213	0.30510986	0.30963684	-0.004527	0.52591142	0.90650187
4930522L14F	0.03625008	0.03889804	0.04342731	-0.0045293	0.67855293	0.90650187
Cyp2e1	0.06874736	0.07608876	0.08061912	-0.0045304	0.59863654	0.90650187
Cecr2	0.05202425	0.05714407	0.0616786	-0.0045345	0.6281037	0.90650187
Sh3d21	0.05079018	0.05572739	0.06026439	-0.004537	0.6310694	0.90650187
Slc22a23	0.01887134	0.01833317	0.02287165	-0.0045385	0.81115261	0.9092537
Lrrtm2	0.01332794	0.01167394	0.01621355	-0.0045396	0.89338243	0.93181736
E2f7	0.03844935	0.04145458	0.04599485	-0.0045403	0.66961044	0.90650187
Ankrd17	0.71796469	0.60141068	0.60595286	-0.0045422	0.51329187	0.90650187
Abca8b	0.01224907	0.01036723	0.01491195	-0.0045447	0.91227326	0.94062208
4833412C05I	0.01239383	0.01053631	0.0150867	-0.0045504	0.91001833	0.93950381
Ssc4d	0.02400329	0.02444107	0.02899151	-0.0045504	0.75734015	0.90650187
5033417F24I	0.03576104	0.03830451	0.04285535	-0.0045508	0.68156611	0.90650187
Gm2447	0.01317465	0.01147788	0.01602872	-0.0045508	0.89655955	0.93371722
Rasgef1c	0.01849155	0.01786519	0.02241707	-0.0045519	0.81665698	0.9092537
Ucn3	0.02368283	0.02405798	0.02861059	-0.0045526	0.76034062	0.90650187
Nanos3	0.04799127	0.05249363	0.05704839	-0.0045548	0.63868214	0.90650187
A130014A01	0.04763576	0.05207455	0.05663906	-0.0045645	0.63992902	0.90650187
Rhbdd1	0.08218375	0.09097369	0.0955414	-0.0045677	0.5841566	0.90650187
Slc7a11	0.01877447	0.01818795	0.02275572	-0.0045678	0.81390237	0.9092537
4931428F04I	0.07534733	0.08341273	0.08798139	-0.0045687	0.5912843	0.90650187
Usp13	0.01306365	0.0113248	0.01589487	-0.0045701	0.89940931	0.93453795
Slc25a45	0.02003989	0.01969762	0.02426886	-0.0045712	0.79880679	0.90777025
Mapk8ip3	0.28146326	0.28781259	0.29238473	-0.0045721	0.52771125	0.90650187
Cetn4	0.11321987	0.12454708	0.12912467	-0.0045776	0.56261429	0.90650187
Tusc2	0.28383905	0.2899042	0.29448226	-0.0045781	0.52754974	0.90650187
Cecr5	0.09987145	0.11021728	0.11479558	-0.0045783	0.57036386	0.90650187
Fxyd4	0.0289569	0.03027713	0.03485895	-0.0045818	0.72049957	0.90650187

Brp	0.25143545	0.26082672	0.26541175	-0.004585	0.5306081	0.90650187
Dok7	0.02545167	0.02612287	0.03071111	-0.0045882	0.74671031	0.90650187
A830011K09	0.03189468	0.03372732	0.0383204	-0.0045931	0.70293132	0.90650187
Abhd14b	0.24358407	0.25362002	0.25821481	-0.0045948	0.53152631	0.90650187
Tldc1	0.01490704	0.01352007	0.01811525	-0.0045952	0.87027405	0.92175556
B3gnt4	0.0091291	0.00654018	0.01113716	-0.004597	0.96674507	0.97469601
Dll3	0.00865059	0.00595891	0.0105568	-0.0045979	0.97358049	0.97994563
Kcnn3	0.05133779	0.0562918	0.06089222	-0.0046004	0.6315141	0.90650187
Lmo1	0.07383226	0.08169628	0.08629691	-0.0046006	0.59367253	0.90650187
Ndst4	0.05112229	0.05603961	0.0606452	-0.0046056	0.63217294	0.90650187
Fut10	0.03857868	0.0415391	0.0461456	-0.0046065	0.6714006	0.90650187
Gm26733	0.01021492	0.00784606	0.01245267	-0.0046066	0.94997	0.96276378
A930038B10	0.02929729	0.03065064	0.03526072	-0.0046101	0.71945709	0.90650187
Fam76a	0.48626154	0.45111619	0.45573649	-0.0046203	0.51797425	0.90650187
Dynlt1a	0.26090833	0.26939268	0.27401416	-0.0046215	0.5298843	0.90650187
Faxc	0.03408918	0.03626433	0.04089724	-0.0046329	0.69273094	0.90650187
9530082P21f	0.01993659	0.01950224	0.02414543	-0.0046432	0.80369522	0.90882608
Tap1	0.06495628	0.07171816	0.07636155	-0.0046434	0.60654599	0.90650187
Irs1	0.053983	0.05927089	0.06391857	-0.0046477	0.62674735	0.90650187
Myo5c	0.01176056	0.00967135	0.01432195	-0.0046506	0.92557003	0.94746893
Alg13	0.07070799	0.07816137	0.0828128	-0.0046514	0.59859067	0.90650187
B9d1	0.70189055	0.59183367	0.59649787	-0.0046642	0.51386505	0.90650187
Zfp97	0.01323334	0.01143198	0.01609949	-0.0046675	0.90127581	0.93562068
Lrp3	0.05488476	0.06027856	0.06494785	-0.0046693	0.62536729	0.90650187
Ankrd40	0.20622659	0.2184439	0.2231182	-0.0046743	0.53710181	0.90650187
Fzd8	0.01108454	0.00882424	0.01350486	-0.0046806	0.93831647	0.9555402
Lrguk	0.0120344	0.00996838	0.01465272	-0.0046843	0.92237367	0.94557609
Npc1	0.11430758	0.12559752	0.13028262	-0.0046851	0.56350773	0.90650187
Kit	0.18379567	0.19665508	0.20134207	-0.004687	0.54121225	0.90650187
Pknox2	0.03397772	0.03607866	0.04076655	-0.0046879	0.69540009	0.90650187

Aldh18a1	0.25089798	0.26022738	0.26492107	-0.0046937	0.53138991	0.90650187
Nfxl1	0.24857773	0.25810366	0.26279959	-0.0046959	0.53165788	0.90650187
Mkln1os	0.01427144	0.01265034	0.01735028	-0.0046999	0.8857539	0.92839449
Dph2	0.10518624	0.11582616	0.12052687	-0.0047007	0.56882534	0.90650187
Malt1	0.01890934	0.01821449	0.02291713	-0.0047026	0.81918053	0.9092537
Pck2	0.41004623	0.3941114	0.3988152	-0.0047038	0.52090837	0.90650187
Apool	0.31359725	0.31561296	0.32031688	-0.0047039	0.52602629	0.90650187
U2surp	0.8619694	0.68048895	0.68519447	-0.0047055	0.51217776	0.90650187
Slc27a1	0.10440677	0.11498191	0.11968838	-0.0047065	0.5693867	0.90650187
6430571L13F	0.01674494	0.01561619	0.02032353	-0.0047073	0.84842263	0.91440801
Xlr4a	0.02778612	0.02876588	0.0334757	-0.0047098	0.73416823	0.90650187
Ankrd33b	0.01725594	0.01622632	0.02093654	-0.0047102	0.84138258	0.91251845
Aim1	0.01589334	0.01458832	0.01930099	-0.0047127	0.86114383	0.91848494
Ephb2	0.18037671	0.19325689	0.1979751	-0.0047182	0.54218871	0.90650187
9030617O03	0.02777734	0.02874274	0.03346532	-0.0047226	0.73478759	0.90650187
Fancc	0.05470298	0.06001437	0.06474046	-0.0047261	0.62723221	0.90650187
Aldh1l2	0.00834344	0.00545623	0.01018409	-0.0047279	0.98048292	0.98527936
Dubr	0.13233617	0.14453639	0.14926429	-0.0047279	0.55599131	0.90650187
Bmp1	0.35366215	0.34913364	0.35386176	-0.0047281	0.52368322	0.90650187
Rdh13	0.12701442	0.13896983	0.14370253	-0.0047327	0.55820183	0.90650187
Kif13b	0.02220855	0.02212133	0.02685607	-0.0047347	0.78341055	0.90650187
Stk38l	0.05266187	0.05766076	0.06240839	-0.0047476	0.63239109	0.90650187
Mapk11	0.02618883	0.02683569	0.03158502	-0.0047493	0.74808361	0.90650187
Serpina9	0.02117637	0.02087027	0.02562562	-0.0047553	0.79530603	0.907548
Acot6	0.02526821	0.0257358	0.03049347	-0.0047577	0.75603848	0.90650187
6330403L08F	0.01839793	0.01754548	0.02230498	-0.0047595	0.82859214	0.9096066
Mterf3	0.33259808	0.33163597	0.33639804	-0.0047621	0.52508975	0.90650187
Gm26797	0.01533291	0.01386445	0.01862743	-0.004763	0.87217416	0.92254675
Maoa	0.13588693	0.14819185	0.1529564	-0.0047645	0.55506922	0.90650187
Slc24a3	0.03786082	0.04054047	0.0453085	-0.004768	0.68004767	0.90650187

Fah	0.05104776	0.05579	0.06055976	-0.0047698	0.63688349	0.90650187
Arhgef9	0.12216629	0.13383221	0.13860571	-0.0047735	0.56084192	0.90650187
A630072M18	0.08467819	0.09350972	0.09828329	-0.0047736	0.58547529	0.90650187
Cdk16	0.54863658	0.49456025	0.49933411	-0.0047739	0.51695077	0.90650187
Ube3c	0.39667406	0.38360429	0.38838331	-0.004779	0.52181237	0.90650187
Kcnc2	0.01166195	0.0094233	0.01420281	-0.0047795	0.93267711	0.95188026
Dpp10	0.01458885	0.01295183	0.01773238	-0.0047806	0.8846409	0.92796521
Mtm1	0.0966996	0.10659378	0.11137482	-0.004781	0.57567402	0.90650187
Iffo2	0.04909927	0.0535406	0.05832292	-0.0047823	0.64226815	0.90650187
Ap1m2	0.33204599	0.33114962	0.33593523	-0.0047856	0.52524833	0.90650187
Whrn	0.05917814	0.06504536	0.06983178	-0.0047864	0.61970711	0.90650187
Sphk1	0.05822894	0.06396539	0.06875438	-0.004789	0.62158747	0.90650187
Ehd3	0.03276675	0.03455317	0.03934531	-0.0047921	0.705905	0.90650187
Upb1	0.15918636	0.17202295	0.17681548	-0.0047925	0.54795523	0.90650187
Tmem147os	0.02195717	0.02176304	0.02655656	-0.0047935	0.78885134	0.90650187
Mettl22	0.08309252	0.09174073	0.09654134	-0.0048006	0.58747798	0.90650187
Cfap43	0.07853512	0.08671363	0.0915149	-0.0048013	0.59221092	0.90650187
Dagla	0.01523108	0.01370361	0.01850499	-0.0048014	0.87564235	0.92418014
Gm17669	0.02007879	0.0195129	0.02431532	-0.0048024	0.8100376	0.9092537
Gm28050	0.01677569	0.01555597	0.02036043	-0.0048045	0.85291811	0.91562204
Eif5a2	0.0507876	0.0554558	0.06026143	-0.0048056	0.63852571	0.90650187
Cdip1	0.25416954	0.26309453	0.26790347	-0.0048089	0.53180183	0.90650187
Derl3	0.03472696	0.03683484	0.04164474	-0.0048099	0.69618541	0.90650187
2810408A11	0.05045871	0.05507259	0.05988414	-0.0048116	0.63952696	0.90650187
Cutal	0.01523461	0.01369529	0.01850923	-0.0048139	0.87620594	0.92449549
Polg2	0.08748575	0.09654082	0.10135886	-0.004818	0.58368101	0.90650187
Vsig10l	0.01823944	0.01729624	0.02211519	-0.0048189	0.83365437	0.91062493
Zfp458	0.03765194	0.04023204	0.04506478	-0.0048327	0.68322865	0.90650187
Drg2	0.42251846	0.40358853	0.4084227	-0.0048342	0.52098229	0.90650187
Crybb3	0.02763602	0.02846133	0.0332982	-0.0048369	0.74078439	0.90650187

Papd7	0.10957403	0.1203924	0.12523273	-0.0048403	0.56821276	0.90650187
Rbm8a2	0.19694324	0.20933116	0.21417195	-0.0048408	0.54001882	0.90650187
Clcn6	0.06094679	0.0669947	0.07183573	-0.004841	0.6177553	0.90650187
9130019O22	0.05260668	0.05749926	0.06234525	-0.004846	0.63515913	0.90650187
1700030J22F	0.02288907	0.02282013	0.02766637	-0.0048462	0.78192891	0.90650187
Aqp4	0.03364405	0.0355221	0.04037518	-0.0048531	0.70345377	0.90650187
Rnf5	0.74374379	0.61599354	0.62084797	-0.0048544	0.51386456	0.90650187
4930503L19F	0.04497107	0.04870987	0.0535648	-0.0048549	0.65650166	0.90650187
Itga8	0.02755644	0.0283489	0.03320407	-0.0048552	0.74216877	0.90650187
Lrrc27	0.02782318	0.02866361	0.03351951	-0.0048559	0.74022037	0.90650187
Vsig2	0.02701762	0.02770712	0.03256655	-0.0048594	0.74644757	0.90650187
Galnt14	0.02668285	0.02730899	0.03217021	-0.0048612	0.74913597	0.90650187
C920021L13F	0.0521948	0.05700858	0.06187387	-0.0048653	0.63666861	0.90650187
Car13	0.01885551	0.01798558	0.02285271	-0.0048671	0.82813399	0.90957116
Mnx1	0.05790953	0.06352366	0.06839153	-0.0048679	0.62415916	0.90650187
Sirt6	0.23110015	0.24177016	0.24664475	-0.0048746	0.53500653	0.90650187
1010001N08	0.03984157	0.04274168	0.04761633	-0.0048746	0.67548553	0.90650187
Strada	0.09959264	0.10961889	0.11449545	-0.0048766	0.57508917	0.90650187
Abcc12	0.01231112	0.01011012	0.01498685	-0.0048767	0.92599596	0.94759147
Gm6793	0.04785576	0.05201039	0.05689238	-0.004882	0.64857732	0.90650187
Angptl8	0.01214189	0.00989658	0.01478253	-0.004886	0.92913384	0.94996709
Plekhf2	0.21900179	0.23039564	0.2352818	-0.0048862	0.53677933	0.90650187
Foxj2	0.10527093	0.11572989	0.12061793	-0.004888	0.57148578	0.90650187
Hspa1b	0.01714214	0.01591159	0.02080006	-0.0048885	0.85194589	0.91551074
Echdc2	0.2606412	0.26888143	0.27377275	-0.0048913	0.53165341	0.90650187
Atp8a2	0.01522947	0.01360704	0.01850306	-0.004896	0.88026917	0.92599812
Erc2	0.01776192	0.01664512	0.02154311	-0.004898	0.84393045	0.91300169
Sla2	0.01158781	0.00920525	0.01411322	-0.004908	0.93894652	0.95593613
Ss18	0.46154556	0.43282613	0.43773603	-0.0049099	0.51988481	0.90650187
Epha7	0.16849311	0.18125958	0.18617102	-0.0049114	0.54668131	0.90650187

Gm15638	0.01407707	0.01220453	0.01711622	-0.0049117	0.89897189	0.93440169
Lrrc8e	0.02215162	0.0218748	0.02678825	-0.0049134	0.7925795	0.90681274
Zbed5	0.02964323	0.03075393	0.03566883	-0.0049149	0.72992014	0.90650187
Zfp953	0.02560926	0.02598218	0.03089801	-0.0049158	0.76030693	0.90650187
Grb7	0.30017598	0.30384427	0.30876531	-0.004921	0.52824268	0.90650187
Vti1a	0.07577634	0.08353046	0.08845778	-0.0049273	0.59779017	0.90650187
Mtcp1	0.04207942	0.0452866	0.05021643	-0.0049298	0.66873843	0.90650187
Trim14	0.01163947	0.00924418	0.01417564	-0.0049315	0.93901427	0.95593613
Gm16287	0.01056196	0.00794072	0.01287272	-0.004932	0.95574141	0.96674375
9130221H12	0.02193906	0.02160125	0.02653497	-0.0049337	0.79576367	0.9075779
Ccdc73	0.05478994	0.05990535	0.06483968	-0.0049343	0.63243637	0.90650187
Rnf157	0.06941901	0.07643634	0.08137124	-0.0049349	0.60627041	0.90650187
Ulbp1	0.01488042	0.01314742	0.01808322	-0.0049358	0.88751599	0.92965343
1810010H24	0.03346616	0.03521913	0.04016644	-0.0049473	0.70800521	0.90650187
Cecr6	0.05100926	0.05556692	0.06051562	-0.0049487	0.64190008	0.90650187
Wdpcp	0.05780188	0.06331718	0.06826921	-0.004952	0.62645163	0.90650187
B230398E01	0.01715227	0.0158601	0.02081221	-0.0049521	0.85492646	0.91627438
Ankrd55	0.0121603	0.00985124	0.01480476	-0.0049535	0.9315526	0.95113723
AA543186	0.01551047	0.01388675	0.01884088	-0.0049541	0.87878874	0.92542207
E430024P14I	0.12092327	0.13233942	0.13729425	-0.0049548	0.56373205	0.90650187
1700016L21F	0.01193869	0.00958123	0.01453713	-0.0049559	0.93518549	0.95337366
Rad54b	0.02496116	0.02517064	0.03012912	-0.0049585	0.76780386	0.90650187
Polm	0.0433371	0.04671577	0.05167432	-0.0049586	0.66516112	0.90650187
Lrrtm3	0.04055651	0.04348843	0.04844783	-0.0049594	0.6754737	0.90650187
Stx2	0.14585113	0.15827818	0.16323782	-0.0049596	0.55372189	0.90650187
Als2	0.03457781	0.03650572	0.04146999	-0.0049643	0.7026967	0.90650187
Gm10451	0.04347745	0.04687201	0.05183687	-0.0049649	0.66487101	0.90650187
Mst1r	0.02058787	0.01995625	0.02492331	-0.0049671	0.81218627	0.9092537
Sema4c	0.20756063	0.21942853	0.2243963	-0.0049678	0.53919996	0.90650187
Gm14091	0.03391338	0.03572332	0.0406911	-0.0049678	0.70634635	0.90650187

H6pd	0.08871135	0.09772954	0.10269799	-0.0049684	0.58514551	0.90650187
Paqr3	0.01745175	0.01620146	0.02117132	-0.0049699	0.85166105	0.91530682
Cyp4f15	0.01527428	0.01358442	0.01855693	-0.0049725	0.88322109	0.92745622
Chd6	0.55378828	0.49784802	0.50282254	-0.0049745	0.51754031	0.90650187
Syvn1	0.18037051	0.19299122	0.19796898	-0.0049778	0.54450145	0.90650187
Arrdc2	0.03819403	0.04071927	0.04569716	-0.0049779	0.68590254	0.90650187
Cdc7	0.11577274	0.12686192	0.13184009	-0.0049782	0.56665415	0.90650187
Naif1	0.01074595	0.00811088	0.01309534	-0.0049845	0.95468875	0.96606468
Smim5	0.0160629	0.01451925	0.01950468	-0.0049854	0.87208559	0.92254675
Epg5	0.02671526	0.02721653	0.03220859	-0.0049921	0.75459865	0.90650187
Txndc17	1.3368016	0.85496506	0.85995961	-0.0049945	0.51029937	0.90650187
Gm17690	0.01642117	0.01493841	0.01993491	-0.0049965	0.8674138	0.92056229
Mss51	0.04756422	0.05155648	0.05655666	-0.0050002	0.65285357	0.90650187
Nphs1	0.01149057	0.00899383	0.01399571	-0.0050019	0.94394736	0.95903292
Sord	0.11958843	0.13088112	0.13588384	-0.0050027	0.56500454	0.90650187
Dock8	0.05988146	0.06562549	0.07062922	-0.0050037	0.62359994	0.90650187
Nxph1	0.05432109	0.05929659	0.06430461	-0.005008	0.63541215	0.90650187
Snx9	0.17628339	0.18891283	0.19392717	-0.0050143	0.54575731	0.90650187
Mob3b	0.07349741	0.08090582	0.08592416	-0.0050183	0.60243019	0.90650187
Paupar	0.0110448	0.00843841	0.01345681	-0.0050184	0.95132947	0.9636744
Large	0.0793016	0.0873439	0.09236233	-0.0050184	0.59543487	0.90650187
Gstt3	0.07547783	0.08309906	0.08812634	-0.0050273	0.60009967	0.90650187
Gm37305	0.02609596	0.02644716	0.03147497	-0.0050278	0.76119187	0.90650187
Wars2	0.12356153	0.13502801	0.14007553	-0.0050475	0.56363595	0.90650187
Nphp4	0.01102931	0.0083872	0.01343807	-0.0050509	0.95263308	0.96449816
Tmem136	0.03487613	0.03676749	0.04181948	-0.005052	0.70438331	0.90650187
Kremen1	0.11994382	0.13120734	0.13625956	-0.0050522	0.56546259	0.90650187
Il17rd	0.03696102	0.03920055	0.04425811	-0.0050576	0.6942799	0.90650187
Zfp449	0.12961545	0.14136617	0.14642511	-0.0050589	0.56103515	0.90650187
Ntn4	0.01950236	0.01856592	0.02362641	-0.0050605	0.82950079	0.90974008

Mettl14	0.06804624	0.07477209	0.07983331	-0.0050612	0.6109669	0.90650187
Ddx11	0.02544919	0.0256465	0.03070816	-0.0050617	0.76815204	0.90650187
Jade2	0.01913134	0.01811946	0.02318271	-0.0050632	0.8342128	0.91062493
RP23-124B2.	0.03364398	0.03531171	0.04037509	-0.0050634	0.7114126	0.90650187
Tmem140	0.0259044	0.02617949	0.03124793	-0.0050684	0.76457004	0.90650187
Plekhg6	0.02024911	0.0194501	0.02451878	-0.0050687	0.82095856	0.9092537
Gm4707	0.08658096	0.09529929	0.10036892	-0.0050696	0.58883425	0.90650187
Rasal1	0.02684868	0.02729644	0.03236655	-0.0050701	0.7569076	0.90650187
Spata7	0.113902	0.12477688	0.12985102	-0.0050741	0.56895695	0.90650187
Ncmap	0.01046143	0.00767206	0.01275106	-0.005079	0.96170082	0.97109168
Copg2	0.36426565	0.35743049	0.36251184	-0.0050814	0.52484375	0.90650187
Shroom4	0.01378259	0.01167976	0.01676149	-0.0050817	0.91114107	0.94014766
Pank4	0.11595852	0.12695343	0.13203738	-0.0050839	0.56795612	0.90650187
4930524J08F	0.0164481	0.01488191	0.01996724	-0.0050853	0.8712298	0.92225579
Vps13c	0.09928349	0.1090751	0.11416252	-0.0050874	0.57852039	0.90650187
Syt16	0.05954102	0.06515077	0.07024331	-0.0050925	0.62638738	0.90650187
Hoga1	0.01733007	0.0159276	0.02102543	-0.0050978	0.85945686	0.91800029
Adamts4	0.04248351	0.04558589	0.05068511	-0.0050992	0.67265426	0.90650187
Zbtb25	0.09480392	0.10422384	0.10932375	-0.0050999	0.5821457	0.90650187
Arhgef10l	0.0639831	0.0701649	0.07526522	-0.0051003	0.61838985	0.90650187
Lss	0.08062319	0.08871942	0.09382153	-0.0051021	0.59551574	0.90650187
Sestd1	0.18365185	0.19609777	0.2012007	-0.0051029	0.54488609	0.90650187
Pdcd2l	0.30219046	0.30540605	0.31050935	-0.0051033	0.52912269	0.90650187
Fanca	0.03166452	0.0329452	0.0380497	-0.0051045	0.72454409	0.90650187
RP23-218K1E	0.22229441	0.23328415	0.23838957	-0.0051054	0.53792536	0.90650187
Samd1	0.10961932	0.12017189	0.12528119	-0.0051093	0.57193542	0.90650187
2810405F17I	0.01762986	0.01627415	0.02138483	-0.0051107	0.85598162	0.9165432
Ints2	0.18839095	0.20073666	0.20584746	-0.0051108	0.54394439	0.90650187
Gm7628	0.0167984	0.01527679	0.02038768	-0.0051109	0.86745659	0.92056229
Porcn	0.05429102	0.05915622	0.06427028	-0.0051141	0.63823397	0.90650187

Pde9a	0.03113926	0.03231658	0.03743161	-0.005115	0.72823795	0.90650187
Carns1	0.02014367	0.01927647	0.02439283	-0.0051164	0.82445057	0.90933631
Mknk2	0.17347003	0.18601629	0.19113424	-0.005118	0.54737771	0.90650187
Zfp639	0.26708731	0.27445949	0.27957912	-0.0051196	0.53244105	0.90650187
Lrrc10b	0.03129614	0.03248769	0.03761626	-0.0051286	0.72777927	0.90650187
Tube1	0.02712567	0.02756333	0.03269443	-0.0051311	0.75731695	0.90650187
Zbtb12	0.14859958	0.160909	0.16605338	-0.0051444	0.55477157	0.90650187
Hsbp1l1	0.05385873	0.05863107	0.06377663	-0.0051456	0.64008129	0.90650187
Arfgap1	0.54459424	0.49143666	0.49658549	-0.0051488	0.51838239	0.90650187
Gm4353	0.031933	0.03321532	0.03836546	-0.0051501	0.7246704	0.90650187
Zfp575	0.07954923	0.08748546	0.09263593	-0.0051505	0.59761213	0.90650187
Nek3	0.08712204	0.09580972	0.10096106	-0.0051513	0.58972131	0.90650187
Pawr	0.02046274	0.01961853	0.0247739	-0.0051554	0.8225476	0.9092537
Batf3	0.0500144	0.05420456	0.05937418	-0.0051696	0.65064881	0.90650187
Pqlc2	0.10553763	0.11573389	0.12090462	-0.0051707	0.57539449	0.90650187
Gm7160	0.02042568	0.01955712	0.02472966	-0.0051725	0.82377751	0.9092537
Nrip2	0.02290483	0.02251253	0.02768513	-0.0051726	0.79690081	0.9075779
Polr2l	0.97770821	0.73616698	0.74134226	-0.0051753	0.51237901	0.90650187
Hlf	0.01311929	0.0107848	0.01596197	-0.0051772	0.92533558	0.94735258
Gm21988	0.13374922	0.14555258	0.15073539	-0.0051828	0.56074385	0.90650187
Bbc3	0.11025413	0.12077285	0.12596	-0.0051872	0.57263012	0.90650187
6720427I07R	0.05317428	0.05780438	0.06299444	-0.0051901	0.64291799	0.90650187
Agpat5	0.27180169	0.27860991	0.28380076	-0.0051909	0.53240318	0.90650187
Gm15491	0.01511651	0.01317434	0.01836721	-0.0051929	0.89560213	0.93317211
Auh	0.55873386	0.50096138	0.50615618	-0.0051948	0.51819592	0.90650187
Ankrd54	0.58695763	0.51969767	0.52489465	-0.005197	0.51755413	0.90650187
Camsap2	0.16998923	0.18246395	0.18766592	-0.005202	0.54903718	0.90650187
Fam53b	0.10685267	0.11711311	0.12231694	-0.0052038	0.57500569	0.90650187
Otop3	0.03509041	0.03686157	0.04207043	-0.0052089	0.70898547	0.90650187
Sowahb	0.01423094	0.01209178	0.01730153	-0.0052097	0.90965573	0.9393235

Lamb2	0.13198528	0.14368731	0.14889862	-0.0052113	0.56182263	0.90650187
Nnt	0.21623124	0.22743526	0.2326582	-0.0052229	0.53974815	0.90650187
2310015A10	0.11827567	0.12926447	0.13449462	-0.0052302	0.56862647	0.90650187
Abl1	0.22076051	0.23169571	0.23694317	-0.0052475	0.53921429	0.90650187
Gm30173	0.01787374	0.01642689	0.02167711	-0.0052502	0.85919953	0.91797966
Gm26521	0.01728632	0.01572202	0.02097297	-0.0052509	0.86715338	0.92056229
Zfp513	0.23718093	0.24704017	0.25229972	-0.0052596	0.53691915	0.90650187
Al429214	0.03258055	0.0338655	0.03912658	-0.0052611	0.72500317	0.90650187
2010109A12	0.02066924	0.01975701	0.02502045	-0.0052634	0.82515795	0.90934433
Map10	0.0495279	0.05354554	0.05881547	-0.0052699	0.65480698	0.90650187
Xxylt1	0.015775	0.01388842	0.0191588	-0.0052704	0.88932366	0.9302877
Fam83f	0.02916856	0.02983767	0.03510879	-0.0052711	0.74775712	0.90650187
Nadsyn1	0.04340973	0.04648249	0.05175844	-0.005276	0.67478303	0.90650187
Dach2	0.01651769	0.01477247	0.02005078	-0.0052783	0.87905868	0.92549228
Mms19	0.17504656	0.18742206	0.19270042	-0.0052784	0.5484602	0.90650187
Tiam1	0.02975963	0.03052648	0.03580612	-0.0052796	0.7439298	0.90650187
Zfp811	0.01960165	0.01846475	0.02374512	-0.0052804	0.8385708	0.91181078
Fam126a	0.1398428	0.1517714	0.15705215	-0.0052808	0.55941254	0.90650187
Tvp23a	0.06452714	0.07059177	0.07587827	-0.0052865	0.62161642	0.90650187
Adsl	0.30299225	0.30591342	0.3112025	-0.0052891	0.53011375	0.90650187
Chst11	0.02810899	0.02856054	0.03385737	-0.0052968	0.75662721	0.90650187
Tatdn2	0.05397173	0.05860651	0.06390569	-0.0052992	0.64380115	0.90650187
Fbxw8	0.13375162	0.1454382	0.15073788	-0.0052997	0.56210164	0.90650187
Acsf2	0.06861276	0.07516712	0.08046832	-0.0053012	0.61519064	0.90650187
Cdyl2	0.0823366	0.09040726	0.09570967	-0.0053024	0.5972714	0.90650187
Proc	0.02488559	0.0247344	0.03003942	-0.005305	0.78380341	0.90650187
Bsn	0.01728115	0.01565788	0.02096677	-0.0053089	0.86984313	0.92149177
Prdm6	0.03297142	0.03427328	0.03958568	-0.0053124	0.72461315	0.90650187
Ppp6r2	0.01369135	0.01133597	0.01665156	-0.0053156	0.92207203	0.94549985
Ppp1r13l	0.03317997	0.03451475	0.03983054	-0.0053158	0.72351325	0.90650187

Itga2b	0.03437708	0.03591692	0.04123475	-0.0053178	0.71678828	0.90650187
Slc12a9	0.13626629	0.14803185	0.15334997	-0.0053181	0.56126292	0.90650187
Zfp1	0.51268195	0.46919383	0.47451545	-0.0053216	0.51988178	0.90650187
Nhej1	0.03837765	0.0405888	0.04591125	-0.0053225	0.69685471	0.90650187
Schip1.1	0.04148535	0.04419837	0.04952695	-0.0053286	0.68378186	0.90650187
Rnd2	0.03588677	0.0376731	0.04300244	-0.0053293	0.70916585	0.90650187
Furin	0.26929029	0.27622334	0.28155445	-0.0053311	0.53354158	0.90650187
Ddx19b	0.06662591	0.07290505	0.07823922	-0.0053342	0.6190899	0.90650187
Ccdc88c	0.03002974	0.03078116	0.0361246	-0.0053434	0.74459592	0.90650187
Adora1	0.03060219	0.03145397	0.03679919	-0.0053452	0.74077646	0.90650187
Zfp11	0.02171631	0.02092207	0.02626948	-0.0053474	0.81725345	0.9092537
Ctns	0.06750791	0.07387819	0.07922947	-0.0053513	0.61801184	0.90650187
Zc3h8	0.10528313	0.11527573	0.12063105	-0.0053553	0.57822672	0.90650187
Tox4	0.46100905	0.43197584	0.4373405	-0.0053647	0.52174447	0.90650187
Mansc1	0.06754163	0.07390172	0.07926731	-0.0053656	0.6182631	0.90650187
Kifc5b	0.02565536	0.0255863	0.03095268	-0.0053664	0.77957261	0.90650187
Gm27217	0.01850461	0.01706597	0.02243271	-0.0053667	0.8562345	0.9165432
Bola2	1.16692678	0.80662891	0.81199667	-0.0053678	0.51172242	0.90650187
Gen1	0.00922136	0.00588005	0.01124901	-0.005369	0.98307317	0.98709923
Cnbd2	0.02582108	0.02577926	0.03114916	-0.0053699	0.77827818	0.90650187
Samd15	0.04598958	0.04937037	0.05474113	-0.0053708	0.66864251	0.90650187
Gramd1b	0.019051	0.01771322	0.0230866	-0.0053734	0.84959786	0.91464143
Rab3c	0.05809318	0.06322672	0.06860018	-0.0053735	0.63616429	0.90650187
Gm15614	0.03160991	0.03261148	0.03798546	-0.005374	0.73530613	0.90650187
Gm10762	0.0299701	0.03067716	0.03605429	-0.0053771	0.74633995	0.90650187
Cx3cl1	0.05149094	0.05568901	0.06106772	-0.0053787	0.65230795	0.90650187
Paip2b	0.23788986	0.24757606	0.25295662	-0.0053806	0.53766825	0.90650187
Dbil5	0.01338416	0.01089937	0.01628132	-0.005382	0.92915668	0.94996709
Trpv2	0.01302328	0.01046089	0.01584619	-0.0053853	0.93458422	0.95301635
Zfp108	0.01918934	0.01786246	0.02325209	-0.0053896	0.84860102	0.91440801

1700086P04I	0.01429557	0.01198457	0.01737934	-0.0053948	0.9162024	0.94231902
Ryr3	0.01588283	0.0138914	0.01928837	-0.005397	0.89323185	0.93181736
Gm20554	0.02953956	0.03014584	0.03554655	-0.0054007	0.75030051	0.90650187
Tradd	0.24765122	0.25654704	0.261951	-0.005404	0.53653629	0.90650187
Nudt12	0.03842606	0.04056341	0.0459677	-0.0054043	0.69939357	0.90650187
Gm5422	0.01306267	0.01048725	0.01589368	-0.0054064	0.93476219	0.95313389
Eps8l1	0.02847708	0.0288849	0.03429232	-0.0054074	0.75835156	0.90650187
Gm37276	0.01443828	0.01213898	0.01755115	-0.0054122	0.91479238	0.94167513
Yjefn3	0.04175194	0.0444187	0.04983643	-0.0054177	0.68555241	0.90650187
Rdh5	0.03456949	0.03603867	0.04146024	-0.0054216	0.71949163	0.90650187
Card6	0.01825308	0.01670743	0.02213152	-0.0054241	0.86204426	0.91899895
Fndc3b	0.34092339	0.33791619	0.34334576	-0.0054296	0.52802319	0.90650187
Exosc10	0.28537237	0.29040354	0.29583324	-0.0054297	0.53251536	0.90650187
Gins3	0.06115124	0.06663594	0.07206709	-0.0054311	0.63119938	0.90650187
Junos	0.0187354	0.01727671	0.02270897	-0.0054323	0.85620917	0.9165432
Gm26534	0.0170011	0.01519359	0.02063087	-0.0054373	0.87932967	0.92549228
Ttll5	0.05595035	0.06072428	0.06616258	-0.0054383	0.64259781	0.90650187
Kiz	0.32283143	0.32273255	0.32817234	-0.0054398	0.52937162	0.90650187
Zswim5	0.01286316	0.0102092	0.01565304	-0.0054438	0.93895989	0.95593613
Prss36	0.11171324	0.12207101	0.12751834	-0.0054473	0.57530911	0.90650187
Atxn3	0.06910725	0.07557135	0.08102222	-0.0054509	0.61756186	0.90650187
Tmem51os1	0.0175916	0.01588694	0.02133898	-0.005452	0.87198774	0.92254675
Rgp1	0.09289251	0.10179211	0.10725063	-0.0054585	0.58950002	0.90650187
Slc37a1	0.21242628	0.22357822	0.22904219	-0.005464	0.54222993	0.90650187
Thtpa	0.20059623	0.21223812	0.21770337	-0.0054653	0.54443091	0.90650187
Raet1d	0.02132271	0.02033364	0.02580016	-0.0054665	0.82688647	0.90947782
Tlr3	0.03613583	0.03782595	0.04329373	-0.0054678	0.71275711	0.90650187
Dusp23	0.17742019	0.18958435	0.19505321	-0.0054689	0.54959771	0.90650187
Trim65	0.04174413	0.04435678	0.04982735	-0.0054706	0.68725533	0.90650187
Zfp248	0.06713455	0.07333683	0.07881043	-0.0054736	0.62124773	0.90650187

Arid1b	0.29114479	0.29542624	0.30089994	-0.0054737	0.5322275	0.90650187
Sel1l3	0.02558834	0.02539608	0.0308732	-0.0054771	0.78485075	0.90650187
F730016J06F	0.01587817	0.01379651	0.01928277	-0.0054863	0.89703676	0.9340267
Slain1	0.04430609	0.04730891	0.05279592	-0.005487	0.67796873	0.90650187
Zfp28	0.05736088	0.06227987	0.06776791	-0.005488	0.64058326	0.90650187
Slc38a9	0.08148813	0.08928705	0.0947752	-0.0054881	0.60157718	0.90650187
Rundc3b	0.02521806	0.02494072	0.03043398	-0.0054933	0.78884535	0.90650187
Golt1a	0.02004592	0.01878124	0.02427606	-0.0054948	0.84285278	0.91273395
Aph1c	0.0278168	0.02801603	0.03351197	-0.0054959	0.76702283	0.90650187
Gne	0.13154601	0.14294323	0.14844063	-0.0054974	0.56538643	0.90650187
Gm20045	0.05705879	0.06191602	0.06742436	-0.0055083	0.64176872	0.90650187
Lrrc29	0.02354915	0.02294176	0.02845164	-0.0055099	0.80536057	0.90899065
Igfals	0.09201071	0.10078161	0.10629251	-0.0055109	0.59114427	0.90650187
Dclre1c	0.05564287	0.06029617	0.06581224	-0.0055161	0.6452803	0.90650187
Kif21b	0.04703954	0.05042654	0.05595213	-0.0055256	0.66967977	0.90650187
Hspa12a	0.0241379	0.02362391	0.02915147	-0.0055276	0.80037277	0.90806412
Ctso	0.41775736	0.3992375	0.40476942	-0.0055319	0.52422378	0.90650187
9430060I03R	0.0156715	0.01349106	0.01903443	-0.0055434	0.90228594	0.93609395
Syt9	0.02319654	0.0224856	0.02803225	-0.0055466	0.81047189	0.9092537
Vwa8	0.06157796	0.06700143	0.07254975	-0.0055483	0.63306518	0.90650187
Gemin6	0.37584726	0.366299	0.37185429	-0.0055553	0.52647622	0.90650187
Ccm2	0.34405694	0.34038798	0.34594572	-0.0055577	0.52846833	0.90650187
Mapk12	0.03822375	0.04017382	0.04573181	-0.005558	0.70550322	0.90650187
Asphd2	0.02030018	0.01902162	0.02457977	-0.0055582	0.84261709	0.91268507
Cenpt	0.19178759	0.2036016	0.20916301	-0.0055614	0.5470469	0.90650187
Rpl7a-ps3	0.02223467	0.02132526	0.02688718	-0.0055619	0.82111576	0.9092537
Fhl3	0.04178713	0.04431323	0.04987727	-0.005564	0.69002738	0.90650187
Tpp2	0.51984095	0.47395964	0.47952431	-0.0055647	0.52057203	0.90650187
Ppp4r2	0.32762823	0.32665102	0.33222252	-0.0055715	0.52971545	0.90650187
Ticam1	0.14607672	0.15789771	0.16346925	-0.0055715	0.56021725	0.90650187

Dgka	0.05696821	0.0617438	0.06732131	-0.0055775	0.64368065	0.90650187
Zfp78	0.02189246	0.02090138	0.02647944	-0.0055781	0.82549086	0.90947782
Fermt1	0.06138982	0.06675702	0.07233698	-0.00558	0.63417327	0.90650187
Fdxacb1	0.0986035	0.1078477	0.11342979	-0.0055821	0.58658791	0.90650187
Casr	0.01831338	0.01661839	0.02220374	-0.0055853	0.86827878	0.92093489
Mnd1	0.05756831	0.06241791	0.06800374	-0.0055858	0.64250482	0.90650187
Eif2s3x	0.37007531	0.36162556	0.36721261	-0.005587	0.52696341	0.90650187
Gm26890	0.14214052	0.15383348	0.15942267	-0.0055892	0.56192764	0.90650187
Gna14	0.03231019	0.03321618	0.03880888	-0.0055927	0.73912533	0.90650187
Shank1	0.06138107	0.06673143	0.07232708	-0.0055956	0.63455364	0.90650187
Setd4	0.03703878	0.03875327	0.04434893	-0.0055957	0.71257341	0.90650187
Itgb4	0.02459993	0.02409811	0.02970028	-0.0056022	0.79913793	0.90777025
Ephb3	0.08581592	0.09392786	0.09953096	-0.0056031	0.59880906	0.90650187
Tgfa	0.03091253	0.03155937	0.03716468	-0.0056053	0.74873134	0.90650187
Mfsd6	0.12597869	0.13700503	0.14261614	-0.0056111	0.56942419	0.90650187
Tmem243	0.15973308	0.17175593	0.17736777	-0.0056118	0.55592955	0.90650187
Gemin8	0.09579095	0.10477931	0.1103923	-0.005613	0.5894151	0.90650187
Cd40	0.051112	0.05502024	0.06063341	-0.0056132	0.65966706	0.90650187
Neur1a	0.05576514	0.06033483	0.06595158	-0.0056167	0.6475107	0.90650187
Tnfrsf23	0.01818613	0.01643231	0.02205134	-0.005619	0.87135304	0.92225579
Tmem130	0.02093242	0.01971529	0.02533455	-0.0056193	0.83794482	0.9113909
Uox	0.01681884	0.01479253	0.02041221	-0.0056197	0.88950859	0.9302877
Ppp1r26	0.03372067	0.03484435	0.04046505	-0.0056207	0.73154971	0.90650187
Celf5	0.02398779	0.02334409	0.02897309	-0.005629	0.80612611	0.9092537
Zfp273	0.0426944	0.04529667	0.05092962	-0.0056329	0.68853277	0.90650187
Man1c1	0.13602892	0.14746996	0.15310372	-0.0056338	0.56497107	0.90650187
Cybrd1	0.04577506	0.04885756	0.0544935	-0.0056359	0.67716395	0.90650187
Gabpa	0.14255885	0.15421314	0.15985359	-0.0056405	0.56232394	0.90650187
Ctu1	0.09391307	0.10271743	0.10835816	-0.0056407	0.59150651	0.90650187
Myopos	0.01895776	0.01733354	0.02297505	-0.0056415	0.86249921	0.91935001

Tusc1	0.03600463	0.03749601	0.04314029	-0.0056443	0.71959647	0.90650187
Cbll1	0.25267468	0.26089574	0.26654203	-0.0056463	0.53751428	0.90650187
Fam65b	0.03367893	0.03476495	0.04041609	-0.0056511	0.73289839	0.90650187
Ndufaf1	0.16809053	0.18011716	0.18576834	-0.0056512	0.55378811	0.90650187
Cdh8	0.01225929	0.00927129	0.01492428	-0.005653	0.95389942	0.96556047
Wscd2	0.0191248	0.01752169	0.0231749	-0.0056532	0.86091649	0.91848494
Gm27030	0.0169222	0.01487939	0.02053623	-0.0056568	0.88963169	0.93029083
Kcnip3	0.06395213	0.06957086	0.07523031	-0.0056595	0.63097454	0.90650187
Inca1	0.02054774	0.01921523	0.0248754	-0.0056602	0.84412482	0.913082
Irf1	0.11384206	0.12412477	0.12978722	-0.0056624	0.57689478	0.90650187
Aim1l	0.01306857	0.0102376	0.01590081	-0.0056632	0.94332791	0.95871682
Syndig1l	0.01973329	0.01823569	0.02390247	-0.0056668	0.85404975	0.91608365
Pfas	0.14666934	0.15840127	0.16407693	-0.0056757	0.56110836	0.90650187
Slc11a2	0.07933225	0.08672045	0.0923962	-0.0056757	0.60760652	0.90650187
Gm26735	0.05166947	0.0555934	0.06127227	-0.0056789	0.65984131	0.90650187
Aldh16a1	0.10015083	0.10941603	0.11509671	-0.0056807	0.58683697	0.90650187
Actr5	0.03065908	0.03118449	0.0368662	-0.0056817	0.75337331	0.90650187
Mpdu1	0.46364057	0.43358688	0.43927861	-0.0056917	0.52296702	0.90650187
Stk16	0.80889617	0.65138627	0.65708902	-0.0057027	0.51538839	0.90650187
Sp3	0.49765587	0.45819028	0.46389323	-0.005703	0.52179248	0.90650187
Clk1	1.13711207	0.79654201	0.80224611	-0.0057041	0.51260807	0.90650187
Slc29a2	0.02540676	0.02495117	0.03065784	-0.0057067	0.79602519	0.9075779
Cspg5	0.04803539	0.05138396	0.05709918	-0.0057152	0.67183046	0.90650187
Macc1	0.01280394	0.0098598	0.01558161	-0.0057218	0.94871243	0.96195723
Mthfr	0.07121748	0.07765853	0.08338194	-0.0057234	0.61987405	0.90650187
Def6	0.02371693	0.02292197	0.02865114	-0.0057292	0.81298665	0.9092537
Ccdc113	0.04636985	0.04944989	0.05517992	-0.00573	0.67783145	0.90650187
Cdk5rap2	0.11422875	0.12445414	0.13019875	-0.0057446	0.57775304	0.90650187
Cklf	0.13872465	0.15014682	0.15589634	-0.0057495	0.56511697	0.90650187
Pvrl4	0.02126877	0.01998497	0.02573583	-0.0057509	0.83974339	0.91213511

9330104G04	0.02240795	0.02134046	0.02709357	-0.0057531	0.82741267	0.90947782
Tmem178b	0.0609353	0.06606722	0.07182272	-0.0057555	0.63917265	0.90650187
Bcl11b	0.02928925	0.02949568	0.03525123	-0.0057555	0.76603285	0.90650187
Bach2	0.09011908	0.09847325	0.10423351	-0.0057603	0.59703412	0.90650187
4632411P08I	0.01913565	0.01742686	0.02318787	-0.005761	0.8653138	0.92040222
Angpt1	0.0287537	0.02885725	0.03461903	-0.0057618	0.77031961	0.90650187
Nek5	0.01586392	0.0135033	0.01926565	-0.0057624	0.90818809	0.93875746
G730003C15	0.08238294	0.08999358	0.09576066	-0.0057671	0.60554706	0.90650187
lyd	0.02221362	0.02109413	0.02686211	-0.005768	0.83010596	0.9097662
Fam167a	0.02302981	0.02206283	0.02783387	-0.005771	0.82166963	0.9092537
Kcnn1	0.0182776	0.01638922	0.02216088	-0.0057717	0.87653341	0.92471264
Ctc1	0.15518005	0.16698426	0.17275798	-0.0057737	0.55905584	0.90650187
Pdk3	0.26830366	0.27489572	0.28067034	-0.0057746	0.53643871	0.90650187
Mark4	0.20874028	0.21973892	0.22552493	-0.005786	0.54540303	0.90650187
Ppp4r4	0.0242815	0.02353233	0.02932208	-0.0057897	0.80997406	0.9092537
3110040N11	0.23483719	0.2443293	0.25012447	-0.0057952	0.54101885	0.90650187
Kcnip1	0.04085441	0.04299853	0.04879408	-0.0057956	0.70126091	0.90650187
Ccdc18	0.03100862	0.03147774	0.03727782	-0.0058001	0.75543547	0.90650187
Zfp455	0.0276519	0.02751683	0.03331697	-0.0058001	0.78051515	0.90650187
Zfp821	0.25099455	0.25920616	0.26500925	-0.0058031	0.5387752	0.90650187
Prkab1	0.25365161	0.26162879	0.26743201	-0.0058032	0.53842585	0.90650187
Mkrn3	0.05736284	0.06196574	0.06777014	-0.0058044	0.6483089	0.90650187
Tmem125	0.01305404	0.01007773	0.01588328	-0.0058056	0.94791117	0.9616629
9130604C24I	0.02782859	0.02771825	0.03352591	-0.0058077	0.77938211	0.90650187
Vav2	0.04315568	0.04565321	0.05146418	-0.005811	0.69215432	0.90650187
Afm	0.03056679	0.03094589	0.03675749	-0.0058116	0.75893437	0.90650187
Myo1e	0.1108125	0.12074416	0.12655665	-0.0058125	0.58089261	0.90650187
Esyt1	0.38231187	0.37120658	0.37702136	-0.0058148	0.52733179	0.90650187
Slc35e3	0.03928811	0.04115532	0.04697209	-0.0058168	0.70901855	0.90650187
Cdc42bpb	0.20971764	0.22064155	0.22645892	-0.0058174	0.5454606	0.90650187

Rccd1	0.04766539	0.05085523	0.05667317	-0.0058179	0.67594025	0.90650187
Bend3	0.02195125	0.02073098	0.0265495	-0.0058185	0.83504293	0.91066681
Ero1l	0.22783197	0.237771	0.24359011	-0.0058191	0.54228852	0.90650187
Celsr1	0.04337279	0.04589376	0.05171566	-0.0058219	0.69162628	0.90650187
Zfp316	0.06165133	0.06680764	0.07263271	-0.0058251	0.63927933	0.90650187
Alyref2	0.26843241	0.27495939	0.28078576	-0.0058264	0.53674925	0.90650187
Ypel1	0.13734266	0.14863562	0.15446576	-0.0058301	0.56662744	0.90650187
Fus	2.23666307	0.91249067	0.91832478	-0.0058341	0.51126578	0.90650187
Mllt1	0.03348547	0.03435411	0.04018911	-0.005835	0.74068231	0.90650187
Zfp619	0.02298983	0.02194986	0.02778629	-0.0058364	0.82479306	0.90934433
Efnb3	0.12432716	0.13504407	0.14088109	-0.005837	0.57306843	0.90650187
Gba	0.16914834	0.18098575	0.18682602	-0.0058403	0.5552638	0.90650187
Plch2	0.01679748	0.01454597	0.02038657	-0.0058406	0.89860319	0.93440169
Gm2694	0.04400438	0.04660601	0.05244685	-0.0058408	0.68973284	0.90650187
Cnm4	0.04594184	0.04884308	0.05468602	-0.0058429	0.68260366	0.90650187
Herc6	0.04809343	0.05131361	0.05716599	-0.0058524	0.67548851	0.90650187
Lingo4	0.02052338	0.01899049	0.02484631	-0.0058558	0.85262247	0.91557373
Xndc1	0.12687695	0.13770091	0.1435584	-0.0058575	0.57196948	0.90650187
Ncbp1	0.2514512	0.25956469	0.26542612	-0.0058614	0.53910245	0.90650187
Cfap54	0.02339344	0.02240173	0.02826647	-0.0058647	0.82183373	0.9092537
Als2cl	0.02123993	0.01983582	0.02570143	-0.0058656	0.84484722	0.91325304
Gng10	0.08961654	0.09781671	0.10368567	-0.005869	0.59933889	0.90650187
Farsb	0.5143534	0.46981667	0.47568796	-0.0058713	0.52187937	0.90650187
Cdk18	0.02032526	0.0187364	0.02460973	-0.0058733	0.85565142	0.9165432
Zfp354b	0.024136	0.02327032	0.02914921	-0.0058789	0.8150343	0.9092537
Akap5	0.03369205	0.03455119	0.04043149	-0.0058803	0.7410426	0.90650187
Gm4285	0.04823113	0.05144292	0.05732446	-0.0058815	0.67584936	0.90650187
Nmb	0.05950471	0.06431879	0.07020215	-0.0058834	0.64526514	0.90650187
Folr1	0.03277274	0.03346746	0.03935234	-0.0058849	0.74691412	0.90650187
Dzip1l	0.11459238	0.12469794	0.13058557	-0.0058876	0.57943031	0.90650187

U2af1l4	0.02988424	0.03006488	0.03595305	-0.0058882	0.7667161	0.90650187
Mcm10	0.0213813	0.01998143	0.02587004	-0.0058886	0.84421222	0.91310457
Spaca6	0.11295558	0.12294613	0.12884309	-0.005897	0.58061574	0.90650187
Pctp	0.01758646	0.01543455	0.02133282	-0.0058983	0.89049326	0.93072624
Ern1	0.11379796	0.12384022	0.12974027	-0.0059	0.58010719	0.90650187
Tsga10ip	0.03316904	0.03391534	0.03981771	-0.0059024	0.74504974	0.90650187
Mettl6	0.2322415	0.24180633	0.247709	-0.0059027	0.54218282	0.90650187
Ttc21b	0.08048163	0.08776031	0.09366535	-0.005905	0.61036439	0.90650187
Lurap1	0.01649281	0.01411517	0.02002091	-0.0059057	0.90513167	0.93712753
Nek4	0.07475632	0.08141791	0.08732469	-0.0059068	0.61818142	0.90650187
Dnajc21	0.25629135	0.26392456	0.26983222	-0.0059077	0.53876835	0.90650187
Rassf10	0.10624263	0.1157534	0.12166204	-0.0059086	0.58546927	0.90650187
Cep97	0.09692591	0.10570877	0.11161935	-0.0059106	0.59305406	0.90650187
Phf20	0.40148566	0.38622912	0.39215262	-0.0059235	0.52676936	0.90650187
Fam227a	0.04039858	0.04233621	0.04826422	-0.005928	0.70747667	0.90650187
Pold4	0.47123425	0.43891438	0.44484376	-0.0059294	0.52362592	0.90650187
Opr1	0.02540639	0.02472684	0.0306574	-0.0059306	0.80510156	0.90885402
Commd2	0.51070939	0.46719769	0.47312941	-0.0059317	0.52222372	0.90650187
Nxpe4	0.01969374	0.01792263	0.0238552	-0.0059326	0.86554619	0.92040222
Plekha4	0.02277492	0.02158922	0.02753051	-0.0059413	0.83132025	0.9098597
Pde4b	0.07430695	0.08088338	0.08682503	-0.0059417	0.6195214	0.90650187
Oit1	0.02176547	0.02038468	0.02632808	-0.0059434	0.8422067	0.91251845
Igbbp1	0.57375818	0.51024472	0.51619134	-0.0059466	0.52042262	0.90650187
Atg12	0.40433732	0.38842733	0.39437821	-0.0059509	0.52674138	0.90650187
Mvb12b	0.16927536	0.18100067	0.18695294	-0.0059523	0.55627864	0.90650187
Kif1b	0.71243292	0.5967612	0.60271371	-0.0059525	0.51751018	0.90650187
Vamp7	0.69631837	0.58723612	0.59319024	-0.0059541	0.51779592	0.90650187
Prps2	0.17015471	0.18187488	0.18783111	-0.0059562	0.55605421	0.90650187
Ppp1r12c	0.09732057	0.10608807	0.11204561	-0.0059575	0.59342953	0.90650187
Wdr45b	0.73605775	0.61047807	0.61644079	-0.0059627	0.51714984	0.90650187

Sergef	0.08971556	0.0978276	0.10379364	-0.005966	0.60084412	0.90650187
Orc5	0.12627183	0.13695629	0.14292374	-0.0059675	0.57362705	0.90650187
Nicn1	0.25253313	0.26044431	0.266413	-0.0059687	0.53966857	0.90650187
Shroom1	0.02719168	0.02680385	0.03277254	-0.0059687	0.79093049	0.90650187
Gm29666	0.03100071	0.0312991	0.03726851	-0.0059694	0.76178841	0.90650187
Gm16136	0.01231376	0.00901012	0.01499004	-0.0059799	0.96192464	0.97125317
Atm	0.17519466	0.18686345	0.19284741	-0.005984	0.55485809	0.90650187
Rtf1	1.07898861	0.77564502	0.78163306	-0.005988	0.51358433	0.90650187
B230322F03	0.02548759	0.02476307	0.03075372	-0.0059906	0.80674894	0.9092537
Zbtb7b	0.11959588	0.12990088	0.13589172	-0.0059908	0.57768956	0.90650187
Cox19	0.5041252	0.46249172	0.46848462	-0.0059929	0.52267507	0.90650187
Rgn	0.02546514	0.02472915	0.03072709	-0.0059979	0.80724383	0.9092537
Mpp5	0.26475606	0.27148561	0.27748378	-0.0059982	0.53827843	0.90650187
Zfp184	0.05231046	0.0560062	0.06200626	-0.0060001	0.66646785	0.90650187
Zik1	0.02760214	0.02725506	0.03325813	-0.0060031	0.78884759	0.90650187
Exo1	0.04033727	0.04218228	0.04819294	-0.0060107	0.71036766	0.90650187
Dact1	0.14877681	0.160216	0.16623463	-0.0060186	0.56393602	0.90650187
Wdr59	0.04272907	0.04495004	0.05096981	-0.0060198	0.70022456	0.90650187
Gcdh	0.32252235	0.32188333	0.32791069	-0.0060274	0.53256336	0.90650187
Lbhd1	0.03651878	0.03771347	0.0437414	-0.0060279	0.7299434	0.90650187
Gng7	0.02860454	0.02841387	0.03444287	-0.006029	0.78176698	0.90650187
Pgbd1	0.03106706	0.03131191	0.03734663	-0.0060347	0.76372954	0.90650187
Ftx	0.02117901	0.01959238	0.02562877	-0.0060364	0.85246902	0.91557373
Mtx3	0.04316392	0.04543477	0.05147372	-0.006039	0.69901281	0.90650187
Gpr19	0.0512335	0.05473078	0.06077269	-0.0060419	0.67074579	0.90650187
Ltk	0.02108477	0.01947402	0.02551633	-0.0060423	0.85376715	0.91608365
Akt1	0.41154376	0.39392611	0.39997502	-0.0060489	0.52680146	0.90650187
Gm12942	0.10937279	0.11896712	0.12501744	-0.0060503	0.58517431	0.90650187
Rps6ka1	0.05706372	0.06136841	0.06742996	-0.0060616	0.65528679	0.90650187
Tgfbr3l	0.02404505	0.02297634	0.02904114	-0.0060648	0.82339929	0.9092537

Igdcc4	0.10641812	0.11578411	0.12185048	-0.0060664	0.58758076	0.90650187
Rab35	0.12115674	0.13147192	0.13754072	-0.0060688	0.57775623	0.90650187
Ccndbp1	0.35691597	0.35045572	0.3565259	-0.0060702	0.53016736	0.90650187
Usp1	0.44521231	0.41953065	0.4256041	-0.0060734	0.52529176	0.90650187
Gpatch2	0.32654052	0.32522746	0.33130585	-0.0060784	0.53250268	0.90650187
Tmem8b	0.04227451	0.0443594	0.05044273	-0.0060833	0.70406738	0.90650187
Cacna1c	0.03540453	0.03634833	0.04243818	-0.0060898	0.73824404	0.90650187
Bmp3	0.02305561	0.02177061	0.02786457	-0.006094	0.8345371	0.91062493
Snx16	0.1828898	0.19435628	0.20045122	-0.0060949	0.55376268	0.90650187
Mfsd11	0.27047177	0.27651593	0.28261195	-0.006096	0.53819722	0.90650187
Kcnd1	0.02853314	0.0282568	0.03435854	-0.0061017	0.78508889	0.90650187
Enkur	0.0149701	0.012087	0.01819111	-0.0061041	0.93211675	0.95146248
Slamf1	0.04070421	0.04250806	0.04861952	-0.0061115	0.71185471	0.90650187
A930015D03	0.03921159	0.04076981	0.04688298	-0.0061132	0.71893185	0.90650187
Nr1h4	0.02755249	0.02708332	0.0331994	-0.0061161	0.79360139	0.90731056
4833418N02	0.02632242	0.02562554	0.03174331	-0.0061178	0.80421816	0.90882608
Mcph1	0.06626127	0.0717105	0.07782949	-0.006119	0.63664897	0.90650187
Ext2	0.56725455	0.50574593	0.51186504	-0.0061191	0.52119188	0.90650187
Crif2	0.20904451	0.21969451	0.22581576	-0.0061213	0.54795974	0.90650187
Dmtf1	0.35003216	0.34475399	0.35087934	-0.0061254	0.5309299	0.90650187
Susd1	0.01869443	0.01653302	0.02265994	-0.0061269	0.88532338	0.92812419
Samd4	0.09967062	0.10844545	0.1145794	-0.006134	0.59405688	0.90650187
Cyp7b1	0.10456542	0.11371875	0.11985911	-0.0061404	0.5900788	0.90650187
Sfn	0.02487953	0.02389123	0.03003222	-0.006141	0.81833511	0.9092537
Gpank1	0.17677487	0.18826747	0.19441418	-0.0061467	0.5558891	0.90650187
Syng2	0.59577487	0.52449983	0.53065087	-0.006151	0.52054888	0.90650187
Snapc3	0.28671617	0.290863	0.29701547	-0.0061525	0.5366858	0.90650187
Rps6kl1	0.01163467	0.00801521	0.01416985	-0.0061546	0.97325473	0.9796997
Btaf1	0.11956356	0.129701	0.13585754	-0.0061565	0.57982958	0.90650187
Snph	0.01881714	0.01664925	0.0228068	-0.0061575	0.88498018	0.92807528

Mpp7	0.12826072	0.13884621	0.14500809	-0.0061619	0.57491774	0.90650187
C1galt1c1	0.44704837	0.42080931	0.4269773	-0.006168	0.52560243	0.90650187
Ffar3	0.02497209	0.02396997	0.0301421	-0.0061721	0.81867212	0.9092537
Zbed3	0.2213856	0.23136011	0.23753288	-0.0061728	0.5459867	0.90650187
Mettl21b	0.02879667	0.02849509	0.03466977	-0.0061747	0.78575042	0.90650187
Pds5a	0.43904394	0.41479473	0.42097117	-0.0061764	0.52600273	0.90650187
Gm17275	0.09532225	0.10370768	0.10988506	-0.0061774	0.59867442	0.90650187
Gpr146	0.0423421	0.04434187	0.05052113	-0.0061793	0.70669111	0.90650187
Mbd4	0.05220791	0.05570822	0.06188887	-0.0061806	0.6714674	0.90650187
D630036H23	0.03330513	0.03379362	0.03997746	-0.0061838	0.75416675	0.90650187
Rassf9	0.04040981	0.04209269	0.04827728	-0.0061846	0.71549394	0.90650187
Chrna1os	0.07428254	0.08061283	0.08679788	-0.006185	0.62429669	0.90650187
3222401L13F	0.02275462	0.02131356	0.02750634	-0.0061928	0.84155874	0.91251845
Zfp119a	0.06449473	0.06964736	0.07584177	-0.0061944	0.64173366	0.90650187
Rfx5	0.01985174	0.01784795	0.02404404	-0.0061961	0.87402417	0.9235672
Tubg2	0.04712709	0.04985402	0.05605304	-0.006199	0.68851623	0.90650187
Wasf3	0.02398973	0.02277557	0.0289754	-0.0061998	0.82925413	0.90974008
Lsg1	0.35397223	0.34791331	0.35411602	-0.0062027	0.53103402	0.90650187
Rgs7	0.02047089	0.01857617	0.02478363	-0.0062075	0.86724758	0.92056229
Zfp758	0.11387659	0.1236122	0.12982398	-0.0062118	0.58422421	0.90650187
B4galt7	0.23223218	0.24148359	0.2477003	-0.0062167	0.54441967	0.90650187
Slco2a1	0.07530548	0.08171676	0.08793491	-0.0062182	0.6233772	0.90650187
Fgfr1	0.06199564	0.06680318	0.07302193	-0.0062188	0.64750776	0.90650187
Rfesd	0.17876725	0.1901658	0.19638569	-0.0062199	0.55598611	0.90650187
Serpina10	0.04672955	0.04937201	0.05559476	-0.0062228	0.69061669	0.90650187
Ptpn3	0.02819935	0.02773881	0.03396416	-0.0062254	0.7924191	0.90681274
Nsg2	0.01859776	0.01631557	0.02254422	-0.0062286	0.89032481	0.93072624
Gm16973	0.02967924	0.0294789	0.03571131	-0.0062324	0.7810832	0.90650187
Inf2	0.06083585	0.06547577	0.07171017	-0.0062344	0.65043534	0.90650187
Shf	0.06078077	0.06541103	0.07164782	-0.0062368	0.65061481	0.90650187

Dcaf13	0.29419328	0.29732266	0.30356351	-0.0062408	0.53641084	0.90650187
Nqo2	0.17701538	0.18840554	0.19465239	-0.0062469	0.55672457	0.90650187
Slc8a2	0.02067638	0.01877797	0.02502897	-0.006251	0.86656347	0.92056229
Ascc1	0.51288203	0.46839781	0.47465591	-0.0062581	0.52336986	0.90650187
4930518115R	0.01651767	0.01379245	0.02005076	-0.0062583	0.91736686	0.94283706
Tfip11	0.18946261	0.2006332	0.20689488	-0.0062617	0.55351479	0.90650187
Zfp141	0.05486088	0.05865788	0.06492062	-0.0062627	0.66598624	0.90650187
Kctd20	0.5019116	0.46065393	0.46691669	-0.0062628	0.52377442	0.90650187
Cyb561d1	0.02422612	0.02299189	0.02925628	-0.0062644	0.82942596	0.90974008
Kansl1l	0.15677163	0.16810361	0.17437209	-0.0062685	0.56348637	0.90650187
Dus4l	0.0542744	0.05798087	0.06425132	-0.0062705	0.66780426	0.90650187
Gpa33	0.0179672	0.01551612	0.02178908	-0.006273	0.89970389	0.93469858
Lym7	0.08429155	0.09158179	0.09785887	-0.0062771	0.61223922	0.90650187
4930539J05F	0.02277724	0.02125103	0.02753327	-0.0062822	0.84479217	0.91325304
Zbtb46	0.05075825	0.0539373	0.06022777	-0.0062905	0.6787906	0.90650187
Gm14326	0.03378429	0.03424782	0.04053969	-0.0062919	0.75489373	0.90650187
C8g	0.02891931	0.02852198	0.03481457	-0.0062926	0.78916435	0.90650187
1810032O08	0.10305336	0.11193692	0.11823067	-0.0062938	0.59353665	0.90650187
Nt5m	0.35026387	0.34477593	0.35107004	-0.0062941	0.53176303	0.90650187
Bbs12	0.02720808	0.02649743	0.03279195	-0.0062945	0.80326704	0.90882608
Hinfp	0.02055885	0.01859099	0.02488866	-0.0062977	0.86968178	0.92144928
Irf3	0.49546935	0.45603454	0.46233519	-0.0063007	0.52415483	0.90650187
Crebzf	0.13708385	0.14789473	0.15419759	-0.0063029	0.57209688	0.90650187
Mb21d1	0.03588556	0.03669299	0.04300102	-0.006308	0.74284706	0.90650187
Wdr82	0.31583561	0.31591792	0.32222797	-0.0063101	0.53468665	0.90650187
Heatr6	0.25002207	0.25780227	0.26412081	-0.0063185	0.54234842	0.90650187
Parp10	0.06548122	0.07063297	0.07695233	-0.0063194	0.64247254	0.90650187
Kif18a	0.05104204	0.05423192	0.0605532	-0.0063213	0.67870704	0.90650187
Rtn4ip1	0.03224885	0.03241438	0.03873678	-0.0063224	0.76595383	0.90650187
Erich3	0.01477054	0.01162655	0.01795102	-0.0063245	0.94135683	0.95746988

Snhg12	0.31526336	0.31541413	0.32173981	-0.0063257	0.53482498	0.90650187
Memo1	0.2841222	0.28840268	0.2947319	-0.0063292	0.53802816	0.90650187
Gm16638	0.06247609	0.06723049	0.07356477	-0.0063343	0.64906143	0.90650187
Gpr142	0.02466469	0.02343884	0.02977717	-0.0063383	0.82799877	0.90955407
Kirrel	0.02663862	0.02576951	0.03211784	-0.0063483	0.81021971	0.9092537
Slc25a15	0.07634861	0.08274244	0.08909283	-0.0063504	0.62433092	0.90650187
Pitpnm2	0.06834715	0.07381695	0.08017067	-0.0063537	0.63770277	0.90650187
1810041L15F	0.14035288	0.15121479	0.15757893	-0.0063641	0.57124497	0.90650187
Ssc5d	0.05006606	0.05306274	0.05943349	-0.0063708	0.6831518	0.90650187
Lag3	0.04667189	0.049154	0.05552828	-0.0063743	0.69508869	0.90650187
Ppm1m	0.17103897	0.18233752	0.18871331	-0.0063758	0.55969551	0.90650187
Hyal3	0.01772018	0.01511501	0.02149308	-0.0063781	0.9064546	0.93785917
Nubp1	0.29979771	0.30205585	0.30843741	-0.0063816	0.53664285	0.90650187
Timm21	0.33747515	0.33408905	0.34047519	-0.0063861	0.53322698	0.90650187
Ap1g2	0.05531232	0.05904634	0.06543546	-0.0063891	0.66788084	0.90650187
Cntrob	0.07156011	0.07737233	0.08376446	-0.0063921	0.6327885	0.90650187
Ccdc68	0.02946957	0.02906813	0.03546398	-0.0063959	0.78865277	0.90650187
Fbxl8	0.06030356	0.06471124	0.071110746	-0.0063962	0.65538079	0.90650187
Fam134c	0.33043968	0.3281904	0.33458721	-0.0063968	0.53386664	0.90650187
Clcn2	0.06567238	0.07076436	0.07716738	-0.006403	0.64389041	0.90650187
Fam161a	0.03827018	0.03938097	0.04578596	-0.006405	0.73299441	0.90650187
Ric1	0.12518361	0.1353749	0.14178128	-0.0064064	0.57960164	0.90650187
Rasgrf2	0.02856142	0.02798144	0.03439194	-0.0064105	0.79634579	0.9075779
Brwd3	0.14808764	0.15911682	0.1655296	-0.0064128	0.56837057	0.90650187
Gm29095	0.01138881	0.00745664	0.01387272	-0.0064161	0.9801124	0.98497214
Lsm6	1.3680064	0.86088305	0.86729986	-0.0064168	0.51311935	0.90650187
2010015M23	0.03311824	0.03334012	0.03975806	-0.0064179	0.76350787	0.90650187
Hyal1	0.11344243	0.12294323	0.12936172	-0.0064185	0.5872887	0.90650187
Klhl1	0.0303168	0.03004342	0.03646294	-0.0064195	0.78309108	0.90650187
Fam98b	0.26012849	0.26688468	0.27330924	-0.0064246	0.54161404	0.90650187

Rmdn2	0.03648227	0.03727384	0.04369873	-0.0064249	0.74332293	0.90650187
Fam58b	0.24781574	0.25567362	0.26210175	-0.0064281	0.54341058	0.90650187
Dzip1	0.0639487	0.06879821	0.07522644	-0.0064282	0.64798463	0.90650187
Aifm3	0.02699867	0.02611312	0.03254412	-0.006431	0.81016107	0.9092537
Iba57	0.02596347	0.02488157	0.03131795	-0.0064364	0.81954919	0.9092537
Sh3bgr	0.09050798	0.09821878	0.10465723	-0.0064384	0.60776207	0.90650187
Hs6st1	0.15662065	0.16777463	0.17421909	-0.0064445	0.56530971	0.90650187
Egfr	0.06299265	0.0677034	0.074148	-0.0064446	0.6503966	0.90650187
Rad17	0.37095197	0.36146898	0.36791949	-0.0064505	0.53106296	0.90650187
Wnk4	0.13779994	0.14848309	0.15493936	-0.0064563	0.57348225	0.90650187
Gm20628	0.02547697	0.02428482	0.03074112	-0.0064563	0.82476379	0.90934433
Spef1	0.04022546	0.04159461	0.04806291	-0.0064683	0.72517641	0.90650187
Gcgr	0.0248769	0.02355589	0.0300291	-0.0064732	0.83104802	0.9098597
Kdm5b	0.85243881	0.67376433	0.68023763	-0.0064733	0.51687239	0.90650187
Rnf144a	0.15077508	0.16180198	0.1682755	-0.0064735	0.56789663	0.90650187
Gm12802	0.02560388	0.02441804	0.03089162	-0.0064736	0.82423152	0.90929265
Ythdc2	0.12474098	0.13484203	0.14131619	-0.0064742	0.58069339	0.90650187
Gm26882	0.05080978	0.05381226	0.06028687	-0.0064746	0.68347675	0.90650187
Acss2	0.06724607	0.07245164	0.07893562	-0.006484	0.64250906	0.90650187
Ankle1	0.03373885	0.0340015	0.04048638	-0.0064849	0.76179013	0.90650187
F8	0.03171227	0.03160637	0.03810587	-0.0064995	0.77585275	0.90650187
C87436	0.2252769	0.23468786	0.2411945	-0.0065066	0.54772985	0.90650187
O610009L18F	0.16158788	0.17273141	0.17923895	-0.0065075	0.56411255	0.90650187
Cfi	0.03838188	0.03940729	0.04591619	-0.0065089	0.73571554	0.90650187
Scnn1b	0.04539829	0.04754783	0.05405841	-0.0065106	0.70381733	0.90650187
Pappa2	0.04496049	0.04703948	0.05355257	-0.0065131	0.70563462	0.90650187
Idua	0.02492097	0.02356767	0.03008141	-0.0065137	0.83213561	0.91015207
Ccdc106	0.03117529	0.03095672	0.03747403	-0.0065173	0.78028585	0.90650187
Calr4	0.01533502	0.01210988	0.01862996	-0.0065201	0.94012997	0.95661796
Mapkbp1	0.03903888	0.04015257	0.04668182	-0.0065293	0.73296146	0.90650187

Mtrf1	0.06395485	0.06869725	0.07523337	-0.0065361	0.6503351	0.90650187
Slc9a6	0.07256574	0.07834759	0.08488622	-0.0065386	0.63398888	0.90650187
Zfp217	0.08830317	0.09571168	0.10225224	-0.0065406	0.61193386	0.90650187
Cops2	0.67101184	0.57142431	0.57796526	-0.0065409	0.52006304	0.90650187
2010300C02I	0.0377209	0.03860291	0.04514525	-0.0065423	0.74029208	0.90650187
Ager	0.01512706	0.01183523	0.0183799	-0.0065447	0.94328704	0.95871682
Osbpl6	0.05038813	0.05325758	0.05980316	-0.0065456	0.68672216	0.90650187
Map4k3	0.10847211	0.11750647	0.1240532	-0.0065467	0.59274453	0.90650187
3110045C21I	0.01739837	0.01455659	0.02110732	-0.0065507	0.91616193	0.94231902
Zfp280c	0.08869889	0.09613103	0.10268438	-0.0065534	0.61168753	0.90650187
Acvr2b	0.05432783	0.05775718	0.0643123	-0.0065551	0.6747705	0.90650187
4933408B17I	0.02359552	0.02194536	0.02850678	-0.0065614	0.84690475	0.91420247
Dld	0.67451616	0.57353162	0.58009327	-0.0065616	0.5200527	0.90650187
Slc16a6	0.05420874	0.05761198	0.06417634	-0.0065644	0.67534626	0.90650187
Fam101a	0.04338991	0.04516544	0.05173549	-0.00657	0.71381385	0.90650187
Mme	0.02012954	0.01780386	0.02437595	-0.0065721	0.88465775	0.92796521
Sfmbt1	0.15230786	0.16325697	0.16983778	-0.0065808	0.56838214	0.90650187
Prepl	0.15182012	0.16275586	0.16934095	-0.0065851	0.56862491	0.90650187
Akap1	0.11530876	0.12476011	0.13134716	-0.0065871	0.58821163	0.90650187
Vps16	0.18971377	0.20055303	0.20714019	-0.0065872	0.55621214	0.90650187
Galnt3	0.02877696	0.02805625	0.03464649	-0.0065902	0.80111663	0.90817444
Fcho2	0.26138212	0.26784863	0.27444215	-0.0065935	0.54252874	0.90650187
Cnnm2	0.04847077	0.05099694	0.05760019	-0.0066032	0.69484856	0.90650187
Fam179b	0.21916141	0.22882899	0.23543271	-0.0066037	0.54961796	0.90650187
Ccdc125	0.0545631	0.05797638	0.06458084	-0.0066045	0.67531466	0.90650187
Ttk	0.05484329	0.05829507	0.06490055	-0.0066055	0.67453355	0.90650187
Zfp830	0.36953272	0.3601685	0.36677473	-0.0066062	0.53191034	0.90650187
Mmgt2	0.22908501	0.23815612	0.24476256	-0.0066064	0.54775537	0.90650187
Tbcc	0.51426302	0.46901717	0.47562461	-0.0066074	0.52462259	0.90650187
Erich5	0.04615941	0.04832834	0.05493713	-0.0066088	0.70360409	0.90650187

Cenpl	0.07720376	0.08342152	0.09004092	-0.0066194	0.62809841	0.90650187
Mpzl3	0.02565985	0.02433617	0.03095799	-0.0066218	0.82917282	0.90974008
Suclg2	0.50974355	0.4658218	0.47244982	-0.006628	0.52486499	0.90650187
Pxmp2	0.03368946	0.03379959	0.04042845	-0.0066289	0.76697618	0.90650187
Cdhr2	0.03286293	0.03282892	0.03945827	-0.0066294	0.77243892	0.90650187
Gpt	0.0312504	0.03093034	0.03756244	-0.0066321	0.78375119	0.90650187
AV099323	0.04684222	0.04909241	0.05572467	-0.0066323	0.70163505	0.90650187
Zfp595	0.032327	0.03219606	0.03882864	-0.0066326	0.77618834	0.90650187
Ppa1	0.59778607	0.52532357	0.53195718	-0.0066336	0.52210508	0.90650187
Rhd	0.01888103	0.01624696	0.02288325	-0.0066363	0.90134519	0.93562881
Wdr19	0.03884567	0.03981585	0.04645674	-0.0066409	0.73744541	0.90650187
AA474331	0.01923958	0.01666344	0.02331218	-0.0066487	0.89758439	0.934149
Tbc1d13	0.03858332	0.03949587	0.046151	-0.0066551	0.73926192	0.90650187
Capn5	0.03818659	0.03903306	0.04568848	-0.0066554	0.74137469	0.90650187
Eno3	0.04711277	0.0493785	0.05603653	-0.006658	0.7013227	0.90650187
Arhgef26	0.04365303	0.04537581	0.05204017	-0.0066644	0.71542805	0.90650187
Kif24	0.0264675	0.02524665	0.03191517	-0.0066685	0.82352646	0.9092537
Gm43848	0.0274048	0.02635477	0.0330247	-0.0066699	0.8153725	0.9092537
Gm27003	0.02975514	0.02912915	0.03580082	-0.0066717	0.79629549	0.9075779
Mamld1	0.13159769	0.14182192	0.14849453	-0.0066726	0.57916723	0.90650187
Gm16183	0.03425666	0.03442013	0.0410936	-0.0066735	0.76483789	0.90650187
Phf7	0.05302661	0.05614815	0.06282559	-0.0066774	0.68171602	0.90650187
Amot	0.05812853	0.06195779	0.06864033	-0.0066825	0.66742217	0.90650187
2810029C07I	0.02383162	0.02210354	0.02878747	-0.0066839	0.84900844	0.91444933
Arl4d	0.039725	0.04079648	0.04748067	-0.0066842	0.73429002	0.90650187
Odf2l	0.17748233	0.18842629	0.19511472	-0.0066884	0.56056159	0.90650187
Rpp40	0.08778389	0.09499596	0.10168482	-0.0066889	0.6150223	0.90650187
Jak3	0.02694436	0.0257879	0.03247982	-0.0066919	0.82015172	0.9092537
Zc3h13	0.6528891	0.56015973	0.56685402	-0.0066943	0.52093509	0.90650187
Pdzrn4	0.05179512	0.0547121	0.06141619	-0.0067041	0.68625951	0.90650187

Casp6	0.43014645	0.40753535	0.41423971	-0.0067044	0.52867955	0.90650187
Gm10053	0.22670779	0.23582536	0.2425369	-0.0067115	0.54895435	0.90650187
Rtkn2	0.04080143	0.04201842	0.04873251	-0.0067141	0.72989349	0.90650187
4732440D04	0.05017162	0.05283955	0.05955467	-0.0067151	0.69190834	0.90650187
Polr1d	1.54887595	0.89459697	0.90131449	-0.0067175	0.51321583	0.90650187
Tada2b	0.0655974	0.07035948	0.07708303	-0.0067235	0.65090572	0.90650187
Snx33	0.06469082	0.0693388	0.07606264	-0.0067238	0.65283511	0.90650187
Csnk1g3	0.30267379	0.30420142	0.31092726	-0.0067258	0.53830536	0.90650187
Dhx29	0.19582818	0.20636127	0.21309103	-0.0067298	0.5558278	0.90650187
Ccdc17	0.02523987	0.02372913	0.03045986	-0.0067307	0.83703547	0.91092327
Mkl2	0.25159355	0.25882423	0.26555603	-0.0067318	0.54486395	0.90650187
Spin1	0.45923564	0.42929707	0.43603167	-0.0067346	0.52737118	0.90650187
Clmn	0.11056722	0.1195464	0.1262946	-0.0067482	0.59388049	0.90650187
Plekhh1	0.019721	0.01713609	0.02388778	-0.0067517	0.89553536	0.93316651
Wipf3	0.02460256	0.02295034	0.0297034	-0.0067531	0.84392156	0.91300169
Clcn7	0.06014731	0.06417544	0.07093047	-0.006755	0.66398907	0.90650187
Zmynd12	0.01639049	0.01314116	0.01989807	-0.0067569	0.9344301	0.95292311
Trim67	0.02047942	0.01803621	0.02479383	-0.0067576	0.88717899	0.92936447
Rnf182	0.03640497	0.03684968	0.04360838	-0.0067587	0.75459063	0.90650187
Ripk2	0.08772897	0.09486459	0.10162478	-0.0067602	0.61628058	0.90650187
Usf1	0.22031443	0.22975985	0.23652208	-0.0067622	0.55056979	0.90650187
Lmtk3	0.0168529	0.01368982	0.02045308	-0.0067633	0.92922417	0.9499722
Sall4	0.04281678	0.04430804	0.05107147	-0.0067634	0.72198032	0.90650187
Elmod1	0.06510137	0.06976137	0.07652488	-0.0067635	0.65280951	0.90650187
Mfsd4	0.04588084	0.04785153	0.05461561	-0.0067641	0.70904036	0.90650187
Pomgnt2	0.23983131	0.24798868	0.254753	-0.0067643	0.54698274	0.90650187
Cep152	0.02771106	0.02662072	0.03338693	-0.0067662	0.8161922	0.9092537
2700012I20R	0.03928773	0.04020422	0.04697164	-0.0067674	0.73907585	0.90650187
Arhgef38	0.02534002	0.02381058	0.03057867	-0.0067681	0.83743295	0.91109492
Atad3aos	0.02778135	0.02669938	0.03347005	-0.0067707	0.81575449	0.9092537

Atp9a	0.29603002	0.29838857	0.30516428	-0.0067757	0.53931493	0.90650187
4632415L05F	0.14440023	0.15496185	0.16174796	-0.0067861	0.57397946	0.90650187
Papolg	0.12077278	0.13034484	0.13713535	-0.0067905	0.58711609	0.90650187
Apobr	0.02417967	0.02240736	0.0292011	-0.0067937	0.84949858	0.91459933
Cep76	0.05188588	0.0547168	0.06152015	-0.0068033	0.68850875	0.90650187
Fancf	0.02054582	0.0180674	0.0248731	-0.0068057	0.88808231	0.92986219
Grhl1	0.02719199	0.02596534	0.0327729	-0.0068076	0.82211042	0.9092537
Ksr1	0.04172859	0.04300115	0.04980932	-0.0068082	0.72828899	0.90650187
2410022M11	0.08605253	0.09297662	0.09979022	-0.0068136	0.61926178	0.90650187
Rpn1	1.58413139	0.89930417	0.90612229	-0.0068181	0.51334252	0.90650187
Nars2	0.0835146	0.09018644	0.09700536	-0.0068189	0.62267004	0.90650187
Znfx1	0.09334921	0.1009219	0.10774642	-0.0068245	0.61086681	0.90650187
Cenpn	0.05116309	0.05386729	0.06069197	-0.0068247	0.69142695	0.90650187
Me3	0.0235845	0.02166762	0.02849368	-0.0068261	0.85656344	0.91662238
Rab20	0.09699515	0.10486701	0.11169415	-0.0068271	0.60708559	0.90650187
Topbp1	0.17799401	0.1887888	0.19562106	-0.0068323	0.5616947	0.90650187
Rtn4rl1	0.17177379	0.1826074	0.18944575	-0.0068383	0.56374509	0.90650187
Parp8	0.08317728	0.08979125	0.09663454	-0.0068433	0.62355113	0.90650187
Zranb3	0.08119649	0.08760607	0.09445376	-0.0068477	0.62638607	0.90650187
Mroh7	0.0200343	0.01741326	0.02426218	-0.0068489	0.89524996	0.93293307
Fbxo33	0.11223562	0.12122638	0.1280756	-0.0068492	0.5939594	0.90650187
Ube2t	0.05977259	0.06364724	0.07050583	-0.0068586	0.66729466	0.90650187
Nynrin	0.17203897	0.18284684	0.18970993	-0.0068631	0.56388545	0.90650187
Gm4799	0.02367382	0.02173297	0.02859989	-0.0068669	0.85710491	0.91700814
Lrriq3	0.01419971	0.01039638	0.01726391	-0.0068675	0.96150708	0.97096654
Ccdc112	0.23484898	0.2432674	0.25013543	-0.006868	0.54857591	0.90650187
Trim9	0.03589711	0.03614376	0.04301453	-0.0068708	0.76117986	0.90650187
Hist2h2bb	0.02618712	0.02470949	0.03158299	-0.0068735	0.8333556	0.91056919
Wdr31	0.06581261	0.07044532	0.07732509	-0.0068798	0.65377584	0.90650187
Klhl21	0.07291328	0.07839108	0.08527354	-0.0068825	0.6401301	0.90650187

Gm13166	0.03109332	0.03048853	0.03737754	-0.006889	0.79371053	0.90731056
1700001C02I	0.03173527	0.03123281	0.03813292	-0.0069001	0.78942515	0.90650187
Tnks	0.07388922	0.07945247	0.08636029	-0.0069078	0.63892873	0.90650187
Tstd3	0.06017061	0.06404466	0.07095686	-0.0069122	0.66751613	0.90650187
Lmo7	0.13059549	0.14053595	0.14744884	-0.0069129	0.58255131	0.90650187
Ahcy	0.07552716	0.08126751	0.08818112	-0.0069136	0.63628497	0.90650187
Pgbd5	0.02990716	0.02905756	0.03598008	-0.0069225	0.80381549	0.90882608
LhfpI5	0.01694597	0.01364062	0.02056474	-0.0069241	0.93278128	0.95188026
Tgif2	0.13477278	0.14487466	0.15179951	-0.0069249	0.58035488	0.90650187
Srfbp1	0.09129746	0.0985869	0.10551674	-0.0069298	0.61484379	0.90650187
Rabgap1l	0.26845959	0.27386327	0.28081012	-0.0069468	0.54378662	0.90650187
Erich2	0.0307166	0.02998649	0.03693395	-0.0069475	0.7984905	0.90770671
Zfp932	0.16498269	0.17570313	0.18265365	-0.0069505	0.56716801	0.90650187
Camkk2	0.28779697	0.29100964	0.29796512	-0.0069555	0.54132602	0.90650187
Ngef	0.02015219	0.0174446	0.02440302	-0.0069584	0.89753767	0.934149
Rad51c	0.04777579	0.04983075	0.05680031	-0.0069696	0.70729137	0.90650187
Ptcra	0.04591371	0.04768321	0.05465356	-0.0069704	0.71463603	0.90650187
D2hgdh	0.09418792	0.10168226	0.10865618	-0.0069739	0.61230588	0.90650187
Xrn2	0.6718416	0.57149414	0.5784697	-0.0069756	0.52137625	0.90650187
Fancd2	0.02544955	0.02373296	0.03070859	-0.0069756	0.84371493	0.91300169
Lrrc75b	0.02210403	0.01975251	0.02673155	-0.006979	0.87710837	0.9247416
Bcar1	0.29005895	0.29296899	0.29994917	-0.0069802	0.54119898	0.90650187
Pfkfb3	0.04799753	0.05007532	0.0570556	-0.0069803	0.70673897	0.90650187
Nudt18	0.21216428	0.22180846	0.22879264	-0.0069842	0.55397385	0.90650187
Mapk4	0.01697426	0.01361337	0.02059868	-0.0069853	0.93416764	0.95276695
Lefty1	0.07264145	0.07798487	0.08497061	-0.0069857	0.64262694	0.90650187
Purg	0.05285424	0.05563961	0.06262845	-0.0069888	0.69008606	0.90650187
Tprgl	0.78948665	0.63950206	0.64649765	-0.0069956	0.51918364	0.90650187
Zfp551	0.03092523	0.03018223	0.03717964	-0.0069974	0.79861581	0.90777025
Enthd2	0.07198562	0.07723988	0.08423929	-0.0069994	0.64407913	0.90650187

Actr8	0.31508173	0.31458333	0.32158481	-0.0070015	0.53855295	0.90650187
1110034G24	0.13354851	0.14352462	0.15052657	-0.007002	0.58191451	0.90650187
Lgi3	0.02641264	0.02484791	0.03185019	-0.0070023	0.83580655	0.91079271
Stard3	0.28922579	0.29221322	0.29921892	-0.0070057	0.54144959	0.90650187
Klhl18	0.07620608	0.08192515	0.08893471	-0.0070096	0.6369767	0.90650187
Rab11fip4	0.0220355	0.01963869	0.0266499	-0.0070112	0.87891402	0.92548989
Kif17	0.04516006	0.04677092	0.05378319	-0.0070123	0.71891429	0.90650187
Tnip2	0.07428915	0.07978776	0.08680523	-0.0070175	0.64034833	0.90650187
Helb	0.03682289	0.03707507	0.04409676	-0.0070217	0.76049344	0.90650187
Klhdc8a	0.06456971	0.06889705	0.07592623	-0.0070292	0.65967281	0.90650187
Cox11	0.22451876	0.23345198	0.2404824	-0.0070304	0.55170327	0.90650187
1700105P06I	0.02295577	0.02071278	0.02774576	-0.007033	0.87010107	0.92163656
Ttll4	0.05299947	0.05576152	0.06279455	-0.007033	0.6907264	0.90650187
Ctnnd2	0.02103294	0.01841942	0.0254545	-0.0070351	0.8904021	0.93072624
Atmin	0.10528039	0.11359079	0.1206281	-0.0070373	0.60231813	0.90650187
Dppa5a	0.0275748	0.0261881	0.03322579	-0.0070377	0.82681217	0.90947782
Sufu	0.06429613	0.06857915	0.07561801	-0.0070389	0.66049571	0.90650187
Gfod2	0.27163919	0.27660905	0.28365558	-0.0070465	0.54396863	0.90650187
Abhd10	0.22326324	0.23225328	0.23930184	-0.0070486	0.55209015	0.90650187
Rrnad1	0.26075387	0.2668223	0.27387459	-0.0070523	0.54556919	0.90650187
Alg10b	0.03267861	0.03218654	0.03924177	-0.0070552	0.78793336	0.90650187
Mtg1	0.17859273	0.18915727	0.19621316	-0.0070559	0.56350646	0.90650187
Ap5m1	0.07778063	0.08362043	0.0906799	-0.0070595	0.63536344	0.90650187
lpo9	0.34581796	0.34034073	0.34740326	-0.0070625	0.53600617	0.90650187
Rcc2	0.27197226	0.27688895	0.2839531	-0.0070641	0.54403212	0.90650187
Rpusd1	0.21001224	0.21967445	0.22674025	-0.0070658	0.55509177	0.90650187
Trappc9	0.20908235	0.21878472	0.22585193	-0.0070672	0.55531799	0.90650187
Dsp	0.16123845	0.17181569	0.17888673	-0.007071	0.56974541	0.90650187
Zfp963	0.04545389	0.0470469	0.05412263	-0.0070757	0.71944608	0.90650187
Nudcd1	0.15715826	0.16768565	0.17476375	-0.0070781	0.57144391	0.90650187

Gm15706	0.05915657	0.06272862	0.06980731	-0.0070787	0.67393293	0.90650187
Gm26615	0.02456415	0.02257824	0.02965779	-0.0070795	0.85570068	0.9165432
Rhbdl2	0.02446573	0.02246045	0.02954091	-0.0070805	0.8566835	0.91668632
Nbn	0.0812453	0.08742678	0.09450757	-0.0070808	0.6304623	0.90650187
Tmco6	0.11903527	0.12821772	0.13529872	-0.007081	0.59198933	0.90650187
Ltbp1	0.05208351	0.05466058	0.06174645	-0.0070859	0.69503262	0.90650187
Mmgt1	0.05649305	0.0596923	0.06678058	-0.0070883	0.68149003	0.90650187
Hdac3	0.66664976	0.56820043	0.57530749	-0.0071071	0.5218984	0.90650187
Gm9920	0.02727199	0.02575792	0.03286757	-0.0071096	0.83188418	0.91013901
Vps39	0.12207658	0.13139335	0.13851113	-0.0071178	0.59035176	0.90650187
Wdr45	0.21752987	0.22676789	0.23388893	-0.007121	0.55383322	0.90650187
Cobl	0.03136668	0.03057582	0.03769928	-0.0071235	0.7995511	0.90799325
Tmem194b	0.03392632	0.0335802	0.04070628	-0.0071261	0.78178958	0.90650187
Zfp746	0.07763414	0.08338452	0.09051768	-0.0071332	0.63695504	0.90650187
F5	0.0255806	0.02372987	0.03086402	-0.0071341	0.8479291	0.91440801
Stxbp4	0.13839201	0.14841769	0.15555221	-0.0071345	0.58078457	0.90650187
Rft1	0.13207779	0.14185171	0.14899504	-0.0071433	0.58439018	0.90650187
Dazap2	0.68016811	0.57636712	0.58351211	-0.007145	0.52170592	0.90650187
Zfp574	0.12267341	0.13198358	0.13914021	-0.0071566	0.59043272	0.90650187
Zfp583	0.02613552	0.02436332	0.03152185	-0.0071585	0.84365316	0.91300169
Zfp873	0.03433389	0.03402482	0.04118413	-0.0071593	0.78018256	0.90650187
Dguok	0.62337403	0.54121145	0.54837517	-0.0071637	0.52315569	0.90650187
Tsc22d4	0.91833085	0.70646619	0.71363061	-0.0071644	0.51779937	0.90650187
D8Ert82e	0.05686682	0.06003957	0.06720596	-0.0071664	0.68226783	0.90650187
Gm42715	0.06640039	0.07081861	0.07798584	-0.0071672	0.65857228	0.90650187
Kdm1b	0.04355473	0.04475084	0.05192635	-0.0071755	0.73049859	0.90650187
Zfp871	0.26678902	0.27212969	0.2793113	-0.0071816	0.5455019	0.90650187
Smim24	0.12047451	0.12963714	0.13682033	-0.0071832	0.5922739	0.90650187
Zfp658	0.03206033	0.03132891	0.03851517	-0.0071863	0.7965816	0.9075779
Cc2d2a	0.21875285	0.22785936	0.23504639	-0.007187	0.55406311	0.90650187

2700038G22	0.10452684	0.11263005	0.11981759	-0.0071875	0.60514227	0.90650187
Cst6	0.0330702	0.03251071	0.03970166	-0.007191	0.78965061	0.90650187
Zfp472	0.06140963	0.06516579	0.07235938	-0.0071936	0.67074059	0.90650187
Fam159a	0.03924134	0.03972349	0.04691763	-0.0071941	0.75227604	0.90650187
Tmem220	0.03501767	0.03478714	0.04198525	-0.0071981	0.77702106	0.90650187
Col11a2	0.03414202	0.03375134	0.04095921	-0.0072079	0.78298757	0.90650187
Pak7	0.03500472	0.03475822	0.04197008	-0.0072119	0.77753753	0.90650187
Gm10184	0.02799281	0.02650549	0.03372005	-0.0072146	0.82923802	0.90974008
Cfap52	0.02430878	0.02213096	0.02935448	-0.0072235	0.86301617	0.91950555
Lpin3	0.03203834	0.03126574	0.03848932	-0.0072236	0.79795542	0.9075779
Ttc22	0.03961174	0.04012145	0.04734886	-0.0072274	0.75129952	0.90650187
Slc18b1	0.0450277	0.04639992	0.05363024	-0.0072303	0.72552941	0.90650187
Ly6g6d	0.04033439	0.04095484	0.04818959	-0.0072347	0.74774907	0.90650187
Mier2	0.15892944	0.1693183	0.17655582	-0.0072375	0.57230205	0.90650187
Nf1	0.26482667	0.27030129	0.27754733	-0.007246	0.54619875	0.90650187
Kirrel2	0.02303118	0.02058907	0.0278355	-0.0072464	0.87643061	0.92466836
Zfp940	0.03372071	0.03321818	0.04046511	-0.0072469	0.78703257	0.90650187
Gpr155	0.03776452	0.03794365	0.04519615	-0.0072525	0.76219281	0.90650187
Rimklb	0.05184439	0.05421862	0.06147262	-0.007254	0.70006876	0.90650187
Meig1	0.06700134	0.07139432	0.07866087	-0.0072665	0.65934522	0.90650187
Atp2b2	0.01963194	0.01650855	0.02378132	-0.0072728	0.91301372	0.9407546
Gpatch1	0.21452636	0.22376262	0.23103982	-0.0072772	0.5556803	0.90650187
Samd5	0.18897735	0.19914181	0.20642075	-0.0072789	0.56228453	0.90650187
Slc26a1	0.0430177	0.04402344	0.05130431	-0.0072809	0.73594699	0.90650187
Med21	0.8615108	0.67767154	0.6849568	-0.0072853	0.5188565	0.90650187
Hist1h3d	0.016014	0.01215527	0.01944594	-0.0072907	0.95221753	0.96420588
Tmem266	0.02242086	0.01981747	0.02710895	-0.0072915	0.8840995	0.9278081
Tbc1d2b	0.13138094	0.14096815	0.14826848	-0.0073003	0.58663191	0.90650187
St3gal3	0.08089074	0.08681581	0.09411664	-0.0073008	0.63489835	0.90650187
Slx4ip	0.07221964	0.07719292	0.08450031	-0.0073074	0.64967585	0.90650187

Polr3a	0.04243976	0.04332637	0.05063438	-0.007308	0.73944324	0.90650187
Lhx1os	0.1385803	0.14843281	0.15574702	-0.0073142	0.58268806	0.90650187
Ubox5	0.0540467	0.0566763	0.06399131	-0.007315	0.69433957	0.90650187
Btbd19	0.03387135	0.03332335	0.04064181	-0.0073185	0.78829821	0.90650187
Map7d2	0.03707225	0.03706929	0.04438802	-0.0073187	0.76821947	0.90650187
Clcf1	0.03569632	0.03545898	0.04277963	-0.0073207	0.77659776	0.90650187
Ulk4	0.07587382	0.08124489	0.08856599	-0.0073211	0.64337153	0.90650187
Mrpl11	0.73381085	0.60782543	0.61514686	-0.0073214	0.52109869	0.90650187
Plcx2	0.03917039	0.03950937	0.046835	-0.0073256	0.75658296	0.90650187
Vps33a	0.15858453	0.1688804	0.17620713	-0.0073267	0.57332638	0.90650187
Rad51ap2	0.02229093	0.01962614	0.0269542	-0.0073281	0.88659753	0.92907549
Fbxl12os	0.03525266	0.03493083	0.04226039	-0.0073296	0.77965774	0.90650187
Sgk2	0.02517349	0.02304652	0.0303811	-0.0073346	0.85842132	0.91744797
Atp6v0c	0.02664117	0.02478388	0.03212086	-0.007337	0.84505567	0.91332066
1810041H14	0.01908251	0.01578666	0.0231243	-0.0073376	0.92082594	0.94507293
Ccdc93	0.0485819	0.050387	0.05772802	-0.007341	0.71407465	0.90650187
Arhgap42	0.07661667	0.08204512	0.08939014	-0.007345	0.64255152	0.90650187
Chst14	0.10600607	0.11405907	0.12140796	-0.0073489	0.60607172	0.90650187
Zfp157	0.30646654	0.30684873	0.3141994	-0.0073507	0.54141716	0.90650187
Dhdh	0.01941239	0.016168	0.02351884	-0.0073508	0.91765633	0.94297078
Zfp507	0.13697637	0.1467353	0.1540862	-0.0073509	0.58397928	0.90650187
Slc25a10	0.11919222	0.12811379	0.13546477	-0.007351	0.59531553	0.90650187
Zbtb8b	0.01400244	0.00966895	0.01702633	-0.0073574	0.97263578	0.97933606
Bdh1	0.04258224	0.04343858	0.05079958	-0.007361	0.74027105	0.90650187
Arhgap19	0.02308618	0.02053579	0.02790094	-0.0073651	0.87970795	0.92562058
Klb	0.03471496	0.03426527	0.04163068	-0.0073654	0.78422094	0.90650187
Anks6	0.06188595	0.06553247	0.07289796	-0.0073655	0.6733479	0.90650187
Dock9	0.11618641	0.12490924	0.13227935	-0.0073701	0.59781374	0.90650187
Usp35	0.02769015	0.02599106	0.03336221	-0.0073712	0.83700585	0.91092327
Cfap77	0.18171866	0.19192178	0.19929816	-0.0073764	0.56534687	0.90650187

Pip4k2a	0.04866791	0.05044885	0.05782695	-0.0073781	0.71471469	0.90650187
Fbxo7	0.18097601	0.19118778	0.1985662	-0.0073784	0.56560365	0.90650187
Grin2c	0.04604284	0.04741946	0.05480259	-0.0073831	0.72538773	0.90650187
Zfp689	0.06064148	0.06410323	0.07149013	-0.0073869	0.67700994	0.90650187
Ppip5k1	0.13899149	0.14878358	0.1561723	-0.0073887	0.58329396	0.90650187
Ccdc9	0.2070786	0.21654555	0.2239347	-0.0073891	0.5583121	0.90650187
Tmem55a	0.48023596	0.44399608	0.45138718	-0.0073911	0.52901465	0.90650187
Trim21	0.02120825	0.0182705	0.02566365	-0.0073931	0.89984771	0.93477653
Fggy	0.02400029	0.02159477	0.02898795	-0.0073932	0.87156508	0.9223337
Etaa1os	0.05723922	0.06022985	0.06762957	-0.0073997	0.68666453	0.90650187
Gorasp2	0.87705917	0.6855509	0.69295285	-0.0074019	0.51893739	0.90650187
Fbxo9	0.44674847	0.41934771	0.42675317	-0.0074055	0.53074578	0.90650187
Slc25a40	0.057865	0.06093175	0.06834093	-0.0074092	0.68508651	0.90650187
Fzd5	0.01953704	0.01625761	0.02366788	-0.0074103	0.91802249	0.9430871
Fabp3-ps1	0.02581564	0.02373112	0.03114271	-0.0074116	0.85497243	0.91627438
Rprm	0.04526312	0.04649008	0.05390226	-0.0074122	0.72950682	0.90650187
Zswim6	0.08878297	0.09535951	0.10277618	-0.0074167	0.62582266	0.90650187
Tef	0.21410958	0.22322513	0.23064374	-0.0074186	0.55685176	0.90650187
Slc15a2	0.03132265	0.03022463	0.03764746	-0.0074228	0.80962801	0.9092537
F8a	0.26246775	0.26799871	0.27542204	-0.0074233	0.54768733	0.90650187
Perp	0.08122109	0.08705482	0.09448087	-0.0074261	0.63661227	0.90650187
Catsper2	0.05100551	0.05308328	0.06051132	-0.007428	0.70737007	0.90650187
Ppp4r1	0.16338039	0.17361287	0.18104358	-0.0074307	0.57239083	0.90650187
Mtr	0.0391862	0.03942106	0.04685341	-0.0074323	0.75965896	0.90650187
5830454E081	0.03580077	0.03546831	0.04290184	-0.0074335	0.77943399	0.90650187
Hs6st3	0.02226655	0.01948048	0.02692516	-0.0074447	0.89049947	0.93072624
Fbxw17	0.13396427	0.1435141	0.15095907	-0.007445	0.58677139	0.90650187
Wdtdc1	0.1777065	0.18789015	0.19533658	-0.0074464	0.56728699	0.90650187
Zfp763	0.09314354	0.10007551	0.10752318	-0.0074477	0.62093153	0.90650187
Dnal4	0.41761466	0.39720679	0.40465964	-0.0074528	0.53262784	0.90650187

Rin3	0.0591179	0.06230714	0.06976344	-0.0074563	0.68265829	0.90650187
Dnmt3b	0.06164043	0.06516221	0.07262039	-0.0074582	0.67600917	0.90650187
Gm16223	0.02748206	0.02565625	0.0331161	-0.0074599	0.84169139	0.91251845
Gm26632	0.02584777	0.02371823	0.0311808	-0.0074626	0.8563304	0.9165432
Gal3st1	0.03705618	0.03690451	0.04436925	-0.0074647	0.77275031	0.90650187
Fchsd2	0.17773794	0.18790094	0.1953677	-0.0074668	0.56745822	0.90650187
Tyw3	0.03540647	0.03497113	0.04244044	-0.0074693	0.78301186	0.90650187
Gk	0.08816559	0.09462547	0.10210194	-0.0074765	0.6276107	0.90650187
Gabbr2	0.01465258	0.01033164	0.01780908	-0.0074774	0.96901868	0.97653493
Tkfc	0.18669201	0.1967048	0.20418443	-0.0074796	0.5646818	0.90650187
Golga3	0.29725707	0.29874929	0.3062318	-0.0074825	0.5432499	0.90650187
Eif4ebp2	0.17121647	0.18140651	0.18889029	-0.0074838	0.56990555	0.90650187
Ss18l1	0.05235032	0.05456611	0.06205188	-0.0074858	0.70412634	0.90650187
Hmga1-rs1	0.0301141	0.02873715	0.03622404	-0.0074869	0.82090811	0.9092537
Lrch3	0.16564878	0.17583445	0.18332212	-0.0074877	0.572043	0.90650187
Gpd1l	0.10360133	0.11132476	0.11882115	-0.0074964	0.61044231	0.90650187
Tnk2	0.05983704	0.0630618	0.07057888	-0.0075171	0.68206604	0.90650187
Paox	0.10841975	0.11647189	0.1239971	-0.0075252	0.60634206	0.90650187
Camkk1	0.02175558	0.01878044	0.02631629	-0.0075358	0.89849624	0.93440169
Tmcc2	0.04350243	0.04432581	0.05186579	-0.00754	0.74095072	0.90650187
Pkn1	0.19912789	0.20874571	0.21628574	-0.00754	0.56158155	0.90650187
Il1r1	0.32148322	0.31949005	0.32703041	-0.0075404	0.54082114	0.90650187
Ttll13	0.01846401	0.01484115	0.0223841	-0.007543	0.93294275	0.95198112
Xylb	0.01866725	0.01508392	0.0226274	-0.0075435	0.93083905	0.95091965
Mboat7	0.38690419	0.37312619	0.38067196	-0.0075458	0.53511012	0.90650187
Grip1	0.08159928	0.08734028	0.09489767	-0.0075574	0.63834399	0.90650187
Chic2	0.76438518	0.62498357	0.63254384	-0.0075603	0.52118768	0.90650187
Atg7	0.14979706	0.15971508	0.16727725	-0.0075622	0.57964061	0.90650187
Rptoros	0.02185397	0.01886637	0.02643357	-0.0075672	0.89842957	0.93440169
Slc5a1	0.03621645	0.03582065	0.04338799	-0.0075673	0.78093731	0.90650187

Snx19	0.08932694	0.0957988	0.10336981	-0.007571	0.62763829	0.90650187
Gm7008	0.02642536	0.02429283	0.03186526	-0.0075724	0.85461862	0.91621818
Vgf	0.04154207	0.04201966	0.0495928	-0.0075731	0.75139079	0.90650187
Ncbp2	0.72437687	0.6021145	0.60968778	-0.0075733	0.52201897	0.90650187
Myo1b	0.47111575	0.43718245	0.44475724	-0.0075748	0.53017688	0.90650187
Hddc2	0.27055066	0.27510755	0.28268252	-0.007575	0.5474129	0.90650187
Zfp661	0.0311709	0.02989079	0.03746886	-0.0075781	0.81570645	0.9092537
Smoc1	0.11627392	0.12478992	0.13237224	-0.0075823	0.60050163	0.90650187
Klhl23	0.11812583	0.12675314	0.13433592	-0.0075828	0.59906929	0.90650187
Myt1l	0.10106008	0.10849667	0.1160796	-0.0075829	0.61424892	0.90650187
Dyrk1a	0.18879129	0.1986522	0.2062389	-0.0075867	0.56495178	0.90650187
Etnk2	0.03136179	0.03010485	0.03769352	-0.0075887	0.81461043	0.9092537
Klhl11	0.0215147	0.01843766	0.02602912	-0.0075915	0.90261103	0.93630341
Tbl3	0.25974398	0.26536531	0.27296145	-0.0075961	0.54922957	0.90650187
Pik3r2	0.38250609	0.36956843	0.37717609	-0.0076077	0.53572452	0.90650187
Pgap3	0.04633865	0.04753499	0.05514392	-0.0076089	0.73020031	0.90650187
Bclaf1	1.13355333	0.79339831	0.80101361	-0.0076153	0.51685618	0.90650187
Tsyp13	0.05102773	0.05291428	0.06053679	-0.0076225	0.71218174	0.90650187
Zfp27	0.04995609	0.05168223	0.05930724	-0.007625	0.71619082	0.90650187
Clip4	0.06089178	0.06414752	0.07177347	-0.007626	0.68166045	0.90650187
Agt	0.07477645	0.07971756	0.08734707	-0.0076295	0.6511068	0.90650187
Nt5c3b	0.45989915	0.42888708	0.43652162	-0.0076345	0.53098707	0.90650187
Scn2b	0.04080535	0.04110235	0.04873707	-0.0076347	0.75691371	0.90650187
Slc25a27	0.03876036	0.03872204	0.04635733	-0.0076353	0.76798116	0.90650187
Gm26843	0.02290557	0.02005035	0.02768601	-0.0076357	0.8899148	0.9303978
Dennd4a	0.05814134	0.06099841	0.06865488	-0.0076565	0.68997493	0.90650187
Samd9l	0.05297819	0.05510767	0.06277021	-0.0076625	0.70632764	0.90650187
Palm	0.26305484	0.26828755	0.27595148	-0.0076639	0.54913123	0.90650187
Phtf2	0.03188901	0.03064248	0.03831373	-0.0076713	0.81329603	0.9092537
5430403G16	0.08154954	0.08716932	0.09484286	-0.0076735	0.64045862	0.90650187

Dmap1	0.3085448	0.30831035	0.31598698	-0.0076766	0.54300302	0.90650187
Smurf2	0.15255093	0.16240388	0.17008528	-0.0076814	0.57956183	0.90650187
Btc	0.02120483	0.01797464	0.02565957	-0.0076849	0.90847773	0.93899299
3110001I22R	0.03704044	0.03666471	0.04435087	-0.0076862	0.77948015	0.90650187
Dusp4	0.03437534	0.03354565	0.04123271	-0.0076871	0.79639107	0.9075779
Pkd2	0.51571515	0.46895137	0.47664188	-0.0076905	0.52859115	0.90650187
Nap1l2	0.0565443	0.05914661	0.06683892	-0.0076923	0.69554615	0.90650187
Suco	0.26346421	0.26862624	0.27632045	-0.0076942	0.54925879	0.90650187
Rev1	0.17759441	0.18752974	0.19522566	-0.0076959	0.56955788	0.90650187
H2-M3	0.05653658	0.05912574	0.06683014	-0.0077044	0.69585079	0.90650187
Kat2b	0.11704052	0.125479	0.13318561	-0.0077066	0.60150297	0.90650187
Aldh3a2	0.16745562	0.17742613	0.18513292	-0.0077068	0.57341041	0.90650187
Klhl25	0.07546843	0.08039636	0.08811589	-0.0077195	0.65153373	0.90650187
Taf1c	0.06209074	0.06540915	0.07312941	-0.0077203	0.68058021	0.90650187
Egf	0.02095884	0.01763914	0.02536608	-0.0077269	0.91216483	0.94062208
Eif1b	1.29715097	0.842335	0.8500664	-0.0077314	0.51612605	0.90650187
Ppp1r3f	0.0401181	0.04020161	0.04793804	-0.0077364	0.76345163	0.90650187
Acox3	0.08241231	0.08804849	0.095793	-0.0077445	0.64035608	0.90650187
Cand2	0.10929943	0.11719431	0.12493893	-0.0077446	0.60856118	0.90650187
Trpm5	0.06577832	0.0695417	0.07728653	-0.0077448	0.67201747	0.90650187
A230072E10	0.0345737	0.03371798	0.04146517	-0.0077472	0.79690009	0.9075779
Gm16861	0.03378131	0.0327881	0.04053619	-0.0077481	0.80226334	0.9086659
Exoc8	0.11211315	0.12019601	0.12794499	-0.007749	0.60613049	0.90650187
Gm10643	0.02598736	0.02359613	0.03134626	-0.0077501	0.86414727	0.92013888
Fbxo4	0.12873087	0.13774941	0.14550011	-0.0077507	0.59359965	0.90650187
Kank1	0.12196125	0.13063742	0.13838952	-0.0077521	0.59833019	0.90650187
Ghdc	0.1560826	0.1659185	0.17367366	-0.0077552	0.57867787	0.90650187
Rpl13	5.37550097	0.58148411	0.5892413	-0.0077572	0.52333481	0.90650187
Mrpl36	0.64161927	0.55209522	0.55985589	-0.0077607	0.52456912	0.90650187
Cd3eap	0.31315065	0.31217236	0.31993505	-0.0077627	0.54294868	0.90650187

Gfod1	0.03174681	0.03038297	0.0381465	-0.0077635	0.81720486	0.9092537
Acrbp	0.04450688	0.04526423	0.05302815	-0.0077639	0.74244036	0.90650187
Gdpd5	0.09108124	0.0975169	0.10528143	-0.0077645	0.62849292	0.90650187
Srgap2	0.19610792	0.20559016	0.21336233	-0.0077722	0.56432365	0.90650187
Foxp2	0.06806177	0.07207444	0.07985073	-0.0077763	0.66746968	0.90650187
Churc1	1.1645346	0.80345479	0.81123287	-0.0077781	0.5169995	0.90650187
Slc25a19	0.09563209	0.10243927	0.11022041	-0.0077811	0.62317977	0.90650187
Pfn2	0.50086259	0.45838817	0.46617254	-0.0077844	0.52958823	0.90650187
Foxj1	0.02156188	0.01829633	0.02608537	-0.007789	0.90782012	0.93850473
Gm43672	0.03654117	0.03597696	0.04376758	-0.0077906	0.78562042	0.90650187
Zscan22	0.07548996	0.08033886	0.08813981	-0.0078009	0.653012	0.90650187
Prr14	0.16693536	0.17680749	0.18461189	-0.0078044	0.57453672	0.90650187
Cadps2	0.01906151	0.01529422	0.02309918	-0.007805	0.93346726	0.95231059
Tlcd1	0.14706883	0.15666875	0.16448633	-0.0078176	0.58366857	0.90650187
C030037D09	0.02316905	0.02017444	0.02799954	-0.0078251	0.89296021	0.93179124
Kcnb1	0.07764674	0.08270559	0.09053164	-0.007826	0.64962278	0.90650187
Thrb	0.02828751	0.02623896	0.03406834	-0.0078294	0.84652965	0.91408934
Parn	0.19285696	0.20237475	0.21020429	-0.0078295	0.56575889	0.90650187
Rnpc3	0.26791068	0.27247444	0.28031794	-0.0078435	0.54949723	0.90650187
Gm10273	0.02396872	0.02110627	0.02895043	-0.0078442	0.88581021	0.92839449
A530017D24	0.03910003	0.0389084	0.04675305	-0.0078447	0.77214338	0.90650187
Elac1	0.06317716	0.06650995	0.07435625	-0.0078463	0.6805058	0.90650187
Rrp1b	0.20668703	0.21570965	0.22355954	-0.0078499	0.56202267	0.90650187
Immp2l	0.10541998	0.1129249	0.12077817	-0.0078533	0.61373351	0.90650187
Cox18	0.29526294	0.29663832	0.30449612	-0.0078578	0.54566759	0.90650187
4933404O12	0.05622894	0.05861596	0.06647988	-0.0078639	0.70051121	0.90650187
Camk1g	0.05451233	0.056654	0.06452291	-0.0078689	0.70614744	0.90650187
Gmps	0.70517299	0.5905634	0.59843909	-0.0078757	0.52332716	0.90650187
Fbxl15	0.39996747	0.38308571	0.39096522	-0.0078795	0.53569615	0.90650187
Fam109b	0.07337443	0.07790593	0.08578723	-0.0078813	0.65851689	0.90650187

Spidr	0.09539504	0.10207981	0.10996386	-0.0078841	0.6250365	0.90650187
Nr1d2	0.04137683	0.0415147	0.04940094	-0.0078862	0.76105054	0.90650187
Agtrap	0.44511225	0.41764157	0.42552919	-0.0078876	0.53283723	0.90650187
Drap1	1.17097369	0.80541943	0.81330737	-0.0078879	0.51719552	0.90650187
Shd	0.04511916	0.0458435	0.05373593	-0.0078924	0.74310449	0.90650187
Zfp784	0.05158613	0.0532813	0.06117678	-0.0078955	0.7169316	0.90650187
Brca1	0.03624368	0.03552184	0.04341982	-0.007898	0.79064081	0.90650187
Ppil4	0.58491214	0.51565438	0.52355259	-0.0078982	0.52673523	0.90650187
Elmsan1	0.05402737	0.05606953	0.06396924	-0.0078997	0.70849671	0.90650187
Llgl1	0.14369191	0.1531182	0.16101973	-0.0079015	0.58634539	0.90650187
Fbxo17	0.08381167	0.08943014	0.0973318	-0.0079017	0.64091528	0.90650187
Csgalnact2	0.12488883	0.13356872	0.14147157	-0.0079028	0.59806404	0.90650187
Rap1gapos	0.09425401	0.10082258	0.10872784	-0.0079053	0.62673793	0.90650187
Actr3b	0.0356854	0.0348601	0.04276686	-0.0079068	0.79443485	0.90731056
Neil2	0.03097205	0.029326	0.03723477	-0.0079088	0.82748139	0.90947782
Dock5	0.02006161	0.01638248	0.02429481	-0.0079123	0.92616973	0.94759147
C330018D20	0.11259384	0.12054252	0.12845755	-0.007915	0.60792696	0.90650187
Tll10	0.02444606	0.02159464	0.02951754	-0.0079229	0.88361614	0.92767795
Ufc1	1.13405889	0.7932649	0.80118897	-0.0079241	0.51753536	0.90650187
Ypel5	0.35494259	0.34698306	0.35491119	-0.0079281	0.5395529	0.90650187
Birc3	0.05697659	0.05940165	0.06733084	-0.0079292	0.699699	0.90650187
Ube2g1	0.76408949	0.62444844	0.63237769	-0.0079292	0.52222652	0.90650187
Kctd6	0.03309512	0.03179685	0.03973092	-0.0079341	0.81266683	0.9092537
Alg11	0.24652995	0.25298726	0.26092261	-0.0079354	0.55377421	0.90650187
Gm15972	0.02435074	0.0214634	0.02940433	-0.0079409	0.88504296	0.92807528
Apoo-ps	0.0222077	0.01891312	0.02685505	-0.0079419	0.90569699	0.93739361
Arsk	0.15199766	0.16157988	0.16952183	-0.007942	0.58249204	0.90650187
Mbd6	0.19707885	0.20636132	0.21430332	-0.007942	0.56543062	0.90650187
D10Wsu102e	0.13566184	0.14477318	0.15272279	-0.0079496	0.5915	0.90650187
Lonrf2	0.03455923	0.03349467	0.04144822	-0.0079536	0.8031906	0.90882608

Uevld	0.04815275	0.04927899	0.05723425	-0.0079553	0.73168455	0.90650187
Cstb	1.49499192	0.88451897	0.89247696	-0.007958	0.51581006	0.90650187
Acsl4	0.06331007	0.0665417	0.07450621	-0.0079645	0.68268601	0.90650187
Tmem56	0.02134583	0.01786115	0.02582774	-0.0079666	0.91485154	0.94167513
Exosc7	0.55562563	0.49609459	0.50406276	-0.0079682	0.52801287	0.90650187
Prmt2	0.59287597	0.5207954	0.52876388	-0.0079685	0.52670732	0.90650187
Dusp12	0.25875269	0.26409422	0.27206418	-0.00797	0.55180831	0.90650187
Ints6	0.03308293	0.03174637	0.03971662	-0.0079702	0.81383966	0.9092537
Mbtps1	0.71953087	0.59889184	0.60686695	-0.0079751	0.52329364	0.90650187
Pigv	0.12627661	0.13495205	0.14292876	-0.0079767	0.59797328	0.90650187
Ext1	0.16566312	0.17535924	0.1833365	-0.0079773	0.57669099	0.90650187
B3galnt2	0.13380667	0.14281398	0.15079515	-0.0079812	0.59300959	0.90650187
Sult1c2	0.02442417	0.02150287	0.02949155	-0.0079887	0.88574911	0.92839449
Lamc2	0.03970491	0.03945692	0.0474573	-0.0080004	0.77320473	0.90650187
Tonsl	1.19407203	0.81265471	0.8206552	-0.0080005	0.51728467	0.90650187
Zfp287	0.03932065	0.03900924	0.04700998	-0.0080007	0.77535773	0.90650187
Asnsd1	0.42513786	0.40242416	0.41042505	-0.0080009	0.53453042	0.90650187
Epb41l3	0.6508964	0.55761988	0.56562156	-0.0080017	0.5250732	0.90650187
Psph	0.20337095	0.2123717	0.22037605	-0.0080043	0.56413846	0.90650187
Tdp2	0.36894131	0.35828817	0.36629719	-0.008009	0.53871713	0.90650187
Gm13205	0.02042975	0.01672458	0.02473451	-0.0080099	0.92501655	0.94726331
Kifc2	0.03401716	0.03279492	0.0408128	-0.0080179	0.80876702	0.9092537
Cdh4	0.03224096	0.03070655	0.03872751	-0.008021	0.82140732	0.9092537
Pptc7	0.11000903	0.11767588	0.12569796	-0.0080221	0.61168752	0.90650187
Abtb2	0.02922927	0.02715741	0.03518044	-0.008023	0.84466981	0.91325304
E130012A19	0.0197495	0.01589568	0.02392185	-0.0080262	0.93209455	0.95146248
Snx25	0.04773234	0.0487215	0.05675027	-0.0080288	0.73530726	0.90650187
Zfp202	0.0365621	0.03575813	0.04379203	-0.0080339	0.79262758	0.90681274
Zfp444	0.41817721	0.39705253	0.40509234	-0.0080398	0.53515358	0.90650187
Ccdc126	0.25518874	0.2607885	0.26883048	-0.008042	0.55289894	0.90650187

Wrn	0.12666978	0.13529861	0.14334117	-0.0080426	0.59848718	0.90650187
Tyro3	0.04770289	0.04867232	0.05671637	-0.008044	0.73582195	0.90650187
Zfp112	0.07971065	0.08476872	0.09281424	-0.0080455	0.65001587	0.90650187
Ubr4	0.43437942	0.40940301	0.41744935	-0.0080463	0.53414324	0.90650187
St14	0.15220079	0.16168164	0.16972874	-0.0080471	0.58346782	0.90650187
Lcorl	0.30955517	0.3087993	0.31685465	-0.0080554	0.54499268	0.90650187
Fam171a2	0.05760398	0.05998697	0.06804429	-0.0080573	0.70070078	0.90650187
Cdhr5	0.02204072	0.01859843	0.02665612	-0.0080577	0.91049842	0.93983499
Pon3	0.15690074	0.16644288	0.1745029	-0.00806	0.58134501	0.90650187
Lcmt2	0.12931505	0.13804888	0.14611108	-0.0080622	0.59688879	0.90650187
Slc16a13	0.03803523	0.0374484	0.04551195	-0.0080636	0.78454856	0.90650187
Osbpl1a	0.26840588	0.27269503	0.28076198	-0.008067	0.55081974	0.90650187
Cfap69	0.03958719	0.03924981	0.04732028	-0.0080705	0.77583375	0.90650187
Mrgpre	0.03005754	0.02808517	0.03615738	-0.0080722	0.83952087	0.91213511
Lin7b	0.0235294	0.02035465	0.02842816	-0.0080735	0.89662234	0.93371722
Cacna1b	0.02506341	0.02217622	0.03025047	-0.0080743	0.88230567	0.92700639
2610305D13	0.08109752	0.08626746	0.09434465	-0.0080772	0.64825162	0.90650187
Shroom3	0.09156031	0.09772497	0.10580272	-0.0080777	0.63284954	0.90650187
Gmeb2	0.07886048	0.0837968	0.09187472	-0.0080779	0.65205413	0.90650187
Brpf3	0.07347404	0.0778175	0.08589814	-0.0080806	0.66210283	0.90650187
Ehhadh	0.03412423	0.03285293	0.04093834	-0.0080854	0.81003269	0.9092537
Dmpk	0.10482995	0.11204603	0.1201437	-0.0080977	0.61777155	0.90650187
Tfeb	0.06038999	0.06310139	0.07120535	-0.008104	0.6935575	0.90650187
Cct2	1.35661979	0.8565652	0.86467397	-0.0081088	0.51662715	0.90650187
Pvrl1	0.09877825	0.10550793	0.11361815	-0.0081102	0.62450473	0.90650187
Comtd1	0.16618288	0.17574577	0.18385777	-0.008112	0.57775159	0.90650187
Gm15234	0.03956051	0.03917237	0.04728923	-0.0081169	0.77728534	0.90650187
Ybx3	0.28175685	0.28452589	0.29264421	-0.0081183	0.54907583	0.90650187
Fgd4	0.1946276	0.20380654	0.21192571	-0.0081192	0.56761975	0.90650187
Apitd1	0.17765388	0.18716385	0.19528451	-0.0081207	0.57333257	0.90650187

Al987944	0.13415535	0.14303521	0.15115776	-0.0081225	0.59440341	0.90650187
Mboat2	0.16311269	0.17264996	0.1807743	-0.0081243	0.57917913	0.90650187
lqcg	0.19707377	0.20617194	0.2142984	-0.0081265	0.56693759	0.90650187
Atg101	0.42010129	0.3984422	0.40657044	-0.0081282	0.5354104	0.90650187
Ccdc157	0.05124703	0.05265951	0.06078819	-0.0081287	0.72390192	0.90650187
Fig4	0.06713055	0.07067605	0.07880593	-0.0081299	0.6767478	0.90650187
Gca	0.07688267	0.08154982	0.08968506	-0.0081352	0.65662023	0.90650187
Spsb1	0.12803478	0.136636	0.14477155	-0.0081355	0.5986383	0.90650187
Mettl4	0.03049146	0.02853165	0.03666874	-0.0081371	0.83806012	0.91139496
Neto2	0.04180563	0.04176003	0.04989874	-0.0081387	0.76580407	0.90650187
Yrdc	0.33725108	0.33214833	0.34028831	-0.00814	0.54234472	0.90650187
Wwc1	0.0942616	0.10059476	0.10873606	-0.0081413	0.63037698	0.90650187
Slc39a8	0.03669969	0.03580659	0.04395282	-0.0081462	0.79501604	0.90731056
Enpp1	0.0359566	0.03493279	0.04308412	-0.0081513	0.79985098	0.90805731
Gtf2b	0.65635348	0.56083202	0.56899167	-0.0081597	0.52541633	0.90650187
Unc79	0.04787365	0.04875147	0.05691298	-0.0081615	0.73810516	0.90650187
Vil1	0.05214884	0.05365601	0.06182125	-0.0081652	0.72145447	0.90650187
Prkdc	0.06516603	0.06842836	0.07659766	-0.0081693	0.6822975	0.90650187
Fchsd1	0.03637626	0.03540463	0.04357482	-0.0081702	0.7977305	0.9075779
Adarb1	0.10968165	0.11717656	0.12534786	-0.0081713	0.61401711	0.90650187
Lsm12	0.57642191	0.50975865	0.51795597	-0.0081973	0.52804543	0.90650187
Fasn	0.3485247	0.34143228	0.34963761	-0.0082053	0.54154621	0.90650187
Mrpl55	0.59434011	0.52151219	0.52971754	-0.0082054	0.52745054	0.90650187
Triobp	0.55685292	0.49667797	0.50489005	-0.0082121	0.52882166	0.90650187
Fam120a	0.56257328	0.50052047	0.50873398	-0.0082135	0.52860925	0.90650187
Ttc38	0.07260182	0.0767104	0.08492643	-0.008216	0.66643157	0.90650187
Eml2	0.34364314	0.33738443	0.34560286	-0.0082184	0.54209631	0.90650187
Daam1	0.43625251	0.41064633	0.41886547	-0.0082191	0.53475704	0.90650187
Gm5093	0.10770745	0.11501296	0.12323378	-0.0082208	0.61659972	0.90650187
Zfp239	0.04426012	0.04451299	0.05274274	-0.0082298	0.75605662	0.90650187

Pde1a	0.09515967	0.10147822	0.10970904	-0.0082308	0.63063202	0.90650187
Cacna2d2	0.02479101	0.02169466	0.02992715	-0.0082325	0.88931941	0.9302877
Clk3	0.36392104	0.35399413	0.36223216	-0.008238	0.54026596	0.90650187
Wdr5b	0.0619903	0.06476945	0.0730159	-0.0082464	0.69219745	0.90650187
9130023H24	0.05575046	0.05768807	0.06593484	-0.0082468	0.71090561	0.90650187
Gm16536	0.02185748	0.01818436	0.02643775	-0.0082534	0.91740695	0.94283706
Ncapd3	0.18168753	0.19101367	0.1992675	-0.0082538	0.57304853	0.90650187
Metap1d	0.14806921	0.15725214	0.16551074	-0.0082586	0.58777509	0.90650187
Map3k3	0.04618289	0.04670468	0.05496422	-0.0082595	0.74794794	0.90650187
Zfp114	0.04139557	0.0411566	0.04942271	-0.0082661	0.77142316	0.90650187
Ubiad1	0.04736837	0.04806209	0.05633105	-0.008269	0.74298661	0.90650187
Zgrf1	0.04667273	0.04725756	0.05552926	-0.0082717	0.74608548	0.90650187
Gm17491	0.05141943	0.05271166	0.06098577	-0.0082741	0.72679496	0.90650187
Dlgap3	0.02496108	0.02184286	0.03012902	-0.0082862	0.88926752	0.9302877
Nupr1l	0.0556404	0.057522	0.06580943	-0.0082874	0.71220523	0.90650187
Filip1	0.17158971	0.18096679	0.18926233	-0.0082955	0.57724678	0.90650187
Adam23	0.04186719	0.04167325	0.04997018	-0.0082969	0.76978473	0.90650187
Cnot2	0.50922697	0.46378743	0.4720861	-0.0082987	0.53114487	0.90650187
B130006D01	0.05801791	0.06021376	0.06851467	-0.0083009	0.70492143	0.90650187
Gabrb3	0.06615761	0.06941016	0.07771298	-0.0083028	0.68259447	0.90650187
Tmem194	0.05197094	0.05331465	0.06161756	-0.0083029	0.72542728	0.90650187
Cdk5r2	0.04099341	0.04064645	0.04895559	-0.0083091	0.77473883	0.90650187
Zfp169	0.01980095	0.01567208	0.02398334	-0.0083113	0.93829227	0.9555402
Tbcd	0.2146357	0.22283151	0.23114371	-0.0083122	0.56350799	0.90650187
Atl1	0.03972974	0.03916735	0.0474862	-0.0083188	0.78195158	0.90650187
Npr2	0.05874008	0.06101196	0.06933472	-0.0083228	0.70320444	0.90650187
Tex26	0.03485976	0.03347414	0.0418003	-0.0083262	0.81206088	0.9092537
Tmem25	0.03075248	0.02864121	0.0369762	-0.008335	0.84185392	0.91251845
Onecut2	0.07731992	0.08182601	0.09016963	-0.0083436	0.65959672	0.90650187
Zfp85	0.0416995	0.04143108	0.04977555	-0.0083445	0.77194578	0.90650187

Cstf3	0.52249304	0.47302356	0.4813708	-0.0083472	0.53072377	0.90650187
Afg3l1	0.57737313	0.51023761	0.51858511	-0.0083475	0.52852376	0.90650187
Zfand2b	0.35732905	0.34850474	0.3568635	-0.0083588	0.54146642	0.90650187
Hspb6	0.14702795	0.15608234	0.16444445	-0.0083621	0.5894234	0.90650187
Gm4723	0.03949727	0.03885263	0.04721561	-0.008363	0.78448188	0.90650187
Stard13	0.11448612	0.12210735	0.13047254	-0.0083652	0.61218871	0.90650187
Plekha3	0.06822292	0.07166512	0.0800314	-0.0083663	0.67893852	0.90650187
2900009J06F	0.03060416	0.02843221	0.03680151	-0.0083693	0.84399366	0.9130051
Rhou	0.13201174	0.1405548	0.1489262	-0.0083714	0.59866582	0.90650187
Zfp712	0.02399462	0.02060906	0.02898121	-0.0083722	0.90047388	0.93504361
Rdh11	0.15200458	0.16115566	0.16952888	-0.0083732	0.58689836	0.90650187
Gm43740	0.04673731	0.04722496	0.05560371	-0.0083788	0.74853763	0.90650187
Cgref1	0.04013476	0.0395784	0.04795742	-0.008379	0.78134013	0.90650187
Zfp597	0.07630784	0.08066456	0.0890476	-0.008383	0.66221445	0.90650187
Tsen15	0.49966167	0.45693585	0.46531973	-0.0083839	0.53192056	0.90650187
Prep	0.13341553	0.14200082	0.15038821	-0.0083874	0.59790897	0.90650187
Aaed1	0.13324311	0.14181938	0.15020876	-0.0083894	0.59804634	0.90650187
Ccl25	0.14015669	0.14898244	0.15737636	-0.0083939	0.59371563	0.90650187
Krt10	0.40458587	0.3861737	0.39457189	-0.0083982	0.53769232	0.90650187
Mms22l	0.07113796	0.07489017	0.08329312	-0.008403	0.67310061	0.90650187
Bco1	0.05282253	0.05418255	0.06259218	-0.0084096	0.72484429	0.90650187
Pusl1	0.20429266	0.21285168	0.22126206	-0.0084104	0.56709446	0.90650187
Mink1	0.15032552	0.15939767	0.16781678	-0.0084191	0.58824363	0.90650187
Tbc1d32	0.05461268	0.05621647	0.06463742	-0.008421	0.71876376	0.90650187
Nmnat1	0.05454189	0.05613219	0.06455664	-0.0084245	0.71908939	0.90650187
Gm17354	0.05922307	0.06145685	0.06988274	-0.0084259	0.70402593	0.90650187
Gm15446	0.09857415	0.10496575	0.11339814	-0.0084324	0.62951894	0.90650187
Trmt11	0.12621588	0.13443117	0.14286505	-0.0084339	0.6035094	0.90650187
Spire2	0.04798322	0.04860477	0.05703912	-0.0084343	0.74452837	0.90650187
Heatr1	0.02241379	0.0186656	0.02710053	-0.0084349	0.91677129	0.94250239

Tspan1	0.03099443	0.02882191	0.03726112	-0.0084392	0.84300313	0.91273395
Stc2	0.04655034	0.0469407	0.05538811	-0.0084474	0.75111833	0.90650187
Ccdc64b	0.02688912	0.02396603	0.03241443	-0.0084484	0.87670858	0.92473192
Zdhhc18	0.04107203	0.04059456	0.04904692	-0.0084524	0.77819771	0.90650187
Pde4d	0.16374258	0.172954	0.18140778	-0.0084538	0.58206128	0.90650187
Gm26909	0.06269055	0.0653498	0.07380696	-0.0084572	0.69476379	0.90650187
Nptx2	0.02551932	0.02233368	0.03079135	-0.0084577	0.88897677	0.9302877
Zfyve1	0.03483838	0.03331459	0.04177526	-0.0084607	0.81603587	0.9092537
Zfyve26	0.03381782	0.032117	0.04057902	-0.008462	0.82304987	0.9092537
Arfgef3	0.0936485	0.09960182	0.10807118	-0.0084694	0.63622814	0.90650187
Zfp14	0.03137209	0.02922899	0.03770565	-0.0084767	0.84120492	0.91251845
Gm12976	0.02727728	0.02439617	0.03287383	-0.0084777	0.87419613	0.9235672
Pcsk6	0.0863039	0.09158748	0.10006554	-0.0084781	0.64678486	0.90650187
4930427A07	0.02829065	0.02559387	0.03407205	-0.0084782	0.86568091	0.92040222
3110056K07I	0.09286098	0.0987344	0.10721638	-0.008482	0.63746678	0.90650187
Bcar3	0.03857891	0.03766236	0.04614587	-0.0084835	0.79311728	0.9070651
Slc25a25	0.17632082	0.18547105	0.19396427	-0.0084932	0.5771713	0.90650187
ltpka	0.03268673	0.03075695	0.03925132	-0.0084944	0.8319935	0.91015207
Psd3	0.09703298	0.10323408	0.11173501	-0.0085009	0.63240395	0.90650187
Jakmip1	0.09524307	0.1012942	0.10979934	-0.0085051	0.63471231	0.90650187
Cdc45	0.06166683	0.06413425	0.07265024	-0.008516	0.69885474	0.90650187
Pvr	0.05535003	0.05696241	0.06547846	-0.008516	0.718432	0.90650187
Csnk2a2	0.05686173	0.05867827	0.06720016	-0.0085219	0.71354236	0.90650187
Rspry1	0.32597364	0.32230575	0.3308277	-0.008522	0.54558584	0.90650187
Tor1b	0.45917902	0.42746534	0.43598984	-0.0085245	0.53463276	0.90650187
Tcf7l1	0.10970919	0.11683847	0.12537732	-0.0085388	0.61896693	0.90650187
Sgpp2	0.07930948	0.0838302	0.09237104	-0.0085408	0.65948248	0.90650187
Senp1	0.15049039	0.15944327	0.16798503	-0.0085418	0.58941943	0.90650187
Ttc25	0.04385327	0.04372741	0.05227197	-0.0085446	0.76629324	0.90650187
Pars2	0.02709764	0.02410619	0.03266125	-0.0085551	0.87787933	0.92484883

Rab11fip1	0.04986135	0.0506422	0.05919846	-0.0085563	0.73974089	0.90650187
Mcm9	0.03567995	0.03420009	0.04276049	-0.0085604	0.81326267	0.9092537
Hunk	0.05410173	0.05548019	0.06405415	-0.008574	0.72410051	0.90650187
Mrm1	0.09027802	0.09582818	0.10440671	-0.0085785	0.64254554	0.90650187
Sult2b1	0.07250401	0.07623865	0.08481739	-0.0085787	0.67351671	0.90650187
Zfp275	0.13082063	0.13910275	0.14768385	-0.0085811	0.60191607	0.90650187
Per2	0.0765916	0.08078073	0.08936233	-0.0085816	0.66528057	0.90650187
Stap2	0.06976222	0.07317144	0.08175531	-0.0085839	0.67966595	0.90650187
Rictor	0.11440791	0.12178793	0.13038936	-0.0086014	0.61534003	0.90650187
Arl14ep	0.23965143	0.24598418	0.25458671	-0.0086025	0.55970367	0.90650187
Agpat3	0.36212435	0.35216926	0.36077239	-0.0086031	0.54221355	0.90650187
Med13l	0.23316293	0.23996381	0.24856722	-0.0086034	0.56114445	0.90650187
Akap7	0.06469887	0.06746649	0.0760717	-0.0086052	0.69247766	0.90650187
Sbno1	0.83895182	0.66455371	0.6731592	-0.0086055	0.52266027	0.90650187
Sacs	0.02566486	0.02235743	0.03096394	-0.0086065	0.89170893	0.93134318
Unc13b	0.14537874	0.15413861	0.16275301	-0.0086144	0.59301316	0.90650187
Tex30	0.2514778	0.25683337	0.2654504	-0.008617	0.55737333	0.90650187
Zscan20	0.03785001	0.0366732	0.04529589	-0.0086227	0.80130218	0.90823524
Usp49	0.03431525	0.032537	0.04116228	-0.0086253	0.82421481	0.90929265
Arhgap26	0.07779915	0.08207248	0.0907004	-0.0086279	0.66381247	0.90650187
Gm12258	0.07749922	0.08171997	0.09036825	-0.0086483	0.66474441	0.90650187
Ror2	0.23089711	0.23780305	0.24645529	-0.0086522	0.56201141	0.90650187
Acadl	0.57836961	0.51058975	0.5192436	-0.0086538	0.52953125	0.90650187
Fmr1	0.42484447	0.40153329	0.41020102	-0.0086677	0.53742066	0.90650187
Tab2	0.45994802	0.4278878	0.43655769	-0.0086699	0.53517623	0.90650187
Gm4425	0.02310211	0.01924775	0.02791989	-0.0086721	0.91633604	0.94231902
Nfatc2	0.13992949	0.14846909	0.15714171	-0.0086726	0.59690811	0.90650187
Col4a3bp	0.3165282	0.31414491	0.32281842	-0.0086735	0.54753854	0.90650187
Ptgr2	0.36791079	0.35678663	0.3654644	-0.0086778	0.54203374	0.90650187
Enkd1	0.09071009	0.0961946	0.10487736	-0.0086828	0.64358201	0.90650187

Adat3	0.03229739	0.03010991	0.03879384	-0.0086839	0.84016608	0.91226452
Hgfac	0.02219114	0.01814976	0.02683533	-0.0086856	0.92490659	0.94721452
Bphl	0.46593025	0.43227341	0.44096104	-0.0086876	0.53489693	0.90650187
Adgb	0.02883256	0.02602272	0.03471215	-0.0086894	0.86711567	0.92056229
Nol10	0.093064	0.09874348	0.10743683	-0.0086934	0.64047192	0.90650187
Bivm	0.08975258	0.09513008	0.10383401	-0.0087039	0.6452974	0.90650187
Fgd6	0.12176152	0.12945228	0.13817887	-0.0087266	0.61055236	0.90650187
Ankrd6	0.04513627	0.04502506	0.0537557	-0.0087306	0.76486054	0.90650187
Mettl20	0.06326987	0.06572547	0.07446086	-0.0087354	0.69900365	0.90650187
Zbtb16	0.05706005	0.058688	0.06742579	-0.0087378	0.71773006	0.90650187
Rad9b	0.06224131	0.06455611	0.07329954	-0.0087434	0.70204383	0.90650187
Slx4	0.02815065	0.02516263	0.0339066	-0.008744	0.87419578	0.9235672
Slc9a7	0.04380887	0.04347178	0.05222057	-0.0087488	0.77180247	0.90650187
Acbd3	0.50477791	0.46019717	0.46894633	-0.0087492	0.53305115	0.90650187
Mzf1	0.04204296	0.04141927	0.05017413	-0.0087549	0.78104044	0.90650187
Garem	0.02996002	0.0272837	0.03604241	-0.0087587	0.86000286	0.91810545
Zfp747	0.05180274	0.0526607	0.06142492	-0.0087642	0.73705976	0.90650187
Pim3	0.35769459	0.34839275	0.35716213	-0.0087694	0.54345934	0.90650187
Skiv2l2	0.28865251	0.28994521	0.29871609	-0.0087709	0.55192706	0.90650187
Tmem2	0.10675385	0.11343927	0.12221088	-0.0087716	0.62516728	0.90650187
Tex9	0.18552498	0.19426568	0.20304024	-0.0087746	0.57617622	0.90650187
Helq	0.05447315	0.05569826	0.06447819	-0.0087799	0.72752807	0.90650187
Mbd3	0.93405785	0.7124946	0.72127532	-0.0087807	0.52158033	0.90650187
Zbtb2	0.08121857	0.08569699	0.0944781	-0.0087811	0.66026612	0.90650187
Kif13a	0.0857707	0.09068584	0.09948142	-0.0087956	0.65286063	0.90650187
Slx1b	0.16562787	0.1744867	0.18330114	-0.0088144	0.58463944	0.90650187
Wnt7b	0.0317086	0.02928366	0.03810155	-0.0088179	0.84822544	0.91440801
Gm11992	0.03270211	0.03045037	0.03926938	-0.008819	0.84095298	0.91251845
Cep290	0.24402043	0.24979281	0.25861645	-0.0088236	0.56027954	0.90650187
Kcnh2	0.21705461	0.22461272	0.23343873	-0.008826	0.56674077	0.90650187

B930041F14	0.02712545	0.02386627	0.03269417	-0.0088279	0.88500358	0.92807528
6430503K07I	0.06440636	0.06691195	0.07574221	-0.0088303	0.69786941	0.90650187
Tmem154	0.01959748	0.01490756	0.02374014	-0.0088326	0.95093614	0.96348599
Ccdc60	0.02552163	0.02196103	0.03079408	-0.008833	0.89887873	0.93440169
Dnajc22	0.02249352	0.01836226	0.02719548	-0.0088332	0.9256241	0.94746893
Rfx1	0.05709177	0.05862803	0.06746186	-0.0088338	0.7197614	0.90650187
Gtf2ird2	0.09523735	0.10095748	0.10979315	-0.0088357	0.63973948	0.90650187
Rassf7	0.2519898	0.25707565	0.26591754	-0.0088419	0.55875701	0.90650187
Cys1	0.05207935	0.05289873	0.06174169	-0.008843	0.73784701	0.90650187
Atp8b2	0.04536037	0.045169	0.05401461	-0.0088456	0.76670157	0.90650187
Hipk2	0.34360156	0.33672188	0.34556839	-0.0088465	0.54530462	0.90650187
Zfp653	0.03740073	0.03592194	0.04477156	-0.0088496	0.8102252	0.9092537
Ccp110	0.12672935	0.13454928	0.14340365	-0.0088544	0.60814641	0.90650187
Zfp329	0.37378396	0.36134161	0.37019815	-0.0088565	0.54234996	0.90650187
1700040L02F	0.02140018	0.0170278	0.02589257	-0.0088648	0.93599926	0.953802
Parp9	0.0818616	0.08631458	0.09518665	-0.0088721	0.66069535	0.90650187
Zscan18	0.03367305	0.03153522	0.04040919	-0.008874	0.8355341	0.91078214
Dctd	0.13169913	0.1397263	0.14860031	-0.008874	0.60467998	0.90650187
Cryz1	0.69182207	0.58163186	0.59050994	-0.0088781	0.52664461	0.90650187
Zfp608	0.13683372	0.14505892	0.15393835	-0.0088794	0.60119076	0.90650187
Zfp697	0.03745769	0.03595377	0.04483806	-0.0088843	0.8108032	0.9092537
Dnaja1	2.67776846	0.87141703	0.88030301	-0.008886	0.51789653	0.90650187
Gemin5	0.07545445	0.07921419	0.08810037	-0.0088862	0.6730688	0.90650187
Spag6l	0.02137678	0.01697708	0.02586465	-0.0088876	0.93669323	0.9542332
Zc2hc1c	0.09199719	0.09738887	0.10627781	-0.0088889	0.64498841	0.90650187
Ankrd26	0.21442701	0.22205605	0.23094543	-0.0088894	0.56793408	0.90650187
Gm2415	0.04408533	0.04364624	0.05254052	-0.0088943	0.77414603	0.90650187
Synrg	0.39966258	0.38182783	0.39072654	-0.0088987	0.54032305	0.90650187
Szt2	0.05013104	0.05060712	0.05950809	-0.008901	0.74696023	0.90650187
Slc8a1	0.03439461	0.03234845	0.0412553	-0.0089069	0.83141916	0.9098922

Nap1l3	0.08617527	0.09101759	0.09992466	-0.0089071	0.65404781	0.90650187
Rhpn2	0.12935847	0.13724206	0.14615648	-0.0089144	0.60686129	0.90650187
D17Wsu92e	0.18721533	0.19578222	0.20469702	-0.0089148	0.57675996	0.90650187
Btbd8	0.04061916	0.03960323	0.04852066	-0.0089174	0.79304757	0.9070651
Ropn1l	0.12624769	0.13397921	0.14289842	-0.0089192	0.60929379	0.90650187
Ptgfrn	0.13401653	0.14209367	0.15101341	-0.0089197	0.60356414	0.90650187
Ammecr1	0.16389328	0.17263944	0.18155928	-0.0089198	0.58644455	0.90650187
Adam22	0.09470196	0.10029017	0.10921329	-0.0089231	0.64178058	0.90650187
Pigw	0.06006348	0.06191169	0.07083549	-0.0089238	0.71227865	0.90650187
Nt5dc3	0.04887817	0.04914127	0.05806874	-0.0089275	0.75284378	0.90650187
1600014C10I	0.10372637	0.11002674	0.11895583	-0.0089291	0.63069604	0.90650187
Zfp959	0.05784147	0.0593812	0.0683142	-0.008933	0.71948862	0.90650187
Nufip2	0.32755849	0.32322821	0.33216378	-0.0089356	0.54759668	0.90650187
Ptpn2	0.31998485	0.31682084	0.32575903	-0.0089382	0.54854204	0.90650187
Gm26610	0.02779207	0.02454252	0.03348272	-0.0089402	0.88238998	0.9270309
Nptxr	0.08553042	0.09027453	0.09921805	-0.0089435	0.65568947	0.90650187
BC067074	0.03331482	0.03104356	0.03998883	-0.0089453	0.83999945	0.91225489
2210016L21F	0.65659641	0.56019505	0.56914134	-0.0089463	0.52785546	0.90650187
Ttf2	0.03092802	0.02823272	0.03718292	-0.0089502	0.85771054	0.91722806
Zfp68	0.38237564	0.36812162	0.37707216	-0.0089505	0.54202046	0.90650187
Fcho1	0.02368259	0.01965945	0.0286103	-0.0089509	0.91786104	0.94298498
Gmeb1	0.16776299	0.17648853	0.18544059	-0.0089521	0.58496421	0.90650187
Lpin1	0.06632339	0.06894687	0.07789931	-0.0089524	0.69529053	0.90650187
Arnt2	0.02346992	0.01939573	0.02835742	-0.0089617	0.91997876	0.94435798
Slc39a14	0.06044414	0.06230489	0.07126668	-0.0089618	0.71193125	0.90650187
Tha1	0.04057382	0.03950169	0.04846796	-0.0089663	0.79457811	0.90731056
Zfp654	0.07676085	0.08057954	0.08955	-0.0089705	0.67195878	0.90650187
Lrrc73	0.22399225	0.23101306	0.23998752	-0.0089745	0.56601825	0.90650187
Kdm8	0.03553068	0.03360996	0.04258581	-0.0089759	0.82562198	0.90947782
Gm5113	0.03158243	0.02897627	0.03795314	-0.0089769	0.85348493	0.91590713

Kdm5a	0.57377798	0.50720945	0.51620448	-0.008995	0.53087363	0.90650187
Zfp677	0.02940678	0.02638941	0.0353899	-0.0090005	0.87089317	0.92221854
Chst9	0.0327304	0.03029828	0.03930261	-0.0090043	0.84577989	0.9136218
Exosc9	0.28045678	0.28248829	0.29149455	-0.0090063	0.55462496	0.90650187
2310068J16F	0.0389916	0.03761646	0.04662675	-0.0090103	0.80485234	0.90882608
Accs	0.05903267	0.06065414	0.06966675	-0.0090126	0.71739379	0.90650187
Gm10138	0.1017976	0.10786214	0.11687609	-0.0090139	0.63414915	0.90650187
Tpbp	0.18278186	0.19132769	0.20034501	-0.0090173	0.57929571	0.90650187
Cep135	0.07619183	0.07989793	0.0889189	-0.009021	0.67401024	0.90650187
Rsph3b	0.03480955	0.03271262	0.0417415	-0.0090289	0.83187603	0.91013901
Gdf11	0.05777546	0.05920692	0.06823919	-0.0090323	0.7218777	0.90650187
Ate1	0.40176796	0.38333413	0.39237322	-0.0090391	0.5407857	0.90650187
Ankrd28	0.07143914	0.07458936	0.08362942	-0.0090401	0.68458365	0.90650187
Kdm5d	0.06398639	0.06622607	0.07526893	-0.0090429	0.70336316	0.90650187
Pole	0.02784443	0.02449342	0.03354463	-0.0090512	0.88484107	0.92806659
Ppp3cc	0.04804048	0.04805317	0.05710504	-0.0090519	0.7594969	0.90650187
Tmem161b	0.10988901	0.11651536	0.12556963	-0.0090543	0.62572533	0.90650187
Thoc5	0.2288599	0.23549443	0.24455204	-0.0090576	0.56539202	0.90650187
Ahcyl1	0.49424366	0.45240023	0.46146041	-0.0090602	0.53477701	0.90650187
Plxna2	0.07975776	0.08379967	0.09286627	-0.0090666	0.66786592	0.90650187
Sh3gl3	0.03672088	0.03490932	0.04397758	-0.0090683	0.82034802	0.9092537
Vps26b	0.30409512	0.30308089	0.31215499	-0.0090741	0.5514123	0.90650187
Lrrc48	0.03924682	0.03784603	0.04692401	-0.009078	0.80511994	0.90885402
Ccdc114	0.02112787	0.01648857	0.02556775	-0.0090792	0.94279159	0.95836398
Chek2	0.0622062	0.06417839	0.07325987	-0.0090815	0.70921367	0.90650187
Plcl2	0.05294864	0.05365039	0.06273642	-0.009086	0.74016405	0.90650187
Slc26a2	0.10910329	0.11564086	0.12472902	-0.0090882	0.62700117	0.90650187
Cars	0.2361051	0.24221246	0.25130191	-0.0090895	0.56387265	0.90650187
Gm13225	0.06556079	0.06795169	0.07704185	-0.0090902	0.70004737	0.90650187
B830012L14I	0.17878834	0.18731589	0.19640652	-0.0090906	0.58151236	0.90650187

Ribc1	0.0343379	0.03209591	0.04118883	-0.0090929	0.8368073	0.91092327
Zfp626	0.03940273	0.03800892	0.04710554	-0.0090966	0.80469117	0.90882608
Pot1a	0.11494185	0.12185666	0.13095718	-0.0091005	0.62131477	0.90650187
Rps6ka5	0.03235489	0.02975909	0.03886141	-0.0091023	0.85112562	0.91505486
Farp2	0.06817183	0.07086904	0.07997413	-0.0091051	0.6936188	0.90650187
Traf3	0.1262578	0.13380225	0.14290903	-0.0091068	0.61152387	0.90650187
Gm21781	0.03245825	0.02987519	0.03898287	-0.0091077	0.850514	0.91483663
Srl	0.05144679	0.05190865	0.06101713	-0.0091085	0.7465359	0.90650187
Cdk5rap1	0.09889704	0.10463014	0.11374618	-0.009116	0.63918729	0.90650187
Cyp4b1	0.05763233	0.05895746	0.06807651	-0.009119	0.72424597	0.90650187
Scrn3	0.15304949	0.16146983	0.17059271	-0.0091229	0.59395874	0.90650187
Elmod2	0.10757906	0.11397283	0.12309613	-0.0091233	0.62910628	0.90650187
Ap3b2	0.25387933	0.25851528	0.26763933	-0.009124	0.56023081	0.90650187
BC021891	0.01857189	0.01338451	0.02251325	-0.0091287	0.96427585	0.97291631
Elmo2	0.16375148	0.1722865	0.18141673	-0.0091302	0.5885185	0.90650187
Cmtr2	0.03895445	0.03745209	0.04658347	-0.0091314	0.80824201	0.9092537
Ccdc191	0.20935033	0.21697531	0.22610803	-0.0091327	0.57125185	0.90650187
Ube2m	0.19683122	0.20492869	0.21406342	-0.0091347	0.57523084	0.90650187
BC068281	0.04251763	0.04157906	0.05072468	-0.0091456	0.7885904	0.90650187
Coq10a	0.03691719	0.03506102	0.04420691	-0.0091459	0.82114663	0.9092537
1110017D15	0.10239162	0.10836442	0.1175171	-0.0091527	0.63541916	0.90650187
Dock7	0.40686032	0.38717754	0.39634214	-0.0091646	0.54093735	0.90650187
Setdb2	0.05195485	0.05243062	0.06159912	-0.0091685	0.74591526	0.90650187
Zfp420	0.05878671	0.06020452	0.06938764	-0.0091831	0.72185283	0.90650187
Tfpt	0.27919464	0.28119346	0.29037694	-0.0091835	0.55590585	0.90650187
Hdac10	0.09149542	0.09654413	0.10573212	-0.009188	0.65036928	0.90650187
Ocln	0.25273817	0.25741069	0.26659989	-0.0091892	0.56089221	0.90650187
Uhrf1bp1	0.03993241	0.03852995	0.04772202	-0.0091921	0.80408373	0.90882608
Ap5s1	0.1858233	0.19414071	0.20333287	-0.0091922	0.57964074	0.90650187
Setdb1	0.17272659	0.18120151	0.19039459	-0.0091931	0.58498109	0.90650187

Ugcg	0.16550591	0.17398557	0.18317879	-0.0091932	0.58827588	0.90650187
Smim6	0.06898854	0.07169325	0.08088927	-0.009196	0.693363	0.90650187
Zfp955b	0.05102006	0.05131884	0.060528	-0.0092092	0.75060208	0.90650187
Cited2	0.24786819	0.25293995	0.2621498	-0.0092098	0.56205562	0.90650187
BC051142	0.03252095	0.02984311	0.03905655	-0.0092134	0.85284595	0.91562204
Abhd4	0.17567418	0.18410785	0.19332314	-0.0092153	0.58391226	0.90650187
Fastkd2	0.12570726	0.13310875	0.14233121	-0.0092225	0.61334826	0.90650187
Inafm2	0.08117235	0.08518132	0.09442715	-0.0092458	0.6683246	0.90650187
Dpm1	0.69861304	0.58530649	0.59455422	-0.0092477	0.52756379	0.90650187
Slc7a5	0.26538624	0.26880073	0.27805069	-0.00925	0.55878633	0.90650187
1700016K19I	0.04216094	0.04106038	0.050311	-0.0092506	0.79315238	0.9070651
Ankrd9	0.03764667	0.03580724	0.04505863	-0.0092514	0.81931758	0.9092537
Serinc2	0.12252297	0.1297295	0.13898168	-0.0092522	0.61636569	0.90650187
Xkr6	0.06295551	0.06484622	0.07410608	-0.0092599	0.71072268	0.90650187
Fam57b	0.03130368	0.02836436	0.03762514	-0.0092608	0.86306856	0.91950555
Lncpint	0.0294132	0.0261361	0.03539747	-0.0092614	0.87761479	0.92482217
Arel1	0.04674208	0.04634533	0.05560921	-0.0092639	0.7705288	0.90650187
Pnmal1	0.30300973	0.3019518	0.31121761	-0.0092658	0.5526494	0.90650187
Gm4419	0.08955231	0.09434735	0.10361563	-0.0092683	0.65455709	0.90650187
Tmem123	0.35516002	0.3458199	0.35508925	-0.0092694	0.54619329	0.90650187
Lonrf1	0.05343313	0.05401957	0.06329033	-0.0092708	0.7425387	0.90650187
Pank1	0.08318273	0.08736663	0.09664053	-0.0092739	0.66516937	0.90650187
Zfp324	0.08289872	0.08705279	0.09632819	-0.0092754	0.66569833	0.90650187
Dynlt1b	0.08170548	0.08573468	0.09501467	-0.00928	0.66792768	0.90650187
Ptpr	0.03252854	0.02978541	0.03906547	-0.0092801	0.85452983	0.91621818
Acbd4	0.10264727	0.10851056	0.11779285	-0.0092823	0.63695131	0.90650187
Pou5f2	0.05609008	0.05703661	0.06632174	-0.0092851	0.73315752	0.90650187
Rom1	0.09311985	0.09821085	0.10749747	-0.0092866	0.64953018	0.90650187
Gm5294	0.03520304	0.03291214	0.04220231	-0.0092902	0.83611857	0.91079271
Guk1	1.00423733	0.74316978	0.7524628	-0.009293	0.52189247	0.90650187

Gm8994	0.03521238	0.03291306	0.04221324	-0.0093002	0.83631634	0.91079271
Pank2	0.2885497	0.28932429	0.29862588	-0.0093016	0.55506616	0.90650187
Ppcdc	0.11730639	0.12416377	0.13346755	-0.0093038	0.62167956	0.90650187
Zfp593	0.18076296	0.18904708	0.19835611	-0.009309	0.5826339	0.90650187
Scly	0.33850759	0.33202595	0.34133572	-0.0093098	0.54825423	0.90650187
Mrps30	0.37474795	0.36165978	0.37097233	-0.0093125	0.54442909	0.90650187
Igsf9	0.13537946	0.14311452	0.15242965	-0.0093151	0.60706421	0.90650187
Tmem132b	0.03003955	0.02681612	0.03613617	-0.00932	0.87422388	0.9235672
Fbxo10	0.0453572	0.04468972	0.05401094	-0.0093212	0.77852571	0.90650187
Cbx4	0.24632004	0.25140326	0.26072995	-0.0093267	0.56317573	0.90650187
Ddi2	0.25477233	0.25912504	0.26845186	-0.0093268	0.56137395	0.90650187
6720489N17	0.04167253	0.04041529	0.04974425	-0.009329	0.79778124	0.9075779
Tsyp15	0.08758596	0.09213858	0.10146843	-0.0093299	0.65864437	0.90650187
Nsun6	0.07856603	0.08221687	0.09154909	-0.0093322	0.67478717	0.90650187
Atp4a	0.03688589	0.03483653	0.04417035	-0.0093338	0.82624241	0.90947782
Phtf1	0.32504592	0.32070916	0.33004461	-0.0093354	0.55003342	0.90650187
Sh3bgrl2	0.03451405	0.03205317	0.04139528	-0.0093421	0.84213878	0.91251845
Gramd1c	0.05899347	0.06027624	0.06962227	-0.009346	0.72467083	0.90650187
Pkia	0.11047455	0.11684827	0.12619557	-0.0093473	0.62903023	0.90650187
Cbx7	0.02558362	0.0215187	0.0308676	-0.0093489	0.91092044	0.94004764
Arhgap33	0.05775291	0.05886121	0.06821356	-0.0093523	0.72890675	0.90650187
Nln	0.07239207	0.07533906	0.08469259	-0.0093535	0.68827857	0.90650187
Atp6ap2	0.78566295	0.63502423	0.64439034	-0.0093661	0.52576017	0.90650187
Zfp41	0.06479161	0.06680529	0.07617614	-0.0093709	0.70776905	0.90650187
Gm12524	0.02499145	0.02079373	0.03016507	-0.0093713	0.91637754	0.94231902
Ccdc84	0.08395258	0.08811394	0.09748661	-0.0093727	0.66546135	0.90650187
Gm17259	0.05833166	0.05948567	0.06887103	-0.0093854	0.72768376	0.90650187
Mtss1l	0.0561668	0.05702326	0.06640912	-0.0093859	0.73510113	0.90650187
Gm10031	0.06953869	0.07211265	0.08150519	-0.0093925	0.69578128	0.90650187
Leng1	0.27123201	0.27389243	0.28329172	-0.0093993	0.55863135	0.90650187

Tnr	0.05587733	0.05667851	0.06607939	-0.0094009	0.73645714	0.90650187
Nat2	0.03430457	0.03174716	0.04114977	-0.0094026	0.84513966	0.91333485
Setd1b	0.37511486	0.36186044	0.37126681	-0.0094064	0.54483935	0.90650187
1810009A15	0.03370345	0.03102422	0.04044485	-0.0094206	0.84978093	0.91470896
Urb1	0.0395756	0.03787612	0.04730679	-0.0094307	0.81225511	0.9092537
Ovca2	0.04701987	0.04647347	0.05592946	-0.009456	0.77385975	0.90650187
Cpne8	0.05593051	0.05668271	0.06613998	-0.0094573	0.73750478	0.90650187
Nedd1	0.18552672	0.19357765	0.20304195	-0.0094643	0.58208136	0.90650187
Piga	0.08636137	0.09065734	0.10012848	-0.0094711	0.66294319	0.90650187
Cnksr1	0.03279187	0.02990357	0.03937482	-0.0094713	0.85754401	0.91715518
AU022252	0.26802444	0.27094583	0.28041996	-0.0094741	0.55969544	0.90650187
Rusc2	0.03608133	0.03374096	0.04322999	-0.009489	0.83542195	0.91078214
Dars2	0.0567835	0.05762184	0.06711115	-0.0094893	0.73519306	0.90650187
Bbs10	0.05576933	0.05646481	0.06595634	-0.0094915	0.73883273	0.90650187
Degs2	0.04310668	0.04191228	0.05140741	-0.0094951	0.79421063	0.90731056
Mterf1a	0.09332615	0.09822554	0.10772139	-0.0094959	0.65242993	0.90650187
Fjx1	0.06986894	0.07237566	0.0818747	-0.009499	0.69699466	0.90650187
Zfp566	0.06481899	0.0667071	0.07620697	-0.0094999	0.71027356	0.90650187
Proscos	0.03088741	0.02763414	0.03713511	-0.009501	0.87231489	0.92263142
Sowaha	0.05003624	0.04989814	0.05939926	-0.0095011	0.76148584	0.90650187
Atg2b	0.10622485	0.11214171	0.12164295	-0.0095012	0.63579279	0.90650187
Chmp2b	0.60161507	0.52493502	0.5344378	-0.0095028	0.5315023	0.90650187
Lrrc28	0.06982647	0.07232365	0.08182719	-0.0095035	0.6971845	0.90650187
Ephx4	0.0421145	0.04075219	0.05025714	-0.0095049	0.7997646	0.90805731
Adat1	0.07902827	0.08255453	0.09206023	-0.0095057	0.67689437	0.90650187
Dclk2	0.02617365	0.02206049	0.03156703	-0.0095065	0.90968429	0.9393235
Tjp3	0.05691434	0.05774657	0.06726002	-0.0095135	0.73525984	0.90650187
Marveld1	0.0919106	0.09666603	0.10618367	-0.0095176	0.65486044	0.90650187
Kdsr	0.20927955	0.21652063	0.22604039	-0.0095198	0.57425905	0.90650187
Pde5a	0.07156422	0.07424834	0.08376905	-0.0095207	0.69331271	0.90650187

Met	0.08368453	0.08767006	0.09719212	-0.0095221	0.66841578	0.90650187
Zfp612	0.17495836	0.18309008	0.19261288	-0.0095228	0.58698306	0.90650187
Nol6	0.11763304	0.12428988	0.1338138	-0.0095239	0.6241532	0.90650187
Cdc42bpg	0.04323179	0.04202574	0.05155235	-0.0095266	0.79432639	0.90731056
Ppfia3	0.03015558	0.02674223	0.03627294	-0.0095307	0.87861325	0.92534436
Abhd17c	0.13234814	0.13973372	0.14927676	-0.009543	0.61187183	0.90650187
Gm14167	0.03735602	0.03517494	0.04471938	-0.0095444	0.82864497	0.9096066
Cox10	0.14755319	0.15542799	0.16498247	-0.0095545	0.60158599	0.90650187
2210408I21R	0.05616972	0.05684736	0.06641244	-0.0095651	0.73900483	0.90650187
Fry	0.10579016	0.11161014	0.121176	-0.0095659	0.63718494	0.90650187
Sars2	0.09126004	0.09590929	0.10547602	-0.0095667	0.65660644	0.90650187
Aldh6a1	0.26596155	0.2689983	0.27856793	-0.0095696	0.56069033	0.90650187
Cdhr1	0.09011618	0.09465182	0.10423036	-0.0095785	0.65856179	0.90650187
Nolc1	0.5862086	0.51482279	0.52440348	-0.0095807	0.53236645	0.90650187
Ndst2	0.07825539	0.0816234	0.09120541	-0.009582	0.67976941	0.90650187
Ndufs3	1.31377029	0.84466267	0.85424851	-0.0095858	0.5198933	0.90650187
Lrrc51	0.07482269	0.07781262	0.08739847	-0.0095858	0.68708095	0.90650187
Wfikkn2	0.08043088	0.08401865	0.09360935	-0.0095907	0.67561531	0.90650187
Gpr39	0.02603578	0.02179918	0.03140365	-0.0096045	0.9130284	0.9407546
Nprl3	0.09359645	0.09840852	0.10801471	-0.0096062	0.65371369	0.90650187
Usp18	0.14990686	0.15776898	0.16738938	-0.0096204	0.60083269	0.90650187
Stk36	0.04318958	0.04186993	0.05150345	-0.0096335	0.79716366	0.9075779
Atxn7l2	0.08606693	0.09016791	0.09980599	-0.0096381	0.66614902	0.90650187
Tmem219	0.42749108	0.40257782	0.41221961	-0.0096418	0.54140835	0.90650187
Mctp2	0.0386688	0.03659846	0.04625063	-0.0096522	0.82323546	0.9092537
2810021J22F	0.0869452	0.0911149	0.10076757	-0.0096527	0.66489183	0.90650187
Rsph1	0.18556852	0.19342913	0.20308296	-0.0096538	0.58368437	0.90650187
Ttc17	0.04949864	0.04912736	0.05878186	-0.0096545	0.76735355	0.90650187
Synpr	0.12518931	0.13212589	0.14178727	-0.0096614	0.61902598	0.90650187
Pinlyp	0.02781152	0.02383898	0.03350573	-0.0096668	0.90018457	0.93499868

Rxra	0.09686567	0.10188317	0.11155426	-0.0096711	0.65003225	0.90650187
A830010M2C	0.03680004	0.03439512	0.04407006	-0.0096749	0.83545989	0.91078214
Rttn	0.02511712	0.02063855	0.03031421	-0.0096757	0.92204237	0.94549985
Gm8394	0.02897832	0.02519966	0.03488423	-0.0096846	0.89143419	0.93119098
Spg11	0.05122291	0.05107951	0.06076763	-0.0096881	0.76076279	0.90650187
Bre	0.58040177	0.51088909	0.52058469	-0.0096956	0.53299351	0.90650187
Rgmb	0.09818012	0.10327745	0.11297325	-0.0096958	0.6485983	0.90650187
Eid2	0.03940236	0.03740774	0.04710511	-0.0096974	0.81995734	0.9092537
Frk	0.10992884	0.1159146	0.12561223	-0.0096976	0.63428108	0.90650187
Osbpl3	0.04565193	0.04465184	0.05435134	-0.0096995	0.78621568	0.90650187
Zfp334	0.10503913	0.11066671	0.12036868	-0.009702	0.63995008	0.90650187
Wdr47	0.19038007	0.19806946	0.20779061	-0.0097211	0.58237792	0.90650187
Ranbp17	0.0300491	0.02642007	0.03614742	-0.0097274	0.88421471	0.9278081
Rnaseh2a	0.26915063	0.27170114	0.28142935	-0.0097282	0.56106581	0.90650187
Fam83g	0.02649219	0.02221585	0.03194442	-0.0097286	0.91211499	0.94062208
Lekr1	0.11840102	0.12489323	0.13462736	-0.0097341	0.62606004	0.90650187
Lrp8	0.1913983	0.19904239	0.20878364	-0.0097413	0.58215882	0.90650187
Ino80dos	0.0202986	0.01482854	0.02457789	-0.0097493	0.96108727	0.97073008
Timm17a	1.1406603	0.79371951	0.80347051	-0.009751	0.52151345	0.90650187
Micu2	0.41396279	0.39209047	0.40184497	-0.0097545	0.54296802	0.90650187
Camk2n2	0.04028728	0.03837799	0.04813481	-0.0097568	0.81623622	0.9092537
Ric8	0.41184065	0.39044296	0.40020476	-0.0097618	0.54317559	0.90650187
Rpl21	4.39915163	0.61061904	0.62038305	-0.009764	0.52789043	0.90650187
Fhod3	0.05129446	0.05107632	0.06084255	-0.0097662	0.76226058	0.90650187
Pkmyt1	0.11329737	0.11943886	0.12920722	-0.0097684	0.63160152	0.90650187
Kif19a	0.06744723	0.06938624	0.07916138	-0.0097751	0.70848357	0.90650187
Zbtb43	0.09261666	0.09717431	0.10695101	-0.0097767	0.65777046	0.90650187
Gatb	0.07608686	0.07902532	0.08880243	-0.0097771	0.68774174	0.90650187
Zswim3	0.05456885	0.05480975	0.06458741	-0.0097777	0.74952772	0.90650187
Mpv17l	0.1143881	0.1205772	0.13036828	-0.0097911	0.63076471	0.90650187

Abl2	0.09422954	0.098908	0.10870131	-0.0097933	0.65561377	0.90650187
Fam161b	0.0796269	0.08292783	0.09272173	-0.0097939	0.68067071	0.90650187
Gtpbp4	0.61073297	0.53051576	0.54031131	-0.0097955	0.53211854	0.90650187
Nup43	0.21248127	0.21929255	0.22909455	-0.009802	0.57542731	0.90650187
Alyref	0.21033866	0.2172485	0.22705187	-0.0098034	0.57610813	0.90650187
Zfp691	0.11015476	0.116049	0.12585377	-0.0098048	0.6354562	0.90650187
Zfp346	0.06226307	0.0635176	0.07332413	-0.0098065	0.72393294	0.90650187
Slc25a42	0.03876325	0.03655404	0.0463607	-0.0098067	0.82648796	0.90947782
Trim7	0.0738886	0.07654469	0.0863596	-0.0098149	0.69330855	0.90650187
Jrk	0.05041051	0.05001282	0.05982883	-0.009816	0.76711622	0.90650187
Utp20	0.10705089	0.11271226	0.12252963	-0.0098174	0.63915192	0.90650187
Kcnk16	0.10911429	0.11492233	0.12474079	-0.0098185	0.63679977	0.90650187
Mark1	0.06436606	0.06587223	0.0756968	-0.0098246	0.71802647	0.90650187
Yod1	0.25799818	0.26155376	0.2713806	-0.0098268	0.5639446	0.90650187
Cmtr1	0.07996281	0.08325849	0.0930927	-0.0098342	0.68068989	0.90650187
Gzf1	0.1476504	0.1552478	0.16508202	-0.0098342	0.60443071	0.90650187
Gtpbp8	0.15041019	0.15805391	0.16790319	-0.0098493	0.6028695	0.90650187
Gm561	0.64985784	0.55512809	0.56497839	-0.0098503	0.53089043	0.90650187
Gm7467	0.04204667	0.04032385	0.05017844	-0.0098546	0.80868941	0.9092537
Zfp277	0.28054914	0.28171771	0.29157628	-0.0098586	0.55974063	0.90650187
Ythdf3	0.30744346	0.3051811	0.31504016	-0.0098591	0.5553237	0.90650187
Prpf19	1.13608693	0.79202939	0.80189153	-0.0098621	0.52180121	0.90650187
Gm7293	0.03307006	0.02983918	0.0397015	-0.0098623	0.86527727	0.92040222
Shisa2	0.06399638	0.06541741	0.07528019	-0.0098628	0.719864	0.90650187
Mtpap	0.23561036	0.24097573	0.25084267	-0.0098669	0.56940855	0.90650187
Stat6	0.06353792	0.0648935	0.07476324	-0.0098697	0.72135761	0.90650187
Ccdc71l	0.03728509	0.03476319	0.04463656	-0.0098734	0.83728107	0.9110601
Tsc22d2	0.25621352	0.25988187	0.26976155	-0.0098797	0.56466784	0.90650187
Zfp946	0.1184396	0.12478295	0.13466821	-0.0098853	0.62791184	0.90650187
Arv1	0.02549723	0.02087664	0.03076515	-0.0098885	0.92348394	0.94620379

Tm7sf2	0.06918239	0.07121241	0.08110635	-0.0098939	0.70619663	0.90650187
Eme2	0.03999912	0.03790508	0.04779963	-0.0098946	0.82127714	0.9092537
1110020A21	0.09037734	0.09461936	0.10451492	-0.0098956	0.66309092	0.90650187
1110006O24	0.05717162	0.05764749	0.06755268	-0.0099052	0.74275274	0.90650187
Gna13	0.30968696	0.307061	0.31696776	-0.0099068	0.55525382	0.90650187
Fam210a	0.14965463	0.15721217	0.16713178	-0.0099196	0.60405445	0.90650187
Ccpg1	0.37960994	0.36494404	0.37486576	-0.0099217	0.54683293	0.90650187
Ptpn23	0.12260784	0.12914435	0.13907113	-0.0099268	0.62450088	0.90650187
Gdnf	0.02546571	0.02080069	0.03072776	-0.0099271	0.92453034	0.94689298
Rps6ka3	0.23127243	0.23687444	0.24680547	-0.009931	0.57098546	0.90650187
Dlg3	0.04776101	0.04684474	0.05678329	-0.0099386	0.78174397	0.90650187
Tdp1	0.16359405	0.1713161	0.18125844	-0.0099423	0.5963262	0.90650187
AKO10878	0.38514601	0.36933146	0.37927627	-0.0099448	0.54639801	0.90650187
Aqp11	0.10523974	0.11063513	0.1205844	-0.0099493	0.64311641	0.90650187
Ago2	0.47029762	0.43420804	0.44415973	-0.0099517	0.53967171	0.90650187
Arap2	0.04509256	0.04375257	0.0537052	-0.0099526	0.79498987	0.90731056
Trmt6	0.36537291	0.35345598	0.36340986	-0.0099539	0.5484579	0.90650187
Ugt8a	0.05245511	0.05221432	0.06217181	-0.0099575	0.76177133	0.90650187
Sep-10	0.26788316	0.27033455	0.28029325	-0.0099587	0.56275209	0.90650187
Amacr	0.16381051	0.17151362	0.18147607	-0.0099624	0.59640373	0.90650187
Mapkapk5	0.03991344	0.03773686	0.04769995	-0.0099631	0.82344	0.9092537
Ttc32	0.21021846	0.2169738	0.22693714	-0.0099633	0.57737312	0.90650187
Retsat	0.07053992	0.07265319	0.08262497	-0.0099718	0.70420316	0.90650187
Mtg2	0.21879502	0.2251053	0.23508627	-0.009981	0.57485386	0.90650187
Dbndd1	0.03506214	0.03205189	0.04203732	-0.0099854	0.85451518	0.91621818
Setmar	0.02913519	0.02507808	0.03506941	-0.0099913	0.89734378	0.93409045
Nupl1	0.06727833	0.06897233	0.07897182	-0.0099995	0.71325097	0.90650187
Rtel1	0.0390043	0.03663653	0.04664154	-0.010005	0.8298621	0.90974008
Arih2	0.23476724	0.24005327	0.25005947	-0.0100062	0.57059615	0.90650187
Plekhm1	0.04714424	0.04606246	0.0560728	-0.0100103	0.78629964	0.90650187

Shank2	0.02670087	0.02218016	0.03219155	-0.0100114	0.91659987	0.9423899
Sav1	0.1044354	0.10970594	0.11971919	-0.0100132	0.6449895	0.90650187
Rbm12b1	0.04936046	0.04860902	0.05862309	-0.0100141	0.77619468	0.90650187
Scd3	0.02269996	0.01742533	0.02744127	-0.0100159	0.94766536	0.96158208
Ppip5k2	0.15391781	0.16145357	0.1714758	-0.0100222	0.60250333	0.90650187
Crhr2	0.07340546	0.07579553	0.08582178	-0.0100263	0.69824663	0.90650187
Gtf2h4	0.26008373	0.26324147	0.27326876	-0.0100273	0.56479055	0.90650187
Trub2	0.17823292	0.18582621	0.19585738	-0.0100312	0.59005613	0.90650187
Tecpr2	0.05436989	0.05432627	0.06436033	-0.0100341	0.75587327	0.90650187
Nampt	0.19754256	0.20471496	0.21475239	-0.0100374	0.5823018	0.90650187
Pagr1a	0.03342951	0.03008568	0.04012344	-0.0100378	0.86696663	0.92056229
Lipo1	0.12003692	0.12631819	0.13635796	-0.0100398	0.62828752	0.90650187
Lrch1	0.10917067	0.11475768	0.12480114	-0.0100435	0.63973982	0.90650187
Zfp148	0.63574012	0.5461279	0.55617627	-0.0100484	0.53200791	0.90650187
Letm2	0.06386355	0.06507524	0.07513045	-0.0100552	0.72407321	0.90650187
Cars2	0.15933569	0.16690646	0.17696637	-0.0100599	0.5997565	0.90650187
Hexdc	0.0647358	0.06605244	0.07611329	-0.0100608	0.72161019	0.90650187
Rassf6	0.04302483	0.04124252	0.05131257	-0.0100701	0.80851772	0.9092537
Dph7	0.08652034	0.09021768	0.10030255	-0.0100849	0.67255562	0.90650187
Cep164	0.38360699	0.36796614	0.37805257	-0.0100864	0.54720726	0.90650187
Zfp629	0.08864959	0.09254241	0.10263056	-0.0100881	0.66893853	0.90650187
Alms1	0.07824075	0.08109456	0.09118921	-0.0100946	0.68868583	0.90650187
Gper1	0.04818735	0.04717859	0.05727408	-0.0100955	0.78336564	0.90650187
A1cf	0.05430971	0.054196	0.06429162	-0.0100956	0.75743869	0.90650187
Ptpdc1	0.04636674	0.04508037	0.05517633	-0.010096	0.79201723	0.90681274
Caskin2	0.10489986	0.11010609	0.12021889	-0.0101128	0.6457844	0.90650187
Tmed4	1.05638094	0.76303233	0.77314804	-0.0101157	0.52319155	0.90650187
Naa60	0.15468251	0.16213204	0.1722528	-0.0101208	0.60303193	0.90650187
Gga3	0.11520368	0.12111329	0.13123549	-0.0101222	0.63415938	0.90650187
Sco2	0.18196681	0.18941981	0.19954261	-0.0101228	0.58921483	0.90650187

Rnf113a1	0.04945474	0.04860836	0.05873143	-0.0101231	0.77823732	0.90650187
Pdxk	0.06167073	0.06253037	0.07265466	-0.0101243	0.73220214	0.90650187
Plekhg5	0.07814416	0.08095348	0.09108232	-0.0101288	0.68947939	0.90650187
Polr3gl	0.41484985	0.39239964	0.40252958	-0.0101299	0.54453947	0.90650187
Mrpl13	0.61982746	0.53599174	0.54612231	-0.0101306	0.53286193	0.90650187
Gins1	0.09638445	0.10090336	0.11103418	-0.0101308	0.65748895	0.90650187
Gm10282	0.23791591	0.24284874	0.25298074	-0.010132	0.57065765	0.90650187
Zfp523	0.24809606	0.25221771	0.26235854	-0.0101408	0.568216	0.90650187
Map3k5	0.03972154	0.03733347	0.04747665	-0.0101432	0.82888914	0.90967755
Ppp2r5b	0.41066372	0.38914907	0.39929365	-0.0101446	0.54496348	0.90650187
Muc4	0.07911136	0.08200288	0.09215207	-0.0101492	0.68779788	0.90650187
Fnbp1	0.20981996	0.21640563	0.22655665	-0.010151	0.57894226	0.90650187
Fut11	0.2615125	0.26440237	0.2745599	-0.0101575	0.5653187	0.90650187
Psmb7	1.64981389	0.90340592	0.91357027	-0.0101644	0.51972431	0.90650187
Thap3	0.35472702	0.34456475	0.3547346	-0.0101699	0.55070816	0.90650187
Slc30a9	0.53760725	0.48163757	0.49180889	-0.0101713	0.53662776	0.90650187
Tmem170b	0.07350684	0.07575625	0.08593466	-0.0101784	0.7007482	0.90650187
Otulin	0.06304902	0.06402173	0.07421163	-0.0101899	0.72920819	0.90650187
Tmem63a	0.22047046	0.22647939	0.23666938	-0.01019	0.57589746	0.90650187
Ubn2	0.74037065	0.60871105	0.61891777	-0.0102067	0.52922171	0.90650187
Rab31	0.12691283	0.13338904	0.14359602	-0.010207	0.62399851	0.90650187
Dnajb5	0.0505848	0.04981215	0.06002881	-0.0102167	0.77536249	0.90650187
Map3k2	0.24400619	0.24838501	0.25860334	-0.0102183	0.56972008	0.90650187
2810402E24I	0.14098566	0.14800808	0.15823201	-0.0102239	0.61303812	0.90650187
Vps25	0.10463595	0.10969518	0.11993499	-0.0102398	0.64786292	0.90650187
Apoo	0.37476759	0.36074819	0.3709881	-0.0102399	0.54883019	0.90650187
Hist1h4h	0.0593046	0.05973129	0.06997522	-0.0102439	0.74241494	0.90650187
Tnfsf9	0.07233654	0.07438635	0.08463067	-0.0102443	0.70475604	0.90650187
Nefh	0.04126699	0.03901972	0.04927338	-0.0102537	0.82254793	0.9092537
Ears2	0.14857785	0.15576115	0.16603116	-0.01027	0.60833691	0.90650187

Mphosph9	0.10481843	0.10985735	0.12013131	-0.010274	0.64810172	0.90650187
Ccny	0.33937072	0.3317603	0.34205445	-0.0102941	0.55321596	0.90650187
Arhgef5	0.07065113	0.0724481	0.08274926	-0.0103012	0.71001122	0.90650187
Aarsd1	0.06452952	0.06557873	0.07588095	-0.0103022	0.726936	0.90650187
Rfc5	0.25373804	0.25720287	0.2675107	-0.0103078	0.56800602	0.90650187
Csdc2	0.04353489	0.04159494	0.05190339	-0.0103084	0.81136412	0.9092537
Gnpda1	0.14078847	0.14770471	0.15802854	-0.0103238	0.61425512	0.90650187
Frs3	0.07202989	0.07395707	0.08428866	-0.0103316	0.70709422	0.90650187
Spink10	0.05469102	0.05439367	0.06472682	-0.0103331	0.76105725	0.90650187
Nhlrc2	0.16504125	0.17236722	0.18271243	-0.0103452	0.59936785	0.90650187
Fam73a	0.13665045	0.14339727	0.15374835	-0.0103511	0.61764428	0.90650187
Rnmt	0.25638821	0.25956681	0.26992016	-0.0103534	0.5676996	0.90650187
Ndc1	0.10280912	0.107614	0.11796737	-0.0103534	0.65179365	0.90650187
Pklr	0.02995816	0.02568581	0.03604021	-0.0103544	0.89923933	0.93446384
9130230L23F	0.02498542	0.01979368	0.03015792	-0.0103642	0.93671915	0.9542332
Sep-05	0.03491978	0.03150613	0.0418706	-0.0103645	0.86443117	0.92024779
Pcdh15	0.04251037	0.04035052	0.05071626	-0.0103657	0.81822578	0.9092537
Tmem104	0.04935944	0.04825427	0.05862193	-0.0103677	0.78413456	0.90650187
Ube2e1	1.01938476	0.74825113	0.75862201	-0.0103709	0.52423058	0.90650187
Gtf2f1	0.45594532	0.42322475	0.43359748	-0.0103727	0.54234765	0.90650187
Xpo5	0.04155615	0.03923358	0.04960915	-0.0103756	0.82375804	0.9092537
Faap100	0.287173	0.28703422	0.297417	-0.0103828	0.56166634	0.90650187
Mastl	0.05626982	0.05614349	0.06652643	-0.0103829	0.75610749	0.90650187
Zfp867	0.08056297	0.08336854	0.0937551	-0.0103866	0.68881763	0.90650187
Mtbp	0.05060571	0.04966244	0.06005279	-0.0103904	0.77910678	0.90650187
Jpx	0.06836216	0.06979636	0.08018748	-0.0103911	0.71772129	0.90650187
Gm10269	0.09747767	0.10181846	0.11221523	-0.0103968	0.65978881	0.90650187
5730559C18I	0.0386758	0.03585851	0.04625879	-0.0104003	0.84122308	0.91251845
Dzank1	0.04169601	0.03936989	0.0497715	-0.0104016	0.82357493	0.9092537
Gm26641	0.04142944	0.03905835	0.04946203	-0.0104037	0.8251249	0.90934433

0610010F05I	0.22210964	0.22780912	0.23821546	-0.0104063	0.57699206	0.90650187
Fdx1	0.62699381	0.54025949	0.55066737	-0.0104079	0.53348137	0.90650187
Ptprt	0.03293292	0.02912456	0.03954047	-0.0104159	0.8792167	0.92549228
Gpr137b-ps	0.03969944	0.0370292	0.04745093	-0.0104217	0.83556582	0.91078214
Bckdhb	0.19876609	0.20551321	0.21593609	-0.0104229	0.58495343	0.90650187
Lrrn1	0.17600248	0.18322575	0.1936487	-0.0104229	0.59455584	0.90650187
Rab19	0.04407657	0.04210156	0.05253038	-0.0104288	0.81126921	0.9092537
Ppdpf	1.43747801	0.87154358	0.88197265	-0.0104291	0.52096195	0.90650187
Tma16	0.20097133	0.20763482	0.21806515	-0.0104303	0.58419574	0.90650187
Axin1	0.09780416	0.10212052	0.11256763	-0.0104471	0.66004467	0.90650187
Dhx35	0.02520832	0.01997492	0.03042243	-0.0104475	0.9365804	0.95421975
Fgf12	0.1220987	0.12806215	0.13853445	-0.0104723	0.63158684	0.90650187
Pias3	0.27165512	0.27319353	0.28366982	-0.0104763	0.56520601	0.90650187
Chst8	0.07847958	0.08097443	0.09145345	-0.010479	0.6947611	0.90650187
Gclc	0.07971687	0.08233648	0.09282111	-0.0104846	0.69222057	0.90650187
Fam65a	0.18050663	0.18760987	0.19810328	-0.0104934	0.59308226	0.90650187
Med9os	0.04609017	0.04436249	0.05485723	-0.0104947	0.8024733	0.90870058
Trmo	0.04861082	0.04726604	0.05776128	-0.0104952	0.79038789	0.90650187
Ydjc	0.10827658	0.11334794	0.12384374	-0.0104958	0.64682649	0.90650187
2210016F16I	0.48593449	0.44500296	0.45550105	-0.0104981	0.54080399	0.90650187
Chd9	0.35050955	0.34077386	0.35127219	-0.0104983	0.55284954	0.90650187
Ube2o	0.13621652	0.14279137	0.15329835	-0.010507	0.61970238	0.90650187
Nr6a1	0.05098323	0.049974	0.06048576	-0.0105118	0.78011977	0.90650187
Gm15860	0.04967929	0.04847716	0.05898938	-0.0105122	0.78588686	0.90650187
Coa4	0.15586229	0.16293679	0.17345023	-0.0105134	0.60621368	0.90650187
Kif1a	0.2245073	0.22995618	0.24047163	-0.0105155	0.57706845	0.90650187
Nceh1	0.03134449	0.02715257	0.03767316	-0.0105206	0.89278539	0.93179124
Smim8	0.3378387	0.33025758	0.34077831	-0.0105207	0.55458251	0.90650187
Morc2a	0.16368935	0.1708332	0.18135426	-0.0105211	0.60176052	0.90650187
Gm14966	0.05110319	0.05009176	0.06062331	-0.0105315	0.78003034	0.90650187

BC024978	0.07110658	0.07271348	0.08325809	-0.0105446	0.71329422	0.90650187
Usp31	0.045456	0.04357133	0.05412507	-0.0105537	0.80698512	0.9092537
Myo1d	0.03912743	0.036231	0.04678497	-0.010554	0.84203587	0.91251845
1810014B01	0.07322494	0.07506134	0.08562074	-0.0105594	0.70824537	0.90650187
B3galt4	0.10693934	0.11184855	0.12240994	-0.0105614	0.64934833	0.90650187
Tmem50b	0.15941339	0.16648327	0.17704487	-0.0105616	0.60457313	0.90650187
Ttc37	0.09649293	0.10058598	0.11115145	-0.0105655	0.6636976	0.90650187
Atad5	0.09595515	0.10000329	0.11056994	-0.0105666	0.66452538	0.90650187
Cadm4	0.05596453	0.05560223	0.06617874	-0.0105765	0.76129825	0.90650187
Zfp956	0.0544506	0.05386923	0.06445245	-0.0105832	0.76729791	0.90650187
Urah	0.04755107	0.04595513	0.05654152	-0.0105864	0.79739705	0.9075779
Urgcp	0.20800764	0.21423619	0.22482415	-0.010588	0.58291764	0.90650187
Prodh	0.04082917	0.03817638	0.04876474	-0.0105884	0.83279811	0.91035535
Tomm34	0.42169579	0.39720177	0.40779278	-0.010591	0.54595947	0.90650187
Ints10	0.23418955	0.23892972	0.24952242	-0.0105927	0.57484561	0.90650187
Pomk	0.0605484	0.06078916	0.07138475	-0.0105956	0.7453277	0.90650187
Sac3d1	0.41620583	0.39297706	0.40357497	-0.0105979	0.54646773	0.90650187
Ap4e1	0.05135121	0.05030694	0.06090759	-0.0106006	0.7804561	0.90650187
Cables2	0.0755766	0.07763184	0.08823602	-0.0106042	0.70342322	0.90650187
Uros	0.17326942	0.18032557	0.19093471	-0.0106091	0.59755237	0.90650187
Cep57	0.31912894	0.31442029	0.32503186	-0.0106116	0.55769955	0.90650187
B4galt2	0.12059771	0.12633578	0.13695046	-0.0106147	0.63479032	0.90650187
Smg8	0.06235556	0.06281378	0.07342862	-0.0106148	0.73977661	0.90650187
BC052040	0.05656769	0.05624884	0.06686554	-0.0106167	0.75986226	0.90650187
Plekha7	0.09141643	0.09502825	0.10564619	-0.0106179	0.67249179	0.90650187
Lhpp	0.0386685	0.03562002	0.04625029	-0.0106303	0.84655942	0.91408934
Endog	0.28480197	0.28469729	0.29533093	-0.0106336	0.56358616	0.90650187
Ptpru	0.05618935	0.05579493	0.0664348	-0.0106399	0.76176338	0.90650187
R3hdm4	0.9071369	0.69746608	0.70810598	-0.0106399	0.52662917	0.90650187
Cachd1	0.05460842	0.05398463	0.06463257	-0.0106479	0.76803605	0.90650187

B3glct	0.10099171	0.10535523	0.11600574	-0.0106505	0.65841888	0.90650187
Zfp369	0.04504509	0.04298013	0.05365034	-0.0106702	0.81169545	0.9092537
Zfp39	0.05878292	0.05870758	0.06938334	-0.0106758	0.7530215	0.90650187
Golim4	0.78379617	0.6326804	0.64335915	-0.0106787	0.52941128	0.90650187
Ankrd50	0.12206729	0.12781844	0.13850133	-0.0106829	0.63416275	0.90650187
Zfp709	0.05243025	0.05145356	0.06214336	-0.0106898	0.77778265	0.90650187
Scamp5	0.0915857	0.09513091	0.10583033	-0.0106994	0.67344634	0.90650187
Gtse1	0.02956269	0.02487217	0.03557383	-0.0107017	0.90944918	0.93923072
Zfyve9	0.15314193	0.15998479	0.17068677	-0.010702	0.60977689	0.90650187
Snapc4	0.08737299	0.09053056	0.10123556	-0.010705	0.68085601	0.90650187
C2cd3	0.17141002	0.17837822	0.18908324	-0.010705	0.59935952	0.90650187
Otub2	0.05770507	0.05744394	0.06815918	-0.0107152	0.75768957	0.90650187
Tmppe	0.08532356	0.08827096	0.09899125	-0.0107203	0.68489749	0.90650187
Ccdc136	0.10457508	0.10914837	0.1198695	-0.0107211	0.65454308	0.90650187
Secisbp2	0.2541415	0.257153	0.26787796	-0.010725	0.57063363	0.90650187
A930004D18	0.05194456	0.0508616	0.06158734	-0.0107257	0.78060103	0.90650187
Mtmr14	0.16395435	0.17089159	0.18162066	-0.0107291	0.60357828	0.90650187
Git2	0.44688144	0.4161214	0.42685255	-0.0107312	0.54449449	0.90650187
Gstm4	0.12797324	0.13396907	0.14470711	-0.010738	0.62925756	0.90650187
Adgra3	0.14128191	0.14779667	0.15853759	-0.0107409	0.61836509	0.90650187
Psme1	1.11584752	0.78407886	0.79482271	-0.0107439	0.52395904	0.90650187
Srd5a1	0.03999779	0.03705287	0.04779808	-0.0107452	0.84119745	0.91251845
Intu	0.04739262	0.04560824	0.05635899	-0.0107507	0.80178684	0.90839694
Gm27029	0.04442962	0.04218501	0.0529388	-0.0107538	0.81675406	0.9092537
Nop14	0.35044159	0.34045903	0.35121627	-0.0107572	0.55415356	0.90650187
Zc3h12c	0.03253259	0.02831286	0.03907023	-0.0107574	0.88952909	0.9302877
Sep-03	0.04285478	0.04035097	0.05111551	-0.0107645	0.8254177	0.90947782
Cenpv	0.06774526	0.06872976	0.07949576	-0.010766	0.72643364	0.90650187
Slc25a12	0.1631653	0.17004971	0.18082723	-0.0107775	0.60448123	0.90650187
Ecd	0.3689931	0.35555386	0.36633901	-0.0107852	0.552065	0.90650187

Nudt6	0.05098916	0.04970703	0.06049257	-0.0107855	0.78600334	0.90650187
Tspan17	0.20154379	0.20782931	0.218617	-0.0107877	0.58681873	0.90650187
Six5	0.07832133	0.08049043	0.09127837	-0.0107879	0.70035231	0.90650187
Wars	0.36305993	0.35074487	0.36153285	-0.010788	0.55276686	0.90650187
Mad2l1bp	0.14731083	0.15394267	0.16473425	-0.0107916	0.61456125	0.90650187
Lin9	0.09499998	0.09874016	0.10953611	-0.0107959	0.6693655	0.90650187
Tpm3-rs7	1.37173881	0.85734409	0.868144	-0.0107999	0.52205201	0.90650187
Esrra	0.13569324	0.14195446	0.15275539	-0.0108009	0.62336749	0.90650187
Lrig1	0.06318261	0.0635543	0.07436239	-0.0108081	0.74090572	0.90650187
Relt	0.09553699	0.0993073	0.1101175	-0.0108102	0.66873528	0.90650187
Pigl	0.04390259	0.0415106	0.05232905	-0.0108185	0.82097313	0.9092537
Itga4	0.04317641	0.04066945	0.05148819	-0.0108187	0.82487738	0.90934433
Orc6	0.61844565	0.53442128	0.54524266	-0.0108214	0.53515367	0.90650187
Asb8	0.26571792	0.26751838	0.27834893	-0.0108305	0.5686658	0.90650187
Slc17a5	0.1513599	0.15803436	0.16887189	-0.0108375	0.61229343	0.90650187
2410089E03I	0.19751125	0.20387723	0.21472206	-0.0108448	0.58882814	0.90650187
Cdkl2	0.12537364	0.13111174	0.14198089	-0.0108635	0.63312824	0.90650187
Med14	0.13777303	0.14404423	0.15491149	-0.0108673	0.6224287	0.90650187
Zbtb34	0.07468228	0.0763736	0.08724238	-0.0108688	0.71015588	0.90650187
Hirip3	0.25914541	0.26153803	0.27241977	-0.0108817	0.57047302	0.90650187
Rusc1	0.14970724	0.1563031	0.16718551	-0.0108824	0.61385187	0.90650187
Tanc1	0.15776868	0.1644984	0.17538178	-0.0108834	0.60867751	0.90650187
Fam110a	0.15940726	0.16615339	0.17703868	-0.0108853	0.60770391	0.90650187
Cdr2l	0.10839121	0.11307768	0.12396654	-0.0108889	0.65191255	0.90650187
Mpdz	0.20563782	0.21165969	0.22255353	-0.0108938	0.58613323	0.90650187
E030030I06R	0.13550738	0.14166074	0.15256245	-0.0109017	0.62463282	0.90650187
Ighmbp2	0.06562409	0.06620839	0.07711306	-0.0109047	0.73521408	0.90650187
Fars2	0.32467579	0.31882435	0.32973197	-0.0109076	0.55845839	0.90650187
Tdrp	0.03464711	0.03063521	0.04155119	-0.010916	0.87857891	0.92534436
Fsd1	0.05366343	0.05263685	0.06355351	-0.0109167	0.77745518	0.90650187

Gm26724	0.28087327	0.28093412	0.29186303	-0.0109289	0.56610534	0.90650187
Gm17484	0.0565151	0.05587431	0.06680569	-0.0109314	0.76651929	0.90650187
Gm26935	0.02741721	0.02210591	0.03303938	-0.0109335	0.92937479	0.95006228
Grk4	0.04531637	0.04302808	0.05396378	-0.0109357	0.81617839	0.9092537
Qk	0.36059048	0.34857887	0.35952409	-0.0109452	0.55382866	0.90650187
Srebf1	0.21996164	0.22524351	0.23618891	-0.0109454	0.58161119	0.90650187
Cndp2	0.26021294	0.26243763	0.2733856	-0.010948	0.57064962	0.90650187
Mtfmt	0.13808404	0.14428457	0.15523349	-0.0109489	0.62307135	0.90650187
E2f6	0.20927547	0.21508508	0.22603649	-0.0109514	0.58526781	0.90650187
Tti2	0.09693665	0.10066525	0.11163095	-0.0109657	0.66883533	0.90650187
Nepro	0.0352022	0.0312354	0.04220132	-0.0109659	0.87599186	0.92433377
Zfp958	0.07403178	0.07555022	0.08651892	-0.0109687	0.71348867	0.90650187
Stxbp5	0.07507639	0.07671125	0.0876804	-0.0109691	0.71094987	0.90650187
Sall2	0.07416755	0.07569716	0.08666998	-0.0109728	0.71322604	0.90650187
Rbl1	0.06488741	0.06530693	0.07628401	-0.0109771	0.73881991	0.90650187
Celsr3	0.0636649	0.06392905	0.07490645	-0.0109774	0.74263662	0.90650187
Dip2b	0.34584774	0.33644685	0.34742788	-0.010981	0.55587176	0.90650187
Zfp362	0.12827428	0.13403087	0.14502228	-0.0109914	0.63191803	0.90650187
Pex3	0.3159509	0.31133284	0.3223263	-0.0109935	0.56025843	0.90650187
Zfp90	0.1737979	0.18046632	0.19146024	-0.0109939	0.6007439	0.90650187
Slit1	0.07764861	0.0795363	0.09053371	-0.0109974	0.705409	0.90650187
Etl4	0.25937703	0.26162884	0.27262941	-0.0110006	0.57118027	0.90650187
Pak6	0.06035733	0.06015629	0.07116836	-0.0110121	0.75423594	0.90650187
Ppp1r12b	0.11995512	0.12525733	0.1362715	-0.0110142	0.64032106	0.90650187
Mdn1	0.13998311	0.14617948	0.15719709	-0.0110176	0.62232127	0.90650187
Nup98	0.04770579	0.04570038	0.0567197	-0.0110193	0.80611767	0.9092537
Zfand4	0.03713455	0.03344093	0.04446078	-0.0110198	0.86474045	0.92040222
Adck3	0.03772436	0.03412779	0.04514929	-0.0110215	0.86108949	0.91848494
Lyst	0.05147772	0.05002728	0.06105257	-0.0110253	0.78896002	0.90650187
Mipol1	0.082785	0.08517733	0.09620309	-0.0110258	0.69480179	0.90650187

Pwp2	0.04615754	0.04390159	0.05493496	-0.0110334	0.81403784	0.9092537
Acsl5	0.30691915	0.30355075	0.31458904	-0.0110383	0.56197847	0.90650187
Zfc3h1	0.24751388	0.25078494	0.26182513	-0.0110402	0.57434792	0.90650187
Fbxo11	0.29354815	0.29195542	0.30300054	-0.0110451	0.5643681	0.90650187
Sap30l	0.07261294	0.07389243	0.08493882	-0.0110464	0.71842064	0.90650187
Pcdhga8.1	0.03713405	0.03340983	0.0444602	-0.0110504	0.86540598	0.92040222
Map6	0.08492439	0.08750229	0.09855344	-0.0110511	0.69093471	0.90650187
Fam187b	0.11486395	0.11982204	0.13087435	-0.0110523	0.64632993	0.90650187
Ptrh1	0.08846692	0.0913772	0.10243108	-0.0110539	0.68429706	0.90650187
Lsm11	0.09055855	0.09365826	0.10471231	-0.011054	0.68057399	0.90650187
Hebp2	0.0729933	0.07430326	0.08536271	-0.0110594	0.71768068	0.90650187
Pms2	0.13092275	0.13673059	0.14779043	-0.0110598	0.6303141	0.90650187
Dclre1b	0.05734531	0.0566892	0.0677502	-0.011061	0.76601822	0.90650187
Pxmp4	0.29962275	0.29722356	0.30828571	-0.0110622	0.56337074	0.90650187
Rngtt	0.23186156	0.23628793	0.24735487	-0.0110669	0.57883008	0.90650187
Zfp850	0.03352119	0.02916378	0.04023102	-0.0110672	0.88932586	0.9302877
Kctd2	0.04652264	0.04428557	0.05535616	-0.0110706	0.81301727	0.9092537
Ndr4	0.07394238	0.07534762	0.08641945	-0.0110718	0.71551161	0.90650187
Cish	0.14591919	0.15223138	0.16330765	-0.0110763	0.61849154	0.90650187
Plscr3	0.64032756	0.54796982	0.55904904	-0.0110792	0.53510258	0.90650187
Leng8	0.31718743	0.31229861	0.32338003	-0.0110814	0.56054053	0.90650187
Pcna-ps2	0.03999894	0.03671728	0.04779943	-0.0110821	0.84865918	0.91440801
Lmln	0.05189437	0.05044269	0.06152987	-0.0110872	0.7884521	0.90650187
Traf2	0.20804734	0.21377467	0.22486213	-0.0110875	0.58675408	0.90650187
Mtmt9	0.08656593	0.08925946	0.10035246	-0.011093	0.6884351	0.90650187
Top1mt	0.06874335	0.06952099	0.08061464	-0.0110937	0.72965667	0.90650187
Hus1	0.08860211	0.09148346	0.10257872	-0.0110953	0.68468901	0.90650187
Zbtb5	0.14280976	0.14901402	0.16011196	-0.0110979	0.62101251	0.90650187
Rnf32	0.08005287	0.08208983	0.09319213	-0.0111023	0.70181245	0.90650187
Gnb2l1	3.03170184	0.82145965	0.83256697	-0.0111073	0.52364704	0.90650187

Al661453	0.07536587	0.07689412	0.08800198	-0.0111079	0.71264796	0.90650187
Ercc6	0.06439535	0.06462071	0.07572981	-0.0111091	0.74284567	0.90650187
Pepd	0.37220283	0.35781682	0.36892674	-0.0111099	0.55324957	0.90650187
Fads3	0.0828758	0.08518994	0.09630299	-0.011113	0.69602714	0.90650187
Gm20498	0.08720609	0.08993903	0.10105301	-0.011114	0.68755623	0.90650187
AW209491	0.19262171	0.19885423	0.20997532	-0.0111211	0.59307268	0.90650187
Jmjd4	0.0635015	0.06360068	0.07472217	-0.0111215	0.74591003	0.90650187
Galnt10	0.10037707	0.10421964	0.11534137	-0.0111217	0.66591649	0.90650187
Phka2	0.06429511	0.06448554	0.07561687	-0.0111313	0.74358066	0.90650187
Trappc10	0.07356348	0.0748651	0.08599771	-0.0111326	0.71752165	0.90650187
Gm26670	0.08013151	0.08214131	0.09327895	-0.0111376	0.70222533	0.90650187
Rab40b	0.10907508	0.11355068	0.12469883	-0.0111482	0.65447848	0.90650187
Phxr4	0.07308763	0.07430622	0.08546779	-0.0111616	0.71923461	0.90650187
Cdc25a	0.19474472	0.20087355	0.21203946	-0.0111659	0.59254782	0.90650187
Slc6a17	0.03048004	0.02548907	0.03665529	-0.0111662	0.91217256	0.94062208
Lipt1	0.06854231	0.06922304	0.08038939	-0.0111663	0.73155046	0.90650187
Gtpbp10	0.10317982	0.10718568	0.11836698	-0.0111813	0.66273729	0.90650187
4921524J17F	0.7707041	0.62489786	0.63608344	-0.0111856	0.53115614	0.90650187
0610030E20I	0.33248703	0.32511878	0.33630496	-0.0111862	0.55877726	0.90650187
Fam63a	0.2023583	0.20820769	0.21940158	-0.0111939	0.58971629	0.90650187
Fyco1	0.13187411	0.13758621	0.14878274	-0.0111965	0.63101792	0.90650187
Med12l	0.04203063	0.03895285	0.05015982	-0.011207	0.83970869	0.91213511
Zfp764	0.0552805	0.0541876	0.06539918	-0.0112116	0.77700684	0.90650187
Pyroxd1	0.25358456	0.25615583	0.26737096	-0.0112151	0.57396394	0.90650187
Txn1	1.37830301	0.85839063	0.8696126	-0.011222	0.5228742	0.90650187
Rad52	0.10343626	0.10741912	0.11864332	-0.0112242	0.66296712	0.90650187
Maml3	0.27770426	0.27782738	0.28905532	-0.0112279	0.56854981	0.90650187
Camsap1	0.21947399	0.22449817	0.23572817	-0.01123	0.58386341	0.90650187
Gigyf2	0.58420317	0.51185629	0.52308686	-0.0112306	0.53801982	0.90650187
Adora2a	0.05319192	0.05178297	0.0630146	-0.0112316	0.78592995	0.90650187

Chmp4c	0.07583597	0.07728887	0.08852397	-0.0112351	0.71369715	0.90650187
Dctn3	1.60494324	0.89732318	0.90855889	-0.0112357	0.52192148	0.90650187
Gm11713	0.08987073	0.09272673	0.10396282	-0.0112361	0.68455406	0.90650187
Mrpl28	0.99967606	0.73934956	0.75058834	-0.0112388	0.52653615	0.90650187
Tbc1d5	0.06216169	0.06196994	0.07320959	-0.0112397	0.75254513	0.90650187
Mpv17	0.5917028	0.51674966	0.52799862	-0.011249	0.53772871	0.90650187
Pphln1	0.21730411	0.22241608	0.2336751	-0.011259	0.58480443	0.90650187
Mfsd12	0.08259302	0.08472319	0.09599187	-0.0112687	0.69912263	0.90650187
Gm26619	0.03500104	0.03069697	0.04196577	-0.0112688	0.88371222	0.92771475
Wdr44	0.06928217	0.06994193	0.08121806	-0.0112761	0.73145451	0.90650187
Clip1	0.40835943	0.38623049	0.39750677	-0.0112763	0.55017793	0.90650187
2410002F23I	0.51847536	0.46729457	0.47857177	-0.0112772	0.54171588	0.90650187
Ptpn21	0.09416153	0.09734457	0.10862758	-0.011283	0.67787313	0.90650187
Lgalsl	0.18691253	0.19311125	0.20440046	-0.0112892	0.59697877	0.90650187
Kcnb2	0.22445689	0.22913208	0.24042425	-0.0112922	0.58269776	0.90650187
Vamp8	1.42014281	0.86725028	0.87854654	-0.0112963	0.52279158	0.90650187
Nfatc2ip	0.04330579	0.04034041	0.05163807	-0.0112977	0.83463245	0.91062493
Gm7334	0.08915708	0.09188336	0.10318449	-0.0113011	0.68683478	0.90650187
Vasn	0.12462509	0.12989208	0.14119436	-0.0113023	0.63902754	0.90650187
Qtrtd1	0.10147929	0.10522988	0.11653241	-0.0113025	0.66683183	0.90650187
Tmem201	0.1479637	0.15409785	0.16540275	-0.0113049	0.61937784	0.90650187
Cep126	0.1174871	0.1223529	0.13365912	-0.0113062	0.64656153	0.90650187
Dusp22	0.15073977	0.15693272	0.16823948	-0.0113068	0.61744336	0.90650187
Tcaim	0.05363669	0.05221609	0.06352295	-0.0113069	0.78561613	0.90650187
Pemt	0.05832646	0.05755373	0.06886513	-0.0113114	0.76736917	0.90650187
Golga7b	0.03867677	0.03494765	0.04625993	-0.0113123	0.8615073	0.91867924
Map1lc3b	1.61199144	0.89806996	0.9093845	-0.0113145	0.52205511	0.90650187
Utp3	0.72923988	0.60119228	0.61250713	-0.0113149	0.53272585	0.90650187
Usp21	0.12965638	0.13514938	0.14646788	-0.0113185	0.6344039	0.90650187
Ubxn11	0.05628216	0.05522124	0.06654048	-0.0113192	0.77524881	0.90650187

D3Ertd751e	0.12837887	0.13381178	0.14513175	-0.01132	0.63560966	0.90650187
Dmxl1	0.20676601	0.21230958	0.22363523	-0.0113256	0.58906503	0.90650187
Uvssa	0.27926115	0.27910413	0.29043588	-0.0113317	0.56885164	0.90650187
Lactb2	0.14933511	0.15547343	0.16680535	-0.0113319	0.6186787	0.90650187
Shb	0.04811037	0.04584959	0.05718548	-0.0113359	0.81090974	0.9092537
Slc12a6	0.12302187	0.12817127	0.13950731	-0.011336	0.64103981	0.90650187
Hist2h3c1	0.06379206	0.0637065	0.07504984	-0.0113433	0.74918486	0.90650187
C130013H08	0.04387349	0.04095057	0.05229536	-0.0113448	0.83258141	0.91029548
Rai14	0.09809575	0.10153103	0.11288224	-0.0113512	0.67257726	0.90650187
Alg8	0.11180333	0.1162613	0.12761447	-0.0113532	0.65376359	0.90650187
Mrpl12	0.83930472	0.66198697	0.6733456	-0.0113586	0.52988975	0.90650187
Mterf2	0.0403657	0.03686404	0.048226	-0.011362	0.85253705	0.91557373
Erp44	0.98580751	0.73345186	0.74481543	-0.0113636	0.52703798	0.90650187
Ttc7b	0.05712476	0.05612896	0.06749939	-0.0113704	0.77303301	0.90650187
Calm3	1.55671024	0.89108594	0.90245836	-0.0113724	0.52233777	0.90650187
Rhebl1	0.03927606	0.03557884	0.04695806	-0.0113792	0.85932493	0.91797966
Cdk2	0.15035752	0.15647004	0.16784943	-0.0113794	0.61844179	0.90650187
Ska2	0.23502316	0.23891602	0.25029727	-0.0113812	0.58009864	0.90650187
Frat2	0.0600413	0.05942213	0.07081035	-0.0113882	0.76268738	0.90650187
Ube2v2	1.01103075	0.74383999	0.75523917	-0.0113992	0.5267488	0.90650187
6330416G13	0.03583418	0.0315384	0.04294092	-0.0114025	0.8810963	0.92635898
Dcp1a	0.06140176	0.06094572	0.07235049	-0.0114048	0.75827698	0.90650187
Adcy9	0.04811488	0.04577652	0.05719068	-0.0114142	0.8125297	0.9092537
Rnaseh2b	0.28040898	0.2800337	0.29145225	-0.0114186	0.56913428	0.90650187
Satb1	0.12266351	0.12770249	0.13912978	-0.0114273	0.64249491	0.90650187
Taf6	0.40601704	0.38425882	0.39568625	-0.0114274	0.55107952	0.90650187
Xpo4	0.12465028	0.12979167	0.14122085	-0.0114292	0.64049737	0.90650187
Tmem192	0.21356944	0.21869369	0.23013015	-0.0114365	0.58742541	0.90650187
Lats2	0.14478975	0.15071028	0.16214818	-0.0114379	0.62308457	0.90650187
Tapbp1	0.2002528	0.20592621	0.21737201	-0.0114458	0.59254048	0.90650187

E130309D14	0.0329928	0.02816292	0.03961078	-0.0114479	0.90057225	0.93508188
Smarca4	0.85042999	0.66773725	0.67918812	-0.0114509	0.52987329	0.90650187
Zkscan8	0.09183447	0.09464962	0.10610089	-0.0114513	0.68431736	0.90650187
Whamm	0.05789557	0.05692078	0.06837567	-0.0114549	0.77179368	0.90650187
Zfp445	0.07100793	0.07169047	0.0831479	-0.0114574	0.72992485	0.90650187
Grtp1	0.10309722	0.10681998	0.11827796	-0.011458	0.66664242	0.90650187
Mok	0.04488354	0.04200552	0.05346363	-0.0114581	0.82964527	0.90974008
Map2k6	0.07292331	0.07382339	0.08528472	-0.0114613	0.72489333	0.90650187
Acap2	0.21346725	0.21855953	0.23003295	-0.0114734	0.58773987	0.90650187
Sdk1	0.11950842	0.12431338	0.13579922	-0.0114858	0.64654428	0.90650187
Nrtn	0.17558487	0.18174401	0.19323455	-0.0114905	0.60424665	0.90650187
Spdl1	0.03769453	0.03362227	0.04511448	-0.0114922	0.87127711	0.92225579
2410131K14I	0.11919879	0.12397132	0.13547173	-0.0115004	0.64705974	0.90650187
1700066M21	0.02771548	0.0218911	0.03339217	-0.0115011	0.93713675	0.95459464
Mcm8	0.03131837	0.02614008	0.03764243	-0.0115023	0.91283755	0.9407546
Kctd11	0.13354994	0.13902167	0.15052806	-0.0115064	0.63300508	0.90650187
Slc4a4	0.08891062	0.0914071	0.10291551	-0.0115084	0.69044958	0.90650187
Psm10	0.40578691	0.3839841	0.39550717	-0.0115231	0.55152784	0.90650187
Ldlrad4	0.04592165	0.04313376	0.05466272	-0.011529	0.82578172	0.90947782
Slc27a3	0.07649982	0.07772831	0.08926055	-0.0115322	0.71713824	0.90650187
Tctn3	0.05926856	0.05840118	0.06993434	-0.0115332	0.76826454	0.90650187
Fam103a1	0.98807203	0.73424852	0.74578183	-0.0115333	0.5274057	0.90650187
Mcc	0.11909925	0.12382788	0.13536641	-0.0115385	0.64763385	0.90650187
Arid3b	0.05745163	0.05632417	0.06787109	-0.0115469	0.77527477	0.90650187
Tprn	0.04438516	0.04133722	0.05288738	-0.0115502	0.83419675	0.91062493
Paqr7	0.05162175	0.04966731	0.0612176	-0.0115503	0.79920329	0.90777025
Rap1gds1	0.17318189	0.17929175	0.19084763	-0.0115559	0.60610549	0.90650187
Rpp38	0.16713482	0.17325341	0.18481168	-0.0115583	0.609506	0.90650187
Rmi2	0.06622982	0.06623315	0.07779415	-0.011561	0.74558546	0.90650187
Nup160	0.04910715	0.04676336	0.05833198	-0.0115686	0.81102219	0.9092537

Rab8b	0.12596991	0.13103518	0.14260692	-0.0115717	0.64085144	0.90650187
Hace1	0.13785316	0.1434225	0.15499447	-0.011572	0.63002186	0.90650187
Ang	0.19801335	0.20363117	0.21520806	-0.0115769	0.59450406	0.90650187
Adcy3	0.1083418	0.11233145	0.1239136	-0.0115822	0.66112264	0.90650187
Sephs1	0.33629257	0.32790422	0.33948842	-0.0115842	0.56028639	0.90650187
Krr1	0.26200967	0.26342441	0.27500871	-0.0115843	0.57427322	0.90650187
Zbtb38	0.26768647	0.2685271	0.28011681	-0.0115897	0.5729678	0.90650187
Zfp874a	0.10928846	0.11333238	0.12492719	-0.0115948	0.66005316	0.90650187
Apba1	0.03701934	0.03273088	0.04432623	-0.0115953	0.87757119	0.92482217
Trim39	0.11631864	0.12082078	0.13241971	-0.0115989	0.65151003	0.90650187
Pafah2	0.05752639	0.05635393	0.06795609	-0.0116022	0.77607351	0.90650187
Crebl2	0.03297948	0.027983	0.03959514	-0.0116121	0.90384414	0.93655998
Pdzd4	0.0500583	0.04780807	0.05942459	-0.0116165	0.80758791	0.9092537
Ubxn10	0.11406315	0.1183995	0.13002253	-0.011623	0.65446511	0.90650187
Sipa1l3	0.22498267	0.22928895	0.24091821	-0.0116293	0.5849572	0.90650187
Aebp2	0.25939648	0.26101275	0.27264701	-0.0116343	0.5752282	0.90650187
Nlgn2	0.13330173	0.13863177	0.15026977	-0.011638	0.63468989	0.90650187
Sorbs3	0.10531389	0.10901911	0.12066411	-0.011645	0.66605107	0.90650187
Vars2	0.08314078	0.08494025	0.09659441	-0.0116542	0.70414666	0.90650187
Bmyc	0.85621818	0.67055281	0.6822077	-0.0116549	0.53027019	0.90650187
Tmem67	0.10468255	0.10832457	0.11998513	-0.0116606	0.66714348	0.90650187
Lmx1b	0.04584267	0.04289773	0.05457156	-0.0116738	0.8291964	0.90974008
Etv3	0.10687	0.11065176	0.12233553	-0.0116838	0.66442921	0.90650187
Myo19	0.04815363	0.04554607	0.05723527	-0.0116892	0.81804237	0.9092537
Cep95	0.11269094	0.11687063	0.12856106	-0.0116904	0.65698626	0.90650187
Zwilch	0.05610498	0.05464337	0.06633871	-0.0116953	0.78340621	0.90650187
Stat5b	0.10404641	0.10760178	0.11930048	-0.0116987	0.66855971	0.90650187
Mal2	0.07162289	0.07212884	0.08383453	-0.0117057	0.73261237	0.90650187
Rpap1	0.11447725	0.11875244	0.13046311	-0.0117107	0.65507099	0.90650187
Thoc1	0.29193761	0.28987862	0.30159347	-0.0117148	0.5685491	0.90650187

Smcr8	0.04706228	0.04426137	0.05597835	-0.011717	0.82394938	0.90929265
Rhobtb2	0.05206981	0.05001158	0.06173076	-0.0117192	0.80065676	0.90806412
Rbks	0.04950387	0.04706758	0.05878787	-0.0117203	0.81227264	0.9092537
Fbxl12	0.15146377	0.15724773	0.16897779	-0.0117301	0.62118859	0.90650187
Strn4	0.7025323	0.58514615	0.59687781	-0.0117317	0.53481472	0.90650187
Rab11fip3	0.04824325	0.04560615	0.05733841	-0.0117323	0.81849235	0.9092537
Kcnu1	0.03682124	0.03236222	0.04409483	-0.0117326	0.88157013	0.92661786
Tm7sf3	0.43289326	0.40458805	0.41632396	-0.0117359	0.54986446	0.90650187
Dpf3	0.07489741	0.07573716	0.0874815	-0.0117443	0.72468621	0.90650187
Ppp1r9b	0.18578637	0.19154913	0.20329665	-0.0117475	0.60136806	0.90650187
Arl10	0.04915515	0.04663602	0.05838715	-0.0117511	0.81453497	0.9092537
Rps6ka6	0.05281785	0.05083053	0.06258683	-0.0117563	0.79815863	0.9075779
Pbx2	0.34199436	0.33247376	0.34423529	-0.0117615	0.56036458	0.90650187
Zfp92	0.03101145	0.0255107	0.03728115	-0.0117705	0.91977691	0.94431506
Smpd4	0.09586281	0.09869627	0.11047005	-0.0117738	0.68218156	0.90650187
Pomt2	0.14581479	0.15142155	0.16320053	-0.011779	0.62584217	0.90650187
Ldlrap1	0.07559371	0.07647338	0.08825502	-0.0117816	0.72356603	0.90650187
Tesk1	0.10960547	0.11347937	0.12526637	-0.011787	0.66214024	0.90650187
Atxn1l	0.11130441	0.11529044	0.12708197	-0.0117915	0.66001108	0.90650187
Galc	0.0368649	0.03235217	0.04414584	-0.0117937	0.88251533	0.92703446
Supv3l1	0.06038166	0.05940126	0.07119592	-0.0117947	0.76928092	0.90650187
Dusp16	0.12515031	0.12994792	0.1417463	-0.0117984	0.64432145	0.90650187
Fam173a	0.79727556	0.63896429	0.65076776	-0.0118035	0.53213324	0.90650187
Zmynd19	0.06087712	0.05995198	0.07175688	-0.0118049	0.76771957	0.90650187
Ttll3	0.09481935	0.09753406	0.10934047	-0.0118064	0.68439678	0.90650187
Fbxo21	0.58393315	0.5110989	0.52290941	-0.0118105	0.53999022	0.90650187
Tapt1	0.07727738	0.07830956	0.09012249	-0.0118129	0.71995709	0.90650187
Nsmaf	0.15623468	0.1620133	0.17382786	-0.0118146	0.61873291	0.90650187
Athl1	0.15141228	0.1571107	0.1689253	-0.0118146	0.62207109	0.90650187
Atp6v1d	0.75114142	0.61324447	0.62506235	-0.0118179	0.5334924	0.90650187

Rasal2	0.07599366	0.07687856	0.088699	-0.0118204	0.72322277	0.90650187
C030014I23R	0.05247011	0.05036379	0.06218897	-0.0118252	0.80103625	0.90815573
Bloc1s5	0.14666376	0.15224576	0.16407121	-0.0118255	0.62567413	0.90650187
Nudt10	0.04211456	0.0384276	0.0502572	-0.0118296	0.85231449	0.91557373
Prdm11	0.12011293	0.12460636	0.13643829	-0.0118319	0.650075	0.90650187
Hook3	0.54263822	0.48341717	0.49525162	-0.0118344	0.54230063	0.90650187
Ptpn12	0.14590714	0.15145424	0.16329529	-0.011841	0.62641176	0.90650187
Edc4	0.19554492	0.20095962	0.21281622	-0.0118566	0.59780807	0.90650187
Spsb4	0.08873915	0.09087062	0.10272834	-0.0118577	0.6960758	0.90650187
Dnajc16	0.06053616	0.05949105	0.07137088	-0.0118798	0.77034409	0.90650187
Tbc1d9	0.04298272	0.03938315	0.05126378	-0.0118806	0.84856326	0.91440801
Fhit	0.0578869	0.05648037	0.06836582	-0.0118855	0.78020096	0.90650187
Atp6v1h	0.55295697	0.49037263	0.50226072	-0.0118881	0.54190087	0.90650187
Trim45	0.10515041	0.10859573	0.12048834	-0.0118926	0.66959551	0.90650187
Slc35b4	0.14484468	0.15031152	0.16220461	-0.0118931	0.62777215	0.90650187
Eps15l1	0.15672099	0.16242694	0.17432077	-0.0118938	0.61917767	0.90650187
Zfp715	0.09745568	0.10029367	0.11219149	-0.0118978	0.68134136	0.90650187
Pitrm1	0.15462392	0.16029148	0.17219329	-0.0119018	0.62068315	0.90650187
Cenpj	0.04828822	0.04548701	0.05739015	-0.0119031	0.82174912	0.9092537
Trim68	0.04317313	0.03958042	0.05148439	-0.011904	0.84799948	0.91440801
Mcoln1	0.11806918	0.12237193	0.13427591	-0.011904	0.65325272	0.90650187
Flrt1	0.13930862	0.14459538	0.15650016	-0.0119048	0.63238324	0.90650187
Pex16	0.2131691	0.21784183	0.22974929	-0.0119075	0.59111232	0.90650187
Tmem177	0.06260284	0.0617937	0.07370791	-0.0119142	0.76380373	0.90650187
Zfp182	0.05460786	0.05271586	0.06463193	-0.0119161	0.79378595	0.90731056
Zswim4	0.06124599	0.06025772	0.07217428	-0.0119166	0.76852753	0.90650187
Acad12	0.04926871	0.04659758	0.05851767	-0.0119201	0.81741892	0.9092537
Slc14a2	0.03576688	0.03092381	0.04286219	-0.0119384	0.89218495	0.93152712
Gcn1l1	0.32966372	0.32199496	0.33393523	-0.0119403	0.56314908	0.90650187
Pacsin1	0.08480453	0.08648131	0.09842193	-0.0119406	0.70517531	0.90650187

Gnptg	0.49459352	0.44976847	0.46171021	-0.0119417	0.54577023	0.90650187
Lrrc8b	0.08793979	0.08990752	0.10185521	-0.0119477	0.69898133	0.90650187
Map3k14	0.07361849	0.07411109	0.08605896	-0.0119479	0.7314484	0.90650187
Trpt1	0.08653295	0.08836445	0.10031636	-0.0119519	0.70182584	0.90650187
Snhg20	0.36362262	0.35003389	0.36198988	-0.011956	0.55836761	0.90650187
Tnrc6c	0.32322092	0.31654531	0.32850194	-0.0119566	0.56427178	0.90650187
Pex13	0.48227915	0.44089298	0.45286471	-0.0119717	0.54677685	0.90650187
Ndufaf4	0.42030829	0.39475527	0.40672924	-0.011974	0.55206375	0.90650187
Chchd1	1.12899045	0.78744888	0.79942677	-0.0119779	0.52655348	0.90650187
Gna12	0.10838624	0.11197914	0.12396122	-0.0119821	0.66629734	0.90650187
Fam199x	0.0816548	0.08297127	0.09495884	-0.0119876	0.71267341	0.90650187
Tmem167b	0.38675429	0.36856005	0.38055306	-0.011993	0.55571024	0.90650187
Ccdc39	0.04566899	0.04237692	0.05437104	-0.0119941	0.83662705	0.91092327
Ssu72	1.1757561	0.80285249	0.81484893	-0.0119964	0.52609193	0.90650187
Rhov	0.05615688	0.05440015	0.06639782	-0.0119977	0.78909742	0.90650187
Hist2h3c2	0.0416053	0.03766228	0.0496662	-0.0120039	0.85869338	0.9176516
Nbas	0.10774359	0.11126738	0.12327253	-0.0120051	0.66747245	0.90650187
Bmpr1a	0.33837687	0.3292177	0.34122682	-0.0120091	0.56216417	0.90650187
Gm19412	0.14514783	0.15050516	0.16251594	-0.0120108	0.62875346	0.90650187
Magee1	0.1262354	0.13087059	0.14288552	-0.0120149	0.64573139	0.90650187
Fam149a	0.1052449	0.10856713	0.12058994	-0.0120228	0.67119914	0.90650187
Smad1	0.33724089	0.3282478	0.34027982	-0.012032	0.5624536	0.90650187
Ptp4a1	1.09470477	0.77532895	0.78736351	-0.0120346	0.52708705	0.90650187
Agfg2	0.15669077	0.16225422	0.17429015	-0.0120359	0.62057817	0.90650187
Wnk1	0.90752114	0.69625669	0.70829696	-0.0120403	0.53011957	0.90650187
Dmd	0.17924886	0.1848081	0.1968616	-0.0120535	0.60726467	0.90650187
Pigo	0.09309697	0.09541848	0.10747263	-0.0120542	0.69097646	0.90650187
Mrpl9	0.5349091	0.47789498	0.48995604	-0.0120611	0.54357158	0.90650187
Lysmd3	0.26581662	0.26637004	0.27843765	-0.0120676	0.57639306	0.90650187
Hist1h2be	0.04778459	0.04473624	0.05681044	-0.0120742	0.82763146	0.90947782

Dgkq	0.05086462	0.04827535	0.06034975	-0.0120744	0.81311926	0.9092537
Sik2	0.12077346	0.12506044	0.13713607	-0.0120756	0.65227187	0.90650187
Pex5l	0.0817747	0.08301322	0.09509092	-0.0120777	0.71384261	0.90650187
Vat1l	0.23244029	0.23581571	0.24789422	-0.0120785	0.58574378	0.90650187
Polr3b	0.08521966	0.08679834	0.09887731	-0.012079	0.70646281	0.90650187
Cblc	0.04072631	0.03656449	0.04864521	-0.0120807	0.86521151	0.92040222
Rgs9	0.04717502	0.04402674	0.05610827	-0.0120815	0.83077994	0.9098597
Tmem116	0.0478949	0.04485376	0.05693745	-0.0120837	0.82728208	0.90947782
Prim2	0.12417886	0.12863914	0.14072512	-0.012086	0.64869682	0.90650187
Rab21	0.09556329	0.09804957	0.11014596	-0.0120964	0.68730407	0.90650187
Bbs1	0.03981765	0.03548961	0.0475885	-0.0120989	0.87081458	0.92219956
Mar-09	0.07757037	0.07834701	0.09044706	-0.0121001	0.72398982	0.90650187
Mina	0.1612703	0.16681726	0.17891883	-0.0121016	0.61817399	0.90650187
Tm9sf1	0.11648369	0.1204933	0.13259488	-0.0121016	0.6575327	0.90650187
Galr1	0.05806418	0.05645681	0.06856723	-0.0121104	0.78382826	0.90650187
Fto	0.33243145	0.32414509	0.33625838	-0.0121133	0.56361757	0.90650187
Syt17	0.07269984	0.07292058	0.08503569	-0.0121151	0.73675381	0.90650187
Pls1	0.0612903	0.06010761	0.0722244	-0.0121168	0.77211236	0.90650187
Cyp4f13	0.16472567	0.17027197	0.18239558	-0.0121236	0.61619169	0.90650187
Ctif	0.0764181	0.07704332	0.08916991	-0.0121266	0.72726977	0.90650187
Tbc1d7	0.28626287	0.28448397	0.29661686	-0.0121329	0.57214749	0.90650187
Bcl2l11	0.17427974	0.17977195	0.19193901	-0.0121671	0.61095469	0.90650187
Fkbp15	0.18437691	0.18974512	0.20191321	-0.0121681	0.60561565	0.90650187
Sarm1	0.04976377	0.0469181	0.0590864	-0.0121683	0.82004375	0.9092537
C2cd2l	0.13475351	0.13960983	0.15177948	-0.0121696	0.63924739	0.90650187
Copb2	1.09340108	0.77472796	0.78689811	-0.0121701	0.52740793	0.90650187
Gtpbp3	0.14891512	0.15418979	0.16637606	-0.0121863	0.62764409	0.90650187
Card10	0.03699018	0.03207527	0.04429217	-0.0122169	0.8899404	0.9303978
Simc1	0.08138095	0.08243328	0.09465708	-0.0122238	0.71704838	0.90650187
Kalrn	0.1275709	0.13205814	0.1442857	-0.0122276	0.64681851	0.90650187

Nxt2	0.11044879	0.11393651	0.12616805	-0.0122315	0.66676054	0.90650187
Taf8	0.13901646	0.14396651	0.15619812	-0.0122316	0.63612797	0.90650187
4931406C07I	0.2594413	0.26045314	0.27268758	-0.0122344	0.5790474	0.90650187
Brca2	0.0829503	0.08412977	0.09638493	-0.0122552	0.71404834	0.90650187
Fuz	0.2303472	0.23368547	0.24594196	-0.0122565	0.58766645	0.90650187
Pard6b	0.05247769	0.04993746	0.06219765	-0.0122602	0.8095672	0.9092537
Wdr91	0.10821167	0.11151341	0.12377418	-0.0122608	0.6701658	0.90650187
Cdk19	0.08968397	0.09149547	0.1037592	-0.0122637	0.70036293	0.90650187
Plod3	0.375279	0.35913166	0.37139851	-0.0122668	0.55836808	0.90650187
Tmem241	0.03643307	0.03136676	0.04364122	-0.0122745	0.89441676	0.93244834
Gm26782	0.08081002	0.08175272	0.09402762	-0.0122749	0.71916225	0.90650187
Ripk1	0.20401764	0.20872242	0.22099779	-0.0122754	0.59751961	0.90650187
Gnb2	2.90227272	0.83825201	0.85052804	-0.012276	0.52558071	0.90650187
Spata5	0.10782065	0.11107834	0.12335513	-0.0122768	0.67091611	0.90650187
Zfand2a	0.07102456	0.07088786	0.08316647	-0.0122786	0.74419881	0.90650187
Aasdh	0.06494655	0.06407182	0.07635059	-0.0122788	0.76267896	0.90650187
Zfr2	0.10147835	0.10424761	0.1165314	-0.0122838	0.68032925	0.90650187
Klf5	0.07773996	0.07835033	0.09063486	-0.0122845	0.72659657	0.90650187
Bptf	0.8651246	0.67452476	0.68682615	-0.0123014	0.53173143	0.90650187
6330418K02I	0.10868912	0.11197709	0.12428561	-0.0123085	0.67012806	0.90650187
Micall1	0.0657899	0.06498714	0.07729955	-0.0123124	0.76055977	0.90650187
Svop	0.04969872	0.04669875	0.05901169	-0.0123129	0.82318896	0.9092537
Nxpe3	0.04794455	0.04467944	0.0569946	-0.0123152	0.83162038	0.9100469
Nrde2	0.11617942	0.11995664	0.13227193	-0.0123153	0.66053061	0.90650187
Ankrd42	0.03849178	0.03372832	0.04604431	-0.012316	0.88280314	0.9272727
Gla	0.0467535	0.04329386	0.05562239	-0.0123285	0.83777511	0.91127152
Lias	0.36539599	0.35109792	0.36342856	-0.0123306	0.55994647	0.90650187
Armc6	0.1832449	0.18846885	0.20080054	-0.0123317	0.60757969	0.90650187
Alg12	0.09774226	0.10015402	0.11250083	-0.0123468	0.68718946	0.90650187
2900060B14I	0.07760301	0.07813144	0.09048321	-0.0123518	0.72802968	0.90650187

Nop2	0.20042371	0.20518049	0.21753692	-0.0123564	0.59967937	0.90650187
Mad1l1	0.11495797	0.11861775	0.13097432	-0.0123566	0.66254313	0.90650187
Uty	0.07159562	0.07143757	0.0838041	-0.0123665	0.74409256	0.90650187
1600002H07	0.06482176	0.06384166	0.07621009	-0.0123684	0.76469742	0.90650187
Sass6	0.06795216	0.06735532	0.07972781	-0.0123725	0.75486767	0.90650187
Myl6b	0.06473625	0.06374117	0.07611379	-0.0123726	0.7650533	0.90650187
Ssfa2	0.11043734	0.11377547	0.12615581	-0.0123803	0.66867987	0.90650187
Dbt	0.14683709	0.15186626	0.16424886	-0.0123826	0.63124437	0.90650187
Csnk1g2	0.20911465	0.21349988	0.22588281	-0.0123829	0.59627179	0.90650187
Fbxo45	0.06206572	0.06070481	0.07310114	-0.0123963	0.77453808	0.90650187
Inha	0.08818196	0.08971431	0.10211982	-0.0124055	0.7054193	0.90650187
Ago3	0.16546648	0.17073367	0.18313922	-0.0124055	0.61834538	0.90650187
Abhd6	0.0954082	0.09756776	0.10997811	-0.0124103	0.69204631	0.90650187
Babam1	0.62581691	0.53750383	0.5499229	-0.0124191	0.53998519	0.90650187
Cenpo	0.0460539	0.04239533	0.05481536	-0.01242	0.84310052	0.91275344
Uvrag	0.2212251	0.22496104	0.23738151	-0.0124205	0.5919666	0.90650187
Gpr179	0.04528592	0.04150235	0.0539286	-0.0124263	0.84716703	0.9143112
3110070M22	0.03744712	0.03239681	0.04482572	-0.0124289	0.89114515	0.93109327
Eif2ak4	0.0907483	0.09248309	0.10491896	-0.0124359	0.70087908	0.90650187
Zfp628	0.08476096	0.08593617	0.09837412	-0.0124379	0.71296957	0.90650187
Casc4	0.4748538	0.4350435	0.44748149	-0.012438	0.54917133	0.90650187
Hcn3	0.04401785	0.04002176	0.05246244	-0.0124407	0.85410632	0.91608365
Dcp1b	0.13906489	0.14380255	0.15624819	-0.0124456	0.63837027	0.90650187
Fdft1	0.49287954	0.44803964	0.46048533	-0.0124457	0.54781899	0.90650187
Insrr	0.15798379	0.16314852	0.17559946	-0.0124509	0.62370169	0.90650187
Vps18	0.13219467	0.13666384	0.14911685	-0.012453	0.64477818	0.90650187
Cacna1d	0.08588809	0.08714848	0.09961006	-0.0124616	0.71094971	0.90650187
Tnik	0.24305092	0.24525575	0.25772384	-0.0124681	0.58514294	0.90650187
Sh2b3	0.16708747	0.17229604	0.18476425	-0.0124682	0.61791036	0.90650187
Trim11	0.19379374	0.19864673	0.21111545	-0.0124687	0.6035561	0.90650187

Smim14	1.26346844	0.82852566	0.84099497	-0.0124693	0.526277	0.90650187
Eif3b	0.90713303	0.69563399	0.70810406	-0.0124701	0.53120105	0.90650187
Slc30a1	0.06800854	0.06731913	0.07979104	-0.0124719	0.75643482	0.90650187
Ddx46	0.71154234	0.5897188	0.60219073	-0.0124719	0.53667982	0.90650187
Lmbrd2	0.0951797	0.09725697	0.10973073	-0.0124738	0.69334661	0.90650187
Unc5a	0.04943476	0.04623288	0.05870846	-0.0124756	0.82759242	0.90947782
Nup210	0.09119799	0.09293266	0.10540849	-0.0124758	0.70061445	0.90650187
Zscan26	0.2500748	0.25168979	0.26416901	-0.0124792	0.58316943	0.90650187
Mllt6	0.12043014	0.12428962	0.13677346	-0.0124838	0.65754329	0.90650187
Kdm4c	0.13425447	0.13876889	0.15126082	-0.0124919	0.64324347	0.90650187
Ap3m2	0.06175853	0.06025874	0.07275392	-0.0124952	0.7774217	0.90650187
Aftph	0.21124856	0.21542275	0.22791991	-0.0124972	0.59629115	0.90650187
Fam204a	0.75419828	0.61429408	0.62679638	-0.0125023	0.53532937	0.90650187
Slc7a6	0.05781741	0.05578396	0.06828685	-0.0125029	0.79216678	0.90681274
9330020H09	0.11064996	0.11387707	0.12638301	-0.0125059	0.66999686	0.90650187
Tmem246	0.20814796	0.21245221	0.2249584	-0.0125062	0.59760245	0.90650187
Prpf40b	0.15321735	0.15825671	0.1707635	-0.0125068	0.62763571	0.90650187
Zbtb11os1	0.11981991	0.12361522	0.13612857	-0.0125134	0.65860309	0.90650187
Hnrnpa0	0.54357213	0.48337421	0.4958889	-0.0125147	0.54466489	0.90650187
Dgke	0.05937132	0.05753275	0.07005088	-0.0125181	0.78652799	0.90650187
Ralgps1	0.08612829	0.08735179	0.09987321	-0.0125214	0.71135918	0.90650187
Rgs12	0.13210209	0.13649572	0.14902037	-0.0125247	0.64566315	0.90650187
Kcnmb4	0.0433531	0.03915496	0.05169286	-0.0125379	0.85954201	0.91800029
Entpd5	0.12000299	0.12378403	0.1363221	-0.0125381	0.65868593	0.90650187
Uhmk1	0.16375839	0.16886817	0.18142367	-0.0125555	0.62082955	0.90650187
1700029J07F	0.0784116	0.07881852	0.09137825	-0.0125597	0.72941286	0.90650187
Stk11ip	0.09050335	0.0920903	0.10465218	-0.0125619	0.70320001	0.90650187
Sirt5	0.10772503	0.11068276	0.12325263	-0.0125699	0.67486362	0.90650187
Clec16a	0.06386933	0.06256408	0.07513697	-0.0125729	0.77153039	0.90650187
Amer2	0.05175264	0.04879451	0.06136753	-0.012573	0.8188047	0.9092537

Crls1	0.07686733	0.07709343	0.08966805	-0.0125746	0.73349919	0.90650187
Map3k12	0.19601421	0.20069041	0.21327145	-0.012581	0.60343555	0.90650187
Sdccag8	0.26335854	0.26364315	0.27622522	-0.0125821	0.58023615	0.90650187
Rfwd2	0.27509972	0.27415511	0.28674076	-0.0125856	0.5773532	0.90650187
Hmga1	0.0699136	0.06933643	0.08192466	-0.0125882	0.7527266	0.90650187
Tk2	0.093078	0.09485596	0.10745203	-0.0125961	0.69886413	0.90650187
Zswim1	0.08094454	0.08157609	0.09417597	-0.0125999	0.72400525	0.90650187
Pfdn4	1.08695476	0.7719569	0.78455981	-0.0126029	0.52846537	0.90650187
Ccnj	0.06102331	0.05931038	0.07192233	-0.012612	0.78217506	0.90650187
Eif5	1.69091898	0.90490925	0.91752339	-0.0126141	0.52436751	0.90650187
Cldn9	0.03069208	0.0242873	0.03690507	-0.0126178	0.9357375	0.95373281
Syne4	0.13268951	0.13700619	0.14963237	-0.0126262	0.64621673	0.90650187
Pnpla6	0.12301513	0.12685905	0.13950022	-0.0126412	0.65647066	0.90650187
Tigar	0.06493649	0.0636916	0.07633927	-0.0126477	0.7692975	0.90650187
Chrn2	0.04955075	0.04619131	0.05884172	-0.0126504	0.83040404	0.90982931
4932422M17	0.06386319	0.06247766	0.07513004	-0.0126524	0.77297136	0.90650187
Dixdc1	0.12969785	0.13385794	0.14651123	-0.0126533	0.64948863	0.90650187
Stoml1	0.13832215	0.14282161	0.15547991	-0.0126583	0.64130024	0.90650187
Slc35d1	0.06834274	0.0674979	0.08016572	-0.0126678	0.7588152	0.90650187
Zfp111	0.08258895	0.0833102	0.09598739	-0.0126772	0.72144433	0.90650187
Tbc1d25	0.05282065	0.04991041	0.06259003	-0.0126796	0.81609953	0.9092537
Gpr27	0.06190282	0.06023302	0.07291703	-0.012684	0.78033314	0.90650187
Zfp799	0.0686542	0.06782237	0.08051476	-0.0126924	0.75828854	0.90650187
AW146154	0.07057232	0.06996528	0.08266119	-0.0126959	0.75263324	0.90650187
Ttl	0.14692819	0.15163619	0.16434222	-0.012706	0.63446766	0.90650187
Fbf1	0.08537702	0.08633795	0.09904987	-0.0127119	0.71584523	0.90650187
Zfp40	0.08364193	0.08443157	0.0971453	-0.0127137	0.71965304	0.90650187
Tpp1	0.36932614	0.35388364	0.36660796	-0.0127243	0.56131308	0.90650187
Nfyb	0.51567834	0.46388621	0.47661611	-0.0127299	0.54725827	0.90650187
Ppt2	0.19529822	0.1998464	0.21257682	-0.0127304	0.60496913	0.90650187

Mon1b	0.0419012	0.03726939	0.05000965	-0.0127403	0.87129719	0.92225579
Slc27a4	0.2004683	0.20483969	0.21757995	-0.0127403	0.60268759	0.90650187
Gm4950	0.18844619	0.19314466	0.20590149	-0.0127568	0.6085078	0.90650187
Ube3b	0.11993515	0.12349348	0.1362504	-0.0127569	0.66138114	0.90650187
Ddb2	0.05293935	0.04996787	0.06272579	-0.0127579	0.81705546	0.9092537
Zmat3	0.19427252	0.19882185	0.21158077	-0.0127589	0.60568213	0.90650187
Usp39	0.19521466	0.19973182	0.21249572	-0.0127639	0.60527797	0.90650187
Prkar2b	0.31032579	0.30474781	0.31751584	-0.012768	0.57093998	0.90650187
Tbc1d17	0.40876648	0.38505094	0.39782271	-0.0127718	0.55674536	0.90650187
2510046G10	0.12654962	0.13044116	0.14321516	-0.012774	0.65414053	0.90650187
Emc1	0.18262793	0.18741142	0.20019352	-0.0127821	0.61173591	0.90650187
Fgfr1op	0.16452909	0.16941506	0.18219814	-0.0127831	0.62244377	0.90650187
Orai2	0.10637072	0.10901526	0.12179958	-0.0127843	0.67961398	0.90650187
Ttpal	0.10518374	0.10773887	0.12052418	-0.0127853	0.68139155	0.90650187
Eya1	0.04176009	0.03705969	0.04984588	-0.0127862	0.87293227	0.92289911
Spag1	0.13372193	0.13791464	0.150707	-0.0127924	0.64704448	0.90650187
Ulk3	0.09870709	0.10074727	0.11354146	-0.0127942	0.6917948	0.90650187
Dram2	0.4238421	0.39663787	0.40943516	-0.0127973	0.55525585	0.90650187
Eif2a	0.57213681	0.50231583	0.5151152	-0.0127994	0.54397872	0.90650187
Slc25a22	0.16917849	0.17403807	0.18685615	-0.0128181	0.61980264	0.90650187
Ranbp6	0.10785207	0.11056952	0.12338881	-0.0128193	0.67791257	0.90650187
Ppm1l	0.22057434	0.22392391	0.23676744	-0.0128435	0.5952819	0.90650187
Mroh1	0.10295185	0.10527192	0.11812125	-0.0128493	0.68566399	0.90650187
Tsta3	0.38685502	0.36777933	0.38063296	-0.0128536	0.55966665	0.90650187
Gm6594	0.05043143	0.04699888	0.05985284	-0.012854	0.83014435	0.9097662
Entpd6	0.10602583	0.10856517	0.12142919	-0.012864	0.68116559	0.90650187
Mycbpap	0.0393964	0.03423387	0.04709817	-0.0128643	0.88767648	0.92975747
Gm15545	0.10512311	0.10758992	0.12045899	-0.0128691	0.6825852	0.90650187
Dtnbp1	0.20694358	0.21093217	0.22380536	-0.0128732	0.60091236	0.90650187
Vegfb	0.16299123	0.16777474	0.18065209	-0.0128773	0.62433811	0.90650187

Med6	0.40573996	0.38258441	0.39547063	-0.0128862	0.55758848	0.90650187
Akip1	0.14372628	0.14816381	0.16105508	-0.0128913	0.639019	0.90650187
Ints1	0.08510549	0.08585638	0.0987521	-0.0128957	0.71922388	0.90650187
Pign	0.0911062	0.09240816	0.1053086	-0.0129004	0.70698301	0.90650187
Nsmf	0.29228393	0.28898664	0.30189623	-0.0129096	0.57538522	0.90650187
Zfp579	0.30689662	0.30165912	0.31456964	-0.0129105	0.57238755	0.90650187
Myo9a	0.16692198	0.1716794	0.18459849	-0.0129191	0.62214713	0.90650187
Fiz1	0.34355252	0.33260689	0.34552774	-0.0129209	0.56601651	0.90650187
Mdfic	0.09733524	0.09913838	0.11206145	-0.0129231	0.69591002	0.90650187
Hif1an	0.20223942	0.20636102	0.21928711	-0.0129261	0.6033587	0.90650187
Bbs5	0.17738115	0.18207928	0.19501456	-0.0129353	0.61595579	0.90650187
Gm13111	0.03737238	0.03179775	0.04473847	-0.0129407	0.90076165	0.93521466
Arhgap23	0.11835654	0.12163246	0.13458026	-0.0129478	0.6655675	0.90650187
Anks1	0.09129627	0.09256015	0.10551545	-0.0129553	0.70741077	0.90650187
lqce	0.13122846	0.13515209	0.14810942	-0.0129573	0.65133352	0.90650187
Sgtb	0.05286601	0.04968069	0.06264191	-0.0129612	0.82117157	0.9092537
Hsd17b11	0.24848869	0.24975368	0.26271808	-0.0129644	0.58682223	0.90650187
Ankrd13d	0.07247195	0.07181322	0.08478166	-0.0129684	0.75175158	0.90650187
Cwf19l1	0.04303855	0.03835894	0.05132847	-0.0129695	0.8693456	0.92141903
Rps2-ps6	0.03718013	0.03154401	0.04451401	-0.01297	0.90239367	0.93614183
Zfp692	0.05400791	0.05097635	0.06394702	-0.0129707	0.81639799	0.9092537
2900076A07	0.24265284	0.24438216	0.25735707	-0.0129749	0.58867181	0.90650187
Traip	0.04744635	0.04344234	0.05642089	-0.0129785	0.84675785	0.91417373
Ak5	0.05286908	0.04965815	0.06264543	-0.0129873	0.82164096	0.9092537
Chn1	0.06744639	0.06617032	0.07916044	-0.0129901	0.76715756	0.90650187
Rpia	0.41510757	0.38973305	0.40272838	-0.0129953	0.55703331	0.90650187
Lysmd4	0.0709166	0.07004294	0.08304587	-0.0130029	0.75680827	0.90650187
Fam19a5	0.06336657	0.06155735	0.07456995	-0.0130126	0.78105661	0.90650187
Zbtb14	0.17550749	0.18013549	0.1931578	-0.0130223	0.61780224	0.90650187
BC049715	0.0607044	0.05853716	0.07156137	-0.0130242	0.79077204	0.90650187

2510039O18	0.18730552	0.19175761	0.20478533	-0.0130277	0.61134022	0.90650187
Rwdd2b	0.05473467	0.05174866	0.06477662	-0.013028	0.81436747	0.9092537
Eri2	0.08547275	0.08612013	0.09915483	-0.0130347	0.72052803	0.90650187
Rtkn	0.16810383	0.17273883	0.18578165	-0.0130428	0.62251934	0.90650187
Itga9	0.04224804	0.03736486	0.05041204	-0.0130472	0.87504561	0.92397668
Mdc1	0.07080966	0.06987682	0.0829264	-0.0130496	0.75790387	0.90650187
Hcfc2	0.20612438	0.20996745	0.2230202	-0.0130528	0.60264098	0.90650187
Srgap3	0.06634186	0.06486213	0.07792007	-0.0130579	0.77186411	0.90650187
Senp5	0.1981025	0.20223553	0.21529433	-0.0130588	0.60628551	0.90650187
Zfp646	0.15502672	0.15954281	0.17260232	-0.0130595	0.63170231	0.90650187
Nup155	0.09643603	0.09802849	0.11108994	-0.0130615	0.69940646	0.90650187
3110009E18I	0.12612895	0.12971051	0.14277383	-0.0130633	0.65790702	0.90650187
Gan	0.09237606	0.09362338	0.10668961	-0.0130662	0.70693454	0.90650187
Tmem180	0.06172108	0.05964291	0.07271158	-0.0130687	0.78786117	0.90650187
Zscan29	0.11031727	0.11295564	0.12602748	-0.0130718	0.67763941	0.90650187
Ssbp3	0.5971414	0.51846571	0.53153871	-0.013073	0.54353282	0.90650187
Rhot2	0.20833746	0.21206525	0.2251397	-0.0130744	0.60186132	0.90650187
Hiatl1	0.36055896	0.34641872	0.35949842	-0.0130797	0.5642468	0.90650187
Slc35d3	0.13052932	0.13429959	0.14737975	-0.0130802	0.65341388	0.90650187
Dapk3	0.12535071	0.12887598	0.1419568	-0.0130808	0.65896756	0.90650187
Prr14l	0.18064542	0.18515772	0.19824019	-0.0130825	0.6153837	0.90650187
Otud5	0.37814087	0.36060721	0.37369132	-0.0130841	0.56184741	0.90650187
Mid1	0.08500402	0.08555307	0.0986408	-0.0130877	0.72235309	0.90650187
Chtf18	0.05549799	0.05255412	0.06564712	-0.013093	0.81236762	0.9092537
Hsd12	0.3164701	0.3096656	0.3227689	-0.0131033	0.57161066	0.90650187
Daglb	0.12719053	0.13077914	0.14388712	-0.013108	0.65725778	0.90650187
Ikzf5	0.27770653	0.27594918	0.28905735	-0.0131082	0.579885	0.90650187
A430005L14I	0.40245224	0.37979719	0.39290768	-0.0131105	0.55896294	0.90650187
Erc3	0.14179686	0.14595734	0.15906852	-0.0131112	0.64297714	0.90650187
Cep112	0.10667963	0.10901402	0.12213122	-0.0131172	0.68348597	0.90650187

Bckdha	0.45250524	0.41792183	0.43104437	-0.0131225	0.55382858	0.90650187
Tyw5	0.13949447	0.14356773	0.15669225	-0.0131245	0.6451888	0.90650187
RP23-54G8.4	0.08019178	0.08021785	0.09334547	-0.0131276	0.73408246	0.90650187
Uggt2	0.16144318	0.16596353	0.17909311	-0.0131296	0.62775523	0.90650187
Elovl7	0.07278975	0.07200447	0.08513589	-0.0131314	0.7535468	0.90650187
Hist1h4d	0.04394779	0.03923388	0.05238136	-0.0131475	0.86775172	0.92062353
Tpd52l1	0.08426105	0.08467593	0.09782539	-0.0131495	0.72493584	0.90650187
Zfp119b	0.06112895	0.05889198	0.07204186	-0.0131499	0.79144956	0.90661829
Ralgapa2	0.14532607	0.14954675	0.16269894	-0.0131522	0.64034167	0.90650187
Gmcs	0.3309772	0.3218862	0.33503854	-0.0131523	0.56927064	0.90650187
Aqr	0.31573356	0.30898769	0.32214094	-0.0131533	0.57201926	0.90650187
Pgap1	0.25164571	0.25244894	0.26560363	-0.0131547	0.58713445	0.90650187
Gm13251	0.14218119	0.14630516	0.15946458	-0.0131594	0.64313926	0.90650187
Tnrc6a	0.92919632	0.70576121	0.71892227	-0.0131611	0.53243178	0.90650187
Abhd11	0.37471156	0.35777953	0.37094313	-0.0131636	0.56267722	0.90650187
Pag1	0.07898813	0.07885051	0.09201585	-0.0131653	0.73763251	0.90650187
2610318N02	0.03097702	0.02406428	0.03724061	-0.0131763	0.94213216	0.95782176
Ankrd52	0.04259183	0.03763234	0.05081071	-0.0131784	0.87554927	0.92418014
Zfp651	0.14354764	0.14768181	0.16087133	-0.0131895	0.64225266	0.90650187
Mlf1	0.07382442	0.07309375	0.08628818	-0.0131944	0.75167901	0.90650187
Plch1	0.05184016	0.04826576	0.06146778	-0.013202	0.83016689	0.9097662
Swsap1	0.10229418	0.10420794	0.11741198	-0.013204	0.69144449	0.90650187
Wdr92	0.19497315	0.19904381	0.21226127	-0.0132175	0.60904346	0.90650187
Cobll1	0.10475352	0.10684314	0.12006147	-0.0132183	0.68773672	0.90650187
Clasp2	0.14743235	0.15163617	0.16485872	-0.0132226	0.63928991	0.90650187
Snx29	0.08450697	0.08486971	0.09809537	-0.0132257	0.72553909	0.90650187
Shmt2	0.26617555	0.26552025	0.27876023	-0.01324	0.5836142	0.90650187
Ddx20	0.13432202	0.13808891	0.15133104	-0.0132421	0.65136567	0.90650187
Esf1	0.57963678	0.50681514	0.52008013	-0.013265	0.5451386	0.90650187
AU041133	0.08459251	0.08492366	0.09818926	-0.0132656	0.72595075	0.90650187

Tdg	0.70214408	0.58338167	0.59664799	-0.0132663	0.53937013	0.90650187
Gramd4	0.05436782	0.0510905	0.06435795	-0.0132675	0.82028872	0.9092537
Cox6c	3.18665985	0.80082868	0.81410622	-0.0132775	0.52889995	0.90650187
G6pdx	0.13881497	0.14270962	0.15598975	-0.0132801	0.64746117	0.90650187
Tor4a	0.04810996	0.04390191	0.057185	-0.0132831	0.84911334	0.91444933
Naf1	0.11890308	0.12186986	0.13515884	-0.013289	0.66897954	0.90650187
Brsk1	0.05548189	0.05232919	0.06562877	-0.0132996	0.81617813	0.9092537
Slmap	0.32184081	0.31402748	0.32733344	-0.013306	0.57170314	0.90650187
Cdk5r1	0.079393	0.07915571	0.09246333	-0.0133076	0.73885714	0.90650187
Mrpl39	0.36645071	0.35096799	0.36428303	-0.013315	0.56454116	0.90650187
Lym1	0.08154603	0.08151957	0.094839	-0.0133194	0.73380188	0.90650187
Agbl5	0.09167201	0.0926025	0.10592421	-0.0133217	0.71195594	0.90650187
Celsr2	0.1662645	0.1706139	0.1839396	-0.0133257	0.62629889	0.90650187
Zdhhc1	0.20994697	0.21335121	0.22667793	-0.0133267	0.60309396	0.90650187
Rgs11	0.04646789	0.04196155	0.05529301	-0.0133315	0.85810882	0.91737198
Zfp335	0.06495111	0.06302015	0.07635572	-0.0133356	0.78125181	0.90650187
Nr2c1	0.10252226	0.10432028	0.11765802	-0.0133377	0.69285357	0.90650187
Tmem147	1.27719215	0.83143435	0.8447731	-0.0133388	0.52798077	0.90650187
Slc25a33	0.13491415	0.1385925	0.15194638	-0.0133539	0.65199208	0.90650187
Itch	0.52599936	0.47044877	0.48380517	-0.0133564	0.54883943	0.90650187
Cog5	0.04753263	0.04316008	0.05652027	-0.0133602	0.85333554	0.91587612
Opn3	0.06076878	0.05826761	0.07163425	-0.0133666	0.79659784	0.9075779
Ccdc62	0.05323501	0.04969127	0.06306386	-0.0133726	0.82707873	0.90947782
Efna2	0.29261337	0.2888112	0.30218414	-0.0133729	0.57798336	0.90650187
Der1	0.68050533	0.57033812	0.58371558	-0.0133775	0.54057538	0.90650187
Spin4	0.06547421	0.06356621	0.07694446	-0.0133782	0.78022472	0.90650187
3010003L21F	0.12310677	0.12621082	0.13959672	-0.0133859	0.66505113	0.90650187
Clasrp	0.14604822	0.15004877	0.16344001	-0.0133912	0.64216245	0.90650187
Tmem259	0.15260232	0.1567391	0.1701376	-0.0133985	0.63686666	0.90650187
Snrpa	1.08880742	0.77183767	0.78523706	-0.0133994	0.53023494	0.90650187

D17H6S53E	0.0791037	0.07873938	0.0921436	-0.0134042	0.74108917	0.90650187
Nfrkb	0.18138547	0.1855583	0.19896985	-0.0134115	0.61778011	0.90650187
Sos1	0.15846493	0.16267153	0.17608618	-0.0134147	0.63257332	0.90650187
Me1	0.13275971	0.13628976	0.14970548	-0.0134157	0.6548283	0.90650187
Apex2	0.06398749	0.06185341	0.07527017	-0.0134168	0.7859422	0.90650187
Prkd2	0.09599729	0.09718012	0.11061552	-0.0134354	0.70538937	0.90650187
Alkbh2	0.18729765	0.19133185	0.20477762	-0.0134458	0.61481849	0.90650187
Bend7	0.22868146	0.23093924	0.24438513	-0.0134459	0.59661466	0.90650187
RP23-60P18.	0.09413488	0.09515101	0.10859868	-0.0134477	0.70901007	0.90650187
Ezh1	0.19586863	0.19968215	0.21313026	-0.0134481	0.61045656	0.90650187
Scai	0.19526963	0.19909659	0.21254907	-0.0134525	0.61078578	0.90650187
Kif5c	0.13437427	0.13793112	0.15138535	-0.0134542	0.65361511	0.90650187
Id4	0.06091009	0.05833444	0.0717942	-0.0134598	0.79770413	0.9075779
Rragb	0.08443767	0.08455877	0.0980193	-0.0134605	0.72923264	0.90650187
Park2	0.0608552	0.05826684	0.07173207	-0.0134652	0.79800308	0.9075779
Haus3	0.15221134	0.15627366	0.16973949	-0.0134658	0.63783594	0.90650187
Jtb	0.90617754	0.69416225	0.7076289	-0.0134667	0.53371145	0.90650187
Mettl13	0.14210685	0.14591829	0.15938798	-0.0134697	0.64642742	0.90650187
Rwdd3	0.12714687	0.13037111	0.14384136	-0.0134702	0.6614105	0.90650187
Ccdc94	0.08256126	0.08248323	0.09595692	-0.0134737	0.73376012	0.90650187
Ap4m1	0.3524326	0.33937388	0.35285278	-0.0134789	0.56742461	0.90650187
Zfp81	0.16575642	0.16994334	0.1834301	-0.0134868	0.62811484	0.90650187
Tmem102	0.05215246	0.04833106	0.06182539	-0.0134943	0.83405671	0.91062493
Sgk3	0.09397398	0.0949298	0.10842422	-0.0134944	0.70997019	0.90650187
Bahcc1	0.09809812	0.09937684	0.1128848	-0.013508	0.7026258	0.90650187
D10Jhu81e	0.46827355	0.42916124	0.44267911	-0.0135179	0.55399181	0.90650187
Slc10a7	0.14056414	0.14427431	0.15779702	-0.0135227	0.64838892	0.90650187
Carnmt1	0.20634418	0.20970548	0.22323093	-0.0135254	0.60617252	0.90650187
Qpctl	0.2380701	0.23959639	0.25312354	-0.0135272	0.59389553	0.90650187
Ankle2	0.20167391	0.20520861	0.21874238	-0.0135338	0.6083624	0.90650187

Cep57l1	0.1716387	0.17577694	0.18931115	-0.0135342	0.62469108	0.90650187
F2rl1	0.05504743	0.0515975	0.0651334	-0.0135359	0.82222497	0.9092537
Fhad1	0.1268442	0.12998583	0.14352408	-0.0135382	0.66251702	0.90650187
Cog2	0.19130145	0.19515037	0.20868924	-0.0135389	0.61348428	0.90650187
Anapc1	0.25939564	0.25910392	0.27264626	-0.0135423	0.5873811	0.90650187
Mib2	0.15641037	0.16046101	0.17400596	-0.013545	0.63534911	0.90650187
Al467606	0.13849066	0.14210849	0.15565428	-0.0135458	0.65057687	0.90650187
9430015G10	0.0477023	0.04316344	0.05671569	-0.0135522	0.85594577	0.9165432
Zfp446	0.07231222	0.07104957	0.08460356	-0.013554	0.76183335	0.90650187
Nkapl	0.03716259	0.03093877	0.04449353	-0.0135548	0.91218512	0.94062208
Acer3	0.1112895	0.11351045	0.12706605	-0.0135556	0.68234419	0.90650187
Zrsr1	0.06538455	0.06328765	0.07684357	-0.0135559	0.78355222	0.90650187
Osgepl1	0.11207316	0.11434608	0.12790233	-0.0135562	0.68124588	0.90650187
Abcd4	0.12033011	0.12310667	0.13666778	-0.0135611	0.67043818	0.90650187
Thumpd2	0.09950339	0.10083817	0.11439935	-0.0135612	0.70090084	0.90650187
Aste1	0.06342648	0.06107292	0.07463754	-0.0135646	0.79043868	0.90650187
Fam63b	0.28711203	0.2837985	0.29736342	-0.0135649	0.58035301	0.90650187
Ddx52	0.29742019	0.29280852	0.30637359	-0.0135651	0.57802153	0.90650187
Vps33b	0.08852025	0.08891152	0.10248932	-0.0135778	0.72205416	0.90650187
Trmt5	0.05991058	0.05708309	0.07066223	-0.0135791	0.80353366	0.90882608
Ptpn9	0.30897824	0.30277689	0.31635932	-0.0135824	0.57568457	0.90650187
Slc35g1	0.14209619	0.14579042	0.159377	-0.0135866	0.6476484	0.90650187
Tap2	0.10985779	0.11194188	0.12553624	-0.0135944	0.68488965	0.90650187
Plcb3	0.11550666	0.11796189	0.13155744	-0.0135955	0.6770346	0.90650187
Rptor	0.12810891	0.13125122	0.14484915	-0.0135979	0.66178438	0.90650187
Soga3	0.05485529	0.05131337	0.06491423	-0.0136009	0.82418846	0.90929265
Mad2l2	0.41205196	0.38675971	0.40036823	-0.0136085	0.56005405	0.90650187
Wdfy1	0.33555807	0.32526544	0.33887494	-0.0136095	0.57085029	0.90650187
Naa16	0.22723361	0.22941649	0.24302969	-0.0136132	0.59832682	0.90650187
Zfp354a	0.06726662	0.06534008	0.07895868	-0.0136186	0.77839004	0.90650187

Sirt1	0.05607301	0.05267704	0.0663023	-0.0136253	0.81953157	0.9092537
Lrba	0.17045181	0.1744971	0.18812761	-0.0136305	0.62631146	0.90650187
Lmo3	0.05856141	0.05549061	0.0691319	-0.0136413	0.80981608	0.9092537
Al606181	0.05873019	0.05567086	0.0693235	-0.0136526	0.80935517	0.9092537
Rnf185	0.08948253	0.08987404	0.10353952	-0.0136655	0.72131265	0.90650187
Lta4h	0.29736104	0.29265099	0.30632218	-0.0136712	0.578637	0.90650187
Pomt1	0.07913352	0.07849518	0.09217657	-0.0136814	0.74532273	0.90650187
Bod1l	0.49520586	0.44846546	0.46214721	-0.0136818	0.55235406	0.90650187
Taf4a	0.08026433	0.07973698	0.09342555	-0.0136886	0.74259419	0.90650187
Ap4s1	0.30251275	0.29709558	0.31078804	-0.0136925	0.57764058	0.90650187
Wdr54	0.07338417	0.07210283	0.08579807	-0.0136952	0.76102874	0.90650187
Pdss1	0.05444723	0.05075282	0.0644486	-0.0136958	0.82759974	0.90947782
Mccc1	0.16019139	0.16412925	0.17783049	-0.0137012	0.63401978	0.90650187
Fam105a	0.10217583	0.10357562	0.11728429	-0.0137087	0.69833603	0.90650187
Abtb1	0.14315821	0.14676001	0.16047064	-0.0137106	0.64796529	0.90650187
Pja1	0.92600835	0.70366024	0.71737436	-0.0137141	0.53386419	0.90650187
Plpp7	0.08441979	0.08427619	0.09799967	-0.0137235	0.73320808	0.90650187
Prickle3	0.08568427	0.0856563	0.09938669	-0.0137304	0.73044715	0.90650187
Klhdc9	0.04568712	0.04065827	0.05439197	-0.0137337	0.86917361	0.92141903
4632404H12	0.04207879	0.03647798	0.0502157	-0.0137377	0.88804635	0.92986219
Gm5595	0.07573252	0.07467015	0.08840914	-0.013739	0.75517256	0.90650187
Tmie	0.10710231	0.10884309	0.12258479	-0.0137417	0.69088147	0.90650187
Slc25a1	0.23268943	0.23438409	0.2481263	-0.0137422	0.59724214	0.90650187
Ercc4	0.07189862	0.07039576	0.08414222	-0.0137465	0.76616836	0.90650187
Caprin1	1.19758407	0.80796518	0.82171381	-0.0137486	0.52964692	0.90650187
Pi4k2a	0.07855546	0.07778079	0.0915374	-0.0137566	0.74796616	0.90650187
Rfx2	0.07713346	0.07620093	0.08996303	-0.0137621	0.75176882	0.90650187
Acot8	0.23506215	0.23656944	0.2503335	-0.0137641	0.59655197	0.90650187
Jarid2	0.40498476	0.38111507	0.39488264	-0.0137676	0.56158773	0.90650187
Capn7	0.35791263	0.34356215	0.35734021	-0.0137781	0.56804944	0.90650187

Acap3	0.12908134	0.13208749	0.1458667	-0.0137792	0.6627395	0.90650187
Rabep1	0.5458064	0.48361911	0.49741076	-0.0137917	0.54905053	0.90650187
Depdc5	0.0761555	0.07508512	0.08887859	-0.0137935	0.7548821	0.90650187
Alkbh6	0.48367064	0.44007387	0.45386936	-0.0137955	0.55374367	0.90650187
Bzw1	1.57359395	0.89105575	0.90486438	-0.0138086	0.52704426	0.90650187
D430019H16	0.09280363	0.093344	0.1071541	-0.0138101	0.71666173	0.90650187
Yae1d1	0.36503223	0.34932114	0.36313366	-0.0138125	0.56714003	0.90650187
Gm12355	0.09954106	0.10062466	0.11443991	-0.0138152	0.70425424	0.90650187
Rmnd5a	0.19387261	0.19737665	0.21119212	-0.0138155	0.61440412	0.90650187
2700060E02l	1.76219257	0.90848849	0.92230396	-0.0138155	0.52654678	0.90650187
Gm20522	0.04790131	0.04312723	0.05694483	-0.0138176	0.85964403	0.91802142
Pole2	0.06640057	0.0641681	0.07798604	-0.0138179	0.78456197	0.90650187
4930578M01	0.05949434	0.0563699	0.07019039	-0.0138205	0.8093055	0.9092537
Acad11	0.09111508	0.09149677	0.10531825	-0.0138215	0.72019501	0.90650187
Zfp809	0.08470067	0.08447914	0.09830796	-0.0138288	0.73413134	0.90650187
Map3k11	0.14693058	0.1505156	0.16434467	-0.0138291	0.64582881	0.90650187
Dyrk3	0.06483999	0.06238681	0.07623061	-0.0138438	0.79026503	0.90650187
Cbr4	0.17768478	0.18146721	0.19531509	-0.0138479	0.62369299	0.90650187
Slc35f6	0.1069203	0.10853814	0.1223895	-0.0138514	0.69256316	0.90650187
Fbxw4	0.07062573	0.06886734	0.08272087	-0.0138535	0.77171892	0.90650187
Pus10	0.08780897	0.08785488	0.10171223	-0.0138574	0.727634	0.90650187
Eps8l2	0.2507508	0.25092746	0.26478665	-0.0138592	0.59199789	0.90650187
Msrb2	0.13414401	0.13728171	0.15114597	-0.0138643	0.65828417	0.90650187
Gprc5c	0.20652514	0.2095335	0.22340439	-0.0138709	0.60873442	0.90650187
Tbcel	0.15180151	0.15544946	0.16932199	-0.0138725	0.64215608	0.90650187
Zc3hav1l	0.10704314	0.10864629	0.12252131	-0.013875	0.6926747	0.90650187
Pdxdc1	0.4903692	0.44481232	0.45868745	-0.0138751	0.55348767	0.90650187
Aff4	0.48404169	0.44025693	0.45413703	-0.0138801	0.5540396	0.90650187
Noc3l	0.14343745	0.14686134	0.16075798	-0.0138966	0.64962118	0.90650187
Slc38a1	0.34738429	0.33479871	0.34869697	-0.0138983	0.57032109	0.90650187

Clint1	0.5314334	0.47366388	0.48756252	-0.0138986	0.55042221	0.90650187
Sbf1	0.12080903	0.12327103	0.13717364	-0.0139026	0.67384809	0.90650187
Bbs7	0.08103537	0.08036762	0.09427613	-0.0139085	0.74404227	0.90650187
Fam83h	0.047381	0.04243603	0.0563456	-0.0139096	0.86377755	0.91993853
Arhgef3	0.08541443	0.08518064	0.09909089	-0.0139103	0.73370874	0.90650187
Brd2	0.77272299	0.62329998	0.63721044	-0.0139105	0.53865614	0.90650187
Grb14	0.20455148	0.20759628	0.22151069	-0.0139144	0.60997551	0.90650187
Tpcn1	0.31963183	0.31153447	0.32545919	-0.0139247	0.57542557	0.90650187
Cep85	0.08535429	0.08509749	0.09902495	-0.0139275	0.73409864	0.90650187
Dnttip2	0.55413996	0.48912983	0.50306008	-0.0139303	0.5489874	0.90650187
BC055324	0.05120614	0.04681094	0.06074132	-0.0139304	0.84602972	0.91377702
Pabpc1l	0.06981419	0.06787354	0.08181346	-0.0139399	0.77561638	0.90650187
Flot2	0.30036929	0.29498704	0.30893283	-0.0139458	0.5795267	0.90650187
Frmf5	0.0571758	0.0536114	0.06755744	-0.013946	0.82061635	0.9092537
Proser1	0.41965951	0.39228202	0.40623136	-0.0139493	0.56066486	0.90650187
Fbxl18	0.14228218	0.14561807	0.15956862	-0.0139506	0.65123782	0.90650187
Ogfod1	0.05546062	0.05164648	0.06560452	-0.013958	0.82788721	0.90949726
Setd6	0.09116053	0.0914	0.10536772	-0.0139677	0.72217577	0.90650187
Nfk	0.52658157	0.47024073	0.48420863	-0.0139679	0.55102118	0.90650187
Rbm38	0.08524085	0.08492618	0.09890055	-0.0139744	0.73504774	0.90650187
Cyth1	0.18317399	0.18673698	0.2007308	-0.0139938	0.62169011	0.90650187
Sema4d	0.08666403	0.08646276	0.10045985	-0.0139971	0.73217583	0.90650187
Myliip	0.068872	0.06676136	0.08075875	-0.0139974	0.77950658	0.90650187
Aif1l	0.07875751	0.07776006	0.09176086	-0.0140008	0.7512115	0.90650187
Tubgcp6	0.04927965	0.04452786	0.05853023	-0.0140024	0.85623049	0.9165432
Tmem29	0.36466954	0.34882819	0.36283952	-0.0140113	0.56815173	0.90650187
Fbxl4	0.14537304	0.14872769	0.16274716	-0.0140195	0.64912392	0.90650187
Lrnf4	0.16301089	0.16664779	0.18067187	-0.0140241	0.63498142	0.90650187
Cenpp	0.07420199	0.07268259	0.08670828	-0.0140257	0.76396308	0.90650187
Nol4	0.22309427	0.22511545	0.23914283	-0.0140274	0.60286338	0.90650187

Nup205	0.10832886	0.10986577	0.12389974	-0.014034	0.69271058	0.90650187
Poll	0.07899732	0.07799121	0.09202601	-0.0140348	0.75111269	0.90650187
Glis2	0.20597654	0.20883945	0.22287842	-0.014039	0.61027126	0.90650187
Msi1	0.20111788	0.20416509	0.21820645	-0.0140414	0.61258786	0.90650187
Dcbld1	0.19589168	0.19910817	0.21315262	-0.0140444	0.61520732	0.90650187
Klhdc1	0.10503107	0.10631539	0.12036001	-0.0140446	0.69803278	0.90650187
Med22	0.2068978	0.20969778	0.22376149	-0.0140637	0.61003586	0.90650187
Fpgs	0.19680775	0.19995381	0.21404068	-0.0140869	0.61507959	0.90650187
Pcgf1	0.12550062	0.12800831	0.14211425	-0.0141059	0.67048788	0.90650187
Ptar1	0.06878051	0.0665477	0.08065626	-0.0141086	0.78160777	0.90650187
Gdap2	0.14707059	0.15037907	0.16448813	-0.0141091	0.64851874	0.90650187
Rhpn1	0.05850952	0.05495888	0.06907299	-0.0141141	0.81816605	0.9092537
Dda1	0.63659825	0.54259563	0.55671451	-0.0141189	0.54488381	0.90650187
Kcnc3	0.1532354	0.15665151	0.17078186	-0.0141303	0.64349839	0.90650187
Diexf	0.08913241	0.08902704	0.10315756	-0.0141305	0.72872419	0.90650187
Rnf208	0.12830887	0.13092689	0.14505848	-0.0141316	0.66752565	0.90650187
Rnf186	0.04658357	0.04128825	0.05542644	-0.0141382	0.87159975	0.9223337
Ift122	0.27307952	0.2708024	0.28494112	-0.0141387	0.58729416	0.90650187
Rpgrip1l	0.09447586	0.09482624	0.1089683	-0.0141421	0.71801569	0.90650187
Stim1	0.08026589	0.07926472	0.09342728	-0.0141626	0.74981424	0.90650187
Nek1	0.27591106	0.2732998	0.28746245	-0.0141627	0.58668486	0.90650187
Cyb5r1	0.09516882	0.09553986	0.10971895	-0.0141791	0.71718873	0.90650187
Mon2	0.14575194	0.14895506	0.16313605	-0.014181	0.65041639	0.90650187
Cyp4f16	0.10969955	0.11111845	0.12536701	-0.0141825	0.69249043	0.90650187
Slc39a9	0.10981447	0.11130707	0.12548991	-0.0141828	0.69232144	0.90650187
Utp14b	0.03824199	0.03154499	0.04575308	-0.0142081	0.91628847	0.94231902
Cyp4v3	0.04813322	0.04299697	0.05721177	-0.0142148	0.86532331	0.92040222
Nup85	0.25657072	0.25586832	0.27008584	-0.0142175	0.59251535	0.90650187
Myl6	3.54782812	0.74854432	0.76277023	-0.0142259	0.53303924	0.90650187
3110062M04	0.19173414	0.19487984	0.20911094	-0.0142311	0.61888238	0.90650187

Klhl26	0.13414239	0.13691098	0.15114428	-0.0142333	0.66226194	0.90650187
Ccser1	0.04007547	0.03364454	0.04788845	-0.0142439	0.90696563	0.9379403
Tagap1	0.10858591	0.10992996	0.12417508	-0.0142451	0.69497126	0.90650187
Pop1	0.07013742	0.0679112	0.08217499	-0.0142638	0.7798422	0.90650187
lvns1abp	0.56125587	0.4935798	0.50785047	-0.0142707	0.54970743	0.90650187
2010315B03	0.11144483	0.11295962	0.12723187	-0.0142722	0.6909998	0.90650187
Atp5s	0.10937835	0.11074717	0.12502338	-0.0142762	0.69414582	0.90650187
Kdm4b	0.13509641	0.13784647	0.1521357	-0.0142892	0.66186195	0.90650187
Dcaf4	0.13993822	0.14285346	0.15715073	-0.0142973	0.65706006	0.90650187
Lin37	0.31816384	0.30991307	0.32421117	-0.0142981	0.57771703	0.90650187
Setd1a	0.09588341	0.09618127	0.11049233	-0.0143111	0.71762443	0.90650187
6430548M08	0.05921909	0.05556678	0.06987823	-0.0143115	0.81871661	0.9092537
Arntl	0.07612828	0.07453276	0.08884839	-0.0143156	0.7630953	0.90650187
Lars2	0.10288566	0.10372361	0.11804989	-0.0143263	0.7052323	0.90650187
Vac14	0.11029141	0.11166499	0.12599985	-0.0143349	0.69349141	0.90650187
Rab40c	0.18411597	0.18732164	0.20165685	-0.0143352	0.6240084	0.90650187
Ikzf4	0.12905938	0.13150189	0.14584374	-0.0143418	0.66900518	0.90650187
Cpd	0.26537391	0.26369665	0.27803961	-0.014343	0.59069423	0.90650187
Usp12	0.16489699	0.16822303	0.18256761	-0.0143446	0.63656692	0.90650187
Fam69b	0.19967595	0.20246946	0.21681514	-0.0143457	0.61567676	0.90650187
Nipal2	0.10195594	0.10269475	0.117047	-0.0143523	0.70716392	0.90650187
Gm37494	0.1534291	0.15661625	0.17097889	-0.0143626	0.64559014	0.90650187
Impa1	0.66523758	0.56007531	0.57444463	-0.0143693	0.54427258	0.90650187
Napb	0.05373084	0.0492592	0.06363052	-0.0143713	0.84232666	0.91251845
Nanos1	0.08762644	0.08714057	0.10151269	-0.0143721	0.73545871	0.90650187
Haghl	0.44692486	0.412512	0.426885	-0.014373	0.55949195	0.90650187
1810044D09	0.10385628	0.10471714	0.11909575	-0.0143786	0.70427108	0.90650187
Micu3	0.20198454	0.20465766	0.21904163	-0.014384	0.61483108	0.90650187
Rp9	0.79498869	0.63513101	0.64951684	-0.0143858	0.53921788	0.90650187
Nit2	0.50909436	0.45759712	0.4719927	-0.0143956	0.55392695	0.90650187

Usp6nl	0.04530161	0.03954877	0.05394673	-0.014398	0.88228698	0.92700639
Fam135a	0.40496953	0.38046813	0.39487078	-0.0144026	0.56440632	0.90650187
Aldh3b1	0.05423366	0.0497972	0.0642048	-0.0144076	0.84076262	0.91251845
Reep2	0.05774019	0.05378941	0.06819911	-0.0144097	0.82621324	0.90947782
Kat6a	0.30879097	0.301752	0.31619847	-0.0144465	0.58047577	0.90650187
Ing4	0.79415112	0.6346108	0.64905811	-0.0144473	0.5394127	0.90650187
Shtn1	0.17460228	0.17780358	0.19225936	-0.0144558	0.63090847	0.90650187
Chd3os	0.21764923	0.21954121	0.23400197	-0.0144608	0.60823726	0.90650187
Med26	0.07676872	0.07509409	0.08955873	-0.0144646	0.76362454	0.90650187
Rbm45	0.25076186	0.25033032	0.26479675	-0.0144664	0.59594824	0.90650187
Fbxo46	0.1419623	0.1447678	0.15923903	-0.0144712	0.65689561	0.90650187
Tcf20	0.12989386	0.1322438	0.14671605	-0.0144723	0.66949537	0.90650187
Bcl7b	0.47683925	0.43444613	0.44892458	-0.0144784	0.55700377	0.90650187
Sap130	0.08822235	0.08768348	0.10216395	-0.0144805	0.73568851	0.90650187
Nfasc	0.12579805	0.12792846	0.14242653	-0.0144981	0.67455745	0.90650187
Nt5c2	0.43738097	0.40521861	0.4197174	-0.0144988	0.56102552	0.90650187
Hacd2	0.38086719	0.36136885	0.37586951	-0.0145007	0.56808742	0.90650187
B230219D22	1.05427415	0.75783633	0.77234151	-0.0145052	0.53326982	0.90650187
Cox20	0.92706192	0.70337319	0.71788635	-0.0145132	0.53580658	0.90650187
Ston2	0.05476603	0.05029354	0.06481241	-0.0145189	0.84034492	0.91226452
Sipa1l1	0.11765189	0.11929822	0.13383377	-0.0145356	0.6853928	0.90650187
Mrps18a	0.92721542	0.70342504	0.7179609	-0.0145359	0.53585875	0.90650187
Fancg	0.07681481	0.07507241	0.08960982	-0.0145374	0.76461024	0.90650187
Nbeal2	0.0620885	0.05858919	0.07312688	-0.0145377	0.81159541	0.9092537
Wdr90	0.07414288	0.07209002	0.08664252	-0.0145525	0.77237315	0.90650187
Aldh4a1	0.10320372	0.10384022	0.11839273	-0.0145525	0.70761894	0.90650187
Marveld3	0.25453349	0.25367883	0.26823462	-0.0145558	0.59531601	0.90650187
Grpel2	0.29352417	0.28842022	0.3029796	-0.0145594	0.58458188	0.90650187
Zfp777	0.06181371	0.05824479	0.0728163	-0.0145715	0.81316626	0.9092537
Pex26	0.12112878	0.12292678	0.13751121	-0.0145844	0.68135834	0.90650187

Podxl2	0.40261369	0.37844795	0.39303373	-0.0145858	0.56552009	0.90650187
Osbpl7	0.05600001	0.05163311	0.06621915	-0.014586	0.83626685	0.91079271
Eif2b1	0.54689391	0.48356333	0.4981504	-0.0145871	0.55178732	0.90650187
Fbxo42	0.10172578	0.10219242	0.11679855	-0.0146061	0.71087442	0.90650187
Prorsd1	0.42355476	0.39460809	0.40921549	-0.0146074	0.56304377	0.90650187
Pibf1	0.13717511	0.1396844	0.15429216	-0.0146078	0.66308296	0.90650187
Zfp263	0.25539227	0.25439551	0.26901547	-0.01462	0.59545563	0.90650187
Phf21b	0.07385945	0.07170627	0.08632716	-0.0146209	0.77425547	0.90650187
Nktr	1.48412766	0.87598428	0.89060693	-0.0146226	0.52909347	0.90650187
Zfp408	0.07985433	0.07834525	0.09297292	-0.0146277	0.75786112	0.90650187
Map3k1	0.16851599	0.17156291	0.18619391	-0.014631	0.63658028	0.90650187
Fa2h	0.06691861	0.06392942	0.07856797	-0.0146386	0.7962475	0.9075779
Fam118a	0.11893659	0.12053852	0.13519429	-0.0146558	0.68507107	0.90650187
Rbl2	0.07063264	0.06807239	0.08272859	-0.0146562	0.78452991	0.90650187
Mkl1	0.07689748	0.07504371	0.08970147	-0.0146578	0.76621516	0.90650187
Gorasp1	0.14543124	0.148148	0.1628069	-0.0146589	0.65552341	0.90650187
Rsph3a	0.09494425	0.09481584	0.10947576	-0.0146599	0.72418255	0.90650187
Psmc6	1.17589864	0.80023013	0.81489475	-0.0146646	0.53188214	0.90650187
Gde1	0.82733129	0.65232592	0.6669922	-0.0146663	0.53893579	0.90650187
Spty2d1	0.3838279	0.36356054	0.37822833	-0.0146678	0.56843915	0.90650187
Rps6kb2	0.27303701	0.27023209	0.28490321	-0.0146711	0.59053718	0.90650187
Gm13830	0.0803639	0.07886283	0.09353544	-0.0146726	0.75721392	0.90650187
Plag1	0.12520545	0.12712752	0.14180423	-0.0146767	0.67728477	0.90650187
Abca7	0.13878747	0.14128356	0.15596131	-0.0146778	0.66216634	0.90650187
Pgk1	0.18981932	0.19256172	0.20724324	-0.0146815	0.62359476	0.90650187
Diablo	0.73754334	0.60261292	0.61729499	-0.0146821	0.54210433	0.90650187
Usp45	0.06471757	0.0614008	0.07609275	-0.014692	0.80465188	0.90882608
Cul4a	0.65541934	0.55371571	0.5684159	-0.0147002	0.54576589	0.90650187
Robo1	0.064704	0.06137202	0.07607747	-0.0147055	0.80491713	0.90882608
Sclt1	0.14010614	0.14261647	0.15732415	-0.0147077	0.66115009	0.90650187

Chadl	0.10504757	0.10566704	0.12037776	-0.0147107	0.70652923	0.90650187
Gys1	0.10417518	0.1047283	0.1194391	-0.0147108	0.70799833	0.90650187
Scfd2	0.07823381	0.07646361	0.09118153	-0.0147179	0.76349193	0.90650187
Ankzf1	0.14471337	0.14734856	0.16206971	-0.0147212	0.6568217	0.90650187
Tigd2	0.28158154	0.27774764	0.29248927	-0.0147416	0.58864518	0.90650187
Thoc6	0.2458262	0.24551863	0.26027651	-0.0147579	0.5995063	0.90650187
Fbxl20	0.1336839	0.13590692	0.15066744	-0.0147605	0.6684093	0.90650187
Evpl	0.07358744	0.0712575	0.0860244	-0.0147669	0.77730711	0.90650187
Tbl2	0.1448818	0.14747127	0.16224274	-0.0147715	0.65717018	0.90650187
Ube2h	0.28975922	0.28491255	0.29968654	-0.014774	0.5867373	0.90650187
Kdm3a	0.15826797	0.16110975	0.17588697	-0.0147772	0.64561167	0.90650187
Soga1	0.07101738	0.06837393	0.08315845	-0.0147845	0.7853449	0.90650187
Ankrd13c	0.38694958	0.36591822	0.38070796	-0.0147897	0.56855751	0.90650187
Csrnp2	0.05256457	0.04749356	0.06229707	-0.0148035	0.85460705	0.91621818
2610035D17	0.05875292	0.05453983	0.06934929	-0.0148095	0.82877984	0.90967191
Sirt4	0.12499922	0.12677637	0.14158756	-0.0148112	0.67905073	0.90650187
Pwwp2b	0.06096289	0.05703762	0.07185395	-0.0148163	0.82034669	0.9092537
Tmem151b	0.04774268	0.04194526	0.05676219	-0.0148169	0.87706906	0.9247416
Slc12a7	0.10049751	0.10065044	0.11547159	-0.0148211	0.71586725	0.90650187
Dnaaf5	0.0413614	0.03454284	0.04938302	-0.0148402	0.90921829	0.93919616
Mxi1	0.09939555	0.0994372	0.11428322	-0.014846	0.71820212	0.90650187
Itfg1	0.77953405	0.62615021	0.640999	-0.0148488	0.54101168	0.90650187
Rabl3	0.13730855	0.13956825	0.15443042	-0.0148622	0.66561582	0.90650187
Aida	0.47003774	0.42910687	0.44396983	-0.014863	0.55915505	0.90650187
Gm15013	0.05534411	0.05059739	0.06547171	-0.0148743	0.84374852	0.91300169
Dph5	0.15841295	0.16115883	0.17603361	-0.0148748	0.64641227	0.90650187
1190002N15	0.16504466	0.16784026	0.18271587	-0.0148756	0.6412993	0.90650187
Kmt2c	0.42753647	0.39737572	0.41225419	-0.0148785	0.56373441	0.90650187
Atl3	0.10795592	0.10861829	0.12350013	-0.0148818	0.70391638	0.90650187
Nop58	0.85529913	0.66684671	0.68172917	-0.0148825	0.53865651	0.90650187

Zfp51	0.10631143	0.10684964	0.12173592	-0.0148863	0.70664983	0.90650187
Coro7	0.08313156	0.08169191	0.09658426	-0.0148924	0.75347613	0.90650187
Pih1d2	0.07699486	0.07491208	0.08980941	-0.0148973	0.76956796	0.90650187
Lgals8	0.23998416	0.23999609	0.25489427	-0.0148982	0.60250596	0.90650187
Rnf168	0.17456547	0.17732397	0.19222228	-0.0148988	0.63479145	0.90650187
Ngrn	0.54122103	0.47937641	0.49428341	-0.014907	0.55332806	0.90650187
Prox1os	0.05479354	0.04993144	0.06484379	-0.0149124	0.84669746	0.91417346
Pex2	0.36242625	0.34610182	0.36101786	-0.014916	0.57286679	0.90650187
Mfsd6l	0.06369208	0.06001321	0.0749371	-0.0149239	0.81201669	0.9092537
Mthfsd	0.31771615	0.30889535	0.32383019	-0.0149348	0.58122511	0.90650187
Txnl4b	0.05309493	0.04796695	0.06290371	-0.0149368	0.854431	0.91621818
Rapgef4	0.27844447	0.27476791	0.28971198	-0.0149441	0.59068815	0.90650187
Casp2	0.27592282	0.27252532	0.2874729	-0.0149476	0.59140317	0.90650187
Gm20186	0.06462102	0.06102296	0.07598402	-0.0149611	0.80930236	0.9092537
Abcb6	0.10526949	0.10565439	0.12061638	-0.014962	0.7093408	0.90650187
Fam219a	0.2618814	0.25993034	0.27489294	-0.0149626	0.5956011	0.90650187
BC026585	0.11079103	0.11157021	0.12653372	-0.0149635	0.70046012	0.90650187
Rab4b	0.1219462	0.12339895	0.13837364	-0.0149747	0.68477733	0.90650187
Rbm19	0.09421058	0.09370345	0.10868075	-0.0149773	0.72994593	0.90650187
Megf9	0.14140462	0.14368514	0.15866414	-0.014979	0.66264631	0.90650187
Zbtb10	0.08066002	0.07887768	0.09386216	-0.0149845	0.76105857	0.90650187
Ddx51	0.08233899	0.08072613	0.09571229	-0.0149862	0.75680789	0.90650187
Reep3	0.39230378	0.36995443	0.38494326	-0.0149888	0.56871435	0.90650187
Hectd3	0.07493904	0.07253753	0.08752777	-0.0149902	0.77678088	0.90650187
Actr6	0.15752143	0.16014078	0.1751315	-0.0149907	0.64822411	0.90650187
Gm10320	0.3011249	0.29459591	0.30958729	-0.0149914	0.58522277	0.90650187
Tbc1d22a	0.0674932	0.06421002	0.07921296	-0.0150029	0.80010558	0.90805731
Unc119b	0.1591405	0.16176192	0.17676915	-0.0150072	0.64706925	0.90650187
Ankra2	0.50851669	0.45657335	0.47158571	-0.0150124	0.55627062	0.90650187
Abat	0.1499129	0.15238084	0.16739554	-0.0150147	0.65496235	0.90650187

Sh3bp4	0.17518629	0.17781169	0.1928391	-0.0150274	0.63549155	0.90650187
Cml1	0.09237342	0.0916558	0.10668674	-0.0150309	0.73445244	0.90650187
Oxsr1	0.09293234	0.09226245	0.10729387	-0.0150314	0.73329557	0.90650187
Gm13157	0.05974501	0.05543657	0.07047457	-0.015038	0.82859094	0.9096066
Rapgef6	0.25930906	0.25752857	0.27256789	-0.0150393	0.59688509	0.90650187
Galt	0.24130326	0.24106742	0.25611249	-0.0150451	0.60301263	0.90650187
Gm9726	0.07776875	0.07562085	0.09066674	-0.0150459	0.76966251	0.90650187
Gas2	0.07689855	0.07465072	0.08970266	-0.0150519	0.77215549	0.90650187
Mlh3	0.09350374	0.09286183	0.10791412	-0.0150523	0.73240096	0.90650187
Zscan2	0.10831809	0.10883388	0.1238882	-0.0150543	0.70547369	0.90650187
Papd5	0.06602702	0.06250674	0.07756618	-0.0150594	0.80596223	0.9092537
Atr	0.15813744	0.16069462	0.17575493	-0.0150603	0.64837637	0.90650187
Poc1b	0.13118655	0.13298626	0.1480657	-0.0150794	0.6746368	0.90650187
Hps5	0.07340774	0.07074093	0.08582431	-0.0150834	0.78268789	0.90650187
Ago1	0.16531903	0.16790542	0.18299125	-0.0150858	0.64300266	0.90650187
2310033P09I	0.38605451	0.36491056	0.37999777	-0.0150872	0.57005166	0.90650187
Itpr3	0.22864358	0.22925389	0.2443497	-0.0150958	0.60820649	0.90650187
Ddx24	0.84516156	0.66133016	0.67642775	-0.0150976	0.53951983	0.90650187
6330408A02I	0.0844753	0.08295665	0.0980606	-0.015104	0.75324673	0.90650187
2700046G09	0.12969186	0.13140046	0.14650496	-0.0151045	0.67664491	0.90650187
Zdhhc21	0.2729051	0.26967993	0.28478556	-0.0151056	0.59320778	0.90650187
Dpy19I3	0.08462883	0.08312153	0.09822912	-0.0151076	0.75292778	0.90650187
Mogs	0.10238592	0.1023913	0.11751096	-0.0151197	0.71633845	0.90650187
4930451G09	0.05657897	0.05174593	0.06687838	-0.0151324	0.84276797	0.91273395
Ttc8	0.43727345	0.40450285	0.41963626	-0.0151334	0.56368654	0.90650187
Zbed4	0.12679299	0.12833192	0.14347038	-0.0151385	0.68049509	0.90650187
Tdrd7	0.14570754	0.14794934	0.16309048	-0.0151411	0.66009599	0.90650187
2810454H06I	0.06151511	0.05733362	0.07247868	-0.0151451	0.82354217	0.9092537
Diaph3	0.06332057	0.05936788	0.07451805	-0.0151502	0.81695749	0.9092537
Celf6	0.06657853	0.063025	0.07818599	-0.015161	0.80566854	0.90920323

St6galnac2	0.18620292	0.18854218	0.20370509	-0.0151629	0.62964425	0.90650187
Isoc2b	0.08895635	0.0877976	0.10296543	-0.0151678	0.74372808	0.90650187
Mrps18c	0.80335125	0.63891215	0.65408008	-0.0151679	0.54105514	0.90650187
Arhgef18	0.10056253	0.10036998	0.11554189	-0.0151719	0.72030796	0.90650187
Vps13d	0.11055465	0.111110537	0.12628116	-0.0151758	0.70341544	0.90650187
Usp16	0.52446507	0.46755736	0.48274091	-0.0151835	0.55560154	0.90650187
Ice1	0.11904254	0.12011879	0.13530641	-0.0151876	0.69111103	0.90650187
Tet3	0.50121225	0.45123038	0.46642066	-0.0151903	0.55755906	0.90650187
Nom1	0.30849667	0.30075483	0.31594563	-0.0151908	0.5846277	0.90650187
Pigx	0.49749041	0.44857672	0.46377544	-0.0151987	0.55791702	0.90650187
Usp28	0.07990444	0.0778275	0.09302825	-0.0152007	0.7662059	0.90650187
Exp5	0.04644925	0.04006401	0.05527151	-0.0152075	0.88936758	0.9302877
1700052K11f	0.12563688	0.12702473	0.14225732	-0.0152326	0.68297193	0.90650187
Rcor2	0.15792754	0.16030715	0.17554255	-0.0152354	0.65019085	0.90650187
Wasl	0.52003146	0.46442066	0.4796571	-0.0152364	0.55615032	0.90650187
Ltbp3	0.23512175	0.23515002	0.25038887	-0.0152388	0.60663636	0.90650187
Myh14	0.12810031	0.12960116	0.14484015	-0.015239	0.68001228	0.90650187
Slc39a3	0.19566315	0.19768721	0.21293094	-0.0152437	0.62485649	0.90650187
Abcc4	0.04573377	0.03920194	0.05444583	-0.0152439	0.89337771	0.93181736
Tars	0.37541734	0.35626372	0.37150949	-0.0152458	0.57237966	0.90650187
Yeats2	0.18047849	0.18282644	0.19807551	-0.0152491	0.63391865	0.90650187
Inpp5f	0.08347819	0.0817144	0.09696534	-0.0152509	0.75779138	0.90650187
Aven	0.04179946	0.03463778	0.04989158	-0.0152538	0.91295766	0.9407546
Zfp937	0.07580422	0.07322608	0.08848873	-0.0152626	0.77839497	0.90650187
Pik3r3	0.0603655	0.05591282	0.07117762	-0.0152648	0.82980815	0.90974008
Phlpp2	0.07701108	0.07455947	0.08982739	-0.0152679	0.77506076	0.90650187
Mapk1ip1	0.15290164	0.15516861	0.17044226	-0.0152737	0.65482467	0.90650187
Pou2f1	0.15080909	0.15303426	0.16831019	-0.0152759	0.65670456	0.90650187
Pigh	0.16032313	0.16268517	0.17796346	-0.0152783	0.64864264	0.90650187
Elf1	0.25582129	0.25411768	0.2694053	-0.0152876	0.59958363	0.90650187

Trmt44	0.08266161	0.08077776	0.09606735	-0.0152897	0.76038677	0.90650187
Zbtb44	0.1954592	0.197443	0.21273305	-0.01529	0.62533579	0.90650187
Taz	0.4647087	0.42476772	0.44006391	-0.0152962	0.56140206	0.90650187
Ermp1	0.07912577	0.07686059	0.092168	-0.0153074	0.76984412	0.90650187
Zfp931	0.15386843	0.15611781	0.17142561	-0.0153078	0.65430873	0.90650187
Asns	0.23059229	0.23085931	0.24617078	-0.0153115	0.60892191	0.90650187
Phldb2	0.46477925	0.42480341	0.44011575	-0.0153123	0.56145918	0.90650187
Hectd2	0.05107048	0.04526673	0.06058581	-0.0153191	0.869508	0.92144928
Irak2	0.08299709	0.08111153	0.09643639	-0.0153249	0.7600485	0.90650187
Stk35	0.07221985	0.06917075	0.08450055	-0.0153298	0.7900246	0.90650187
Smug1	0.13220123	0.13378621	0.14912369	-0.0153375	0.67624849	0.90650187
Emc9	0.20248014	0.20417715	0.21951888	-0.0153417	0.62198352	0.90650187
Mettl16	0.44289606	0.40852534	0.42386778	-0.0153424	0.56391962	0.90650187
Usp14	0.65512664	0.55289174	0.56823539	-0.0153437	0.54777488	0.90650187
Epb41l4b	0.08966774	0.0883976	0.10374151	-0.0153439	0.7445793	0.90650187
Krt1	0.07615725	0.07352613	0.08888053	-0.0153544	0.7787544	0.90650187
Pigg	0.06093698	0.05646221	0.07182463	-0.0153624	0.82916268	0.90974008
Zfp667	0.2170615	0.21807832	0.23344525	-0.0153669	0.61510112	0.90650187
Zbtb6	0.10840139	0.10860758	0.12397745	-0.0153699	0.70922959	0.90650187
Eml3	0.11282127	0.1133266	0.12869997	-0.0153734	0.70230204	0.90650187
Lym2	0.49538803	0.44690086	0.46227718	-0.0153763	0.55877743	0.90650187
Xylt1	0.04994899	0.04391624	0.05929909	-0.0153828	0.87559407	0.92418014
Fktn	0.17309331	0.17537468	0.19075951	-0.0153848	0.64003034	0.90650187
Psmc2	1.43366264	0.86583886	0.88122584	-0.015387	0.5309365	0.90650187
Gm12576	0.06687905	0.06312813	0.07852355	-0.0153954	0.80828961	0.9092537
Dcun1d3	0.12693441	0.12822262	0.14361865	-0.015396	0.68316664	0.90650187
Lrrc61	0.07637933	0.0737274	0.08912691	-0.0153995	0.77879205	0.90650187
Upf3a	0.2612932	0.25896187	0.27436185	-0.0154	0.59852562	0.90650187
Dip2a	0.10504257	0.10496805	0.12037238	-0.0154043	0.71529291	0.90650187
Dhx33	0.08441722	0.08258189	0.09799685	-0.015415	0.75781656	0.90650187

Gfm2	0.13046403	0.13189507	0.14731158	-0.0154165	0.67912139	0.90650187
lcmt	0.07086951	0.06757141	0.08299327	-0.0154219	0.79562205	0.9075779
Kdm2a	0.55064503	0.48527242	0.50069604	-0.0154236	0.55446252	0.90650187
Tmem98	0.29619758	0.28988652	0.30531016	-0.0154236	0.58884809	0.90650187
Nat10	0.09110873	0.08988747	0.10531135	-0.0154239	0.74250983	0.90650187
Ttf1	0.31084293	0.30253248	0.31795924	-0.0154268	0.58538609	0.90650187
Pld1	0.11865279	0.11946716	0.13489392	-0.0154268	0.69441677	0.90650187
Atat1	0.37227086	0.3535536	0.36898149	-0.0154279	0.57373061	0.90650187
Lims1	0.59242009	0.51303236	0.5284667	-0.0154343	0.55165266	0.90650187
Cbx2	0.0876027	0.08604838	0.10148674	-0.0154384	0.75056676	0.90650187
Cep170	0.28858229	0.28320745	0.29865448	-0.015447	0.59092926	0.90650187
Bicd1	0.34528722	0.33151168	0.34696426	-0.0154526	0.57847431	0.90650187
Det1	0.08354576	0.08158072	0.09703961	-0.0154589	0.76059163	0.90650187
A930011G23	0.04954317	0.04337197	0.05883301	-0.015461	0.87865407	0.92534436
Slc4a8	0.10261521	0.10229603	0.11775828	-0.0154622	0.72029903	0.90650187
Snx10	0.16409258	0.16627869	0.18175958	-0.0154809	0.64752342	0.90650187
Tmem120b	0.08633555	0.08461204	0.10010021	-0.0154882	0.75422748	0.90650187
Supt16	0.71033978	0.58598565	0.60148393	-0.0154983	0.54559861	0.90650187
Ddx49	0.27063535	0.26725375	0.28275826	-0.0155045	0.5962941	0.90650187
Tmem43	0.21203206	0.2131605	0.22866668	-0.0155062	0.61846898	0.90650187
Sox12	0.14924207	0.15120105	0.16671028	-0.0155092	0.66040889	0.90650187
2810006K23l	0.17880226	0.18090225	0.19642029	-0.015518	0.63728898	0.90650187
Ola1	0.64166286	0.54436487	0.5598831	-0.0155182	0.54903293	0.90650187
Phf21a	0.42330461	0.3934969	0.40902419	-0.0155273	0.56700852	0.90650187
Gatad2a	0.22427634	0.22472557	0.24025457	-0.015529	0.61307574	0.90650187
Rab12	0.23545696	0.23514341	0.25070022	-0.0155568	0.60867418	0.90650187
Qrs1	0.07612551	0.07327864	0.08884532	-0.0155667	0.78198626	0.90650187
Sep-02	1.30414181	0.83626737	0.8518362	-0.0155688	0.53237899	0.90650187
BC003965	0.39197638	0.3691143	0.38468492	-0.0155706	0.57140083	0.90650187
Morn4	0.06973886	0.06615782	0.08172918	-0.0155714	0.8015009	0.90834378

Rbm43	0.08868424	0.08709696	0.10266839	-0.0155714	0.74992465	0.90650187
Prkaca	0.29950898	0.29261508	0.30818705	-0.015572	0.58886489	0.90650187
Mettl25	0.0805378	0.07815191	0.09372733	-0.0155754	0.7699741	0.90650187
Dpp9	0.33461869	0.32251029	0.33808968	-0.0155794	0.58115783	0.90650187
Pycrl	0.53996725	0.47783876	0.49342581	-0.0155871	0.55584158	0.90650187
Foxred1	0.1469397	0.14876302	0.16435402	-0.015591	0.66338545	0.90650187
Jazf1	0.04926078	0.04291673	0.05850855	-0.0155918	0.88193197	0.92680593
Dyrk2	0.04160862	0.03406796	0.04967007	-0.0156021	0.91870766	0.94359967
Ankrd24	0.23581862	0.23542052	0.25103601	-0.0156155	0.60893158	0.90650187
Zak	0.07144103	0.06800814	0.08363154	-0.0156234	0.79687009	0.9075779
Cflar	0.37828329	0.35817696	0.37380525	-0.0156283	0.57372462	0.90650187
Zfp37	0.10201008	0.10147338	0.11710543	-0.0156321	0.72355355	0.90650187
Taf2	0.17157675	0.17361707	0.18924941	-0.0156323	0.64327069	0.90650187
Gtf3c5	0.11911774	0.11974854	0.13538597	-0.0156374	0.69619185	0.90650187
Ercc8	0.08612442	0.08423127	0.09986896	-0.0156377	0.75681766	0.90650187
Ttc30a1	0.07270647	0.06939957	0.08504307	-0.0156435	0.793253	0.90711193
Fam3a	0.37660539	0.3568168	0.37246197	-0.0156452	0.57406639	0.90650187
Sdsl	0.12944519	0.13059697	0.14624714	-0.0156502	0.68286744	0.90650187
Znhit6	0.3302967	0.31881416	0.33446711	-0.015653	0.58240617	0.90650187
Dbr1	0.13346445	0.13478388	0.15043911	-0.0156552	0.67818358	0.90650187
Farp1	0.15358023	0.15546247	0.17113259	-0.0156701	0.65802222	0.90650187
Pcmt2	0.35260757	0.33731999	0.35299643	-0.0156764	0.5782536	0.90650187
Ice2	0.09727298	0.09631705	0.11199422	-0.0156772	0.73312922	0.90650187
Dgat1	0.14703082	0.14876994	0.16444739	-0.0156774	0.66415072	0.90650187
Ap1ar	0.31595351	0.30663751	0.32232852	-0.015691	0.58566708	0.90650187
Mzt2	0.36202216	0.34498886	0.36068929	-0.0157004	0.57672123	0.90650187
Mettl17	0.11406628	0.114323	0.13002587	-0.0157029	0.70432595	0.90650187
Trim46	0.07509292	0.07195962	0.08769876	-0.0157391	0.78751978	0.90650187
Dcbld2	0.15068807	0.15244494	0.16818674	-0.0157418	0.66133013	0.90650187
Ctbp2	0.29719519	0.29043531	0.306178	-0.0157427	0.59040187	0.90650187

Pum1	0.98907566	0.73045321	0.7461997	-0.0157465	0.53737085	0.90650187
BC037034	0.11872675	0.11921955	0.1349722	-0.0157527	0.69806673	0.90650187
BC005561	0.72121517	0.59209562	0.60784866	-0.015753	0.54586169	0.90650187
Nadk	0.40119401	0.37616818	0.39192465	-0.0157565	0.57092353	0.90650187
Uba1	0.96460788	0.71990886	0.73566862	-0.0157598	0.53793606	0.90650187
Exoc6	0.15140901	0.15315878	0.16892196	-0.0157632	0.66087334	0.90650187
Zfp12	0.12015562	0.12071988	0.13648341	-0.0157635	0.69618432	0.90650187
Cpsf1	0.13289557	0.13407657	0.14984695	-0.0157704	0.68006127	0.90650187
Mbtps2	0.1923734	0.193961	0.20973359	-0.0157726	0.63093196	0.90650187
Bzw2	0.7763446	0.6234438	0.63922751	-0.0157837	0.54370419	0.90650187
Spopl	0.20782826	0.20886642	0.22465248	-0.0157861	0.6226269	0.90650187
Txndc11	0.3325026	0.32052936	0.33631801	-0.0157887	0.58265942	0.90650187
A530020G20	0.06586921	0.06158638	0.07738874	-0.0158024	0.81799979	0.9092537
Mettl3	0.18505832	0.18677708	0.20258231	-0.0158052	0.63564461	0.90650187
Plxnb1	0.13599097	0.13725877	0.15306435	-0.0158056	0.67690366	0.90650187
Tmem185b	0.24606633	0.24469039	0.26049702	-0.0158066	0.60632515	0.90650187
Gm21967	0.09183502	0.09029121	0.10610148	-0.0158103	0.74615647	0.90650187
Hmgxb3	0.08066033	0.07805086	0.0938625	-0.0158116	0.77303716	0.90650187
Cul4b	0.18995586	0.19155963	0.20737655	-0.0158169	0.63272267	0.90650187
Emc10	1.4219158	0.86308098	0.87890085	-0.0158199	0.53188898	0.90650187
Tefm	0.14120952	0.14264278	0.15846292	-0.0158201	0.67141617	0.90650187
Gramd3	0.24738479	0.24588616	0.26170678	-0.0158206	0.60593683	0.90650187
Sidt2	0.14228121	0.14374608	0.15956762	-0.0158215	0.67031872	0.90650187
Lysmd1	0.06772427	0.06364302	0.07947222	-0.0158292	0.81204882	0.9092537
Asb1	0.10643981	0.1060374	0.12187377	-0.0158364	0.71825494	0.90650187
Klhl8	0.10203844	0.10129901	0.11713604	-0.015837	0.72609838	0.90650187
Dusp11	0.55443175	0.48741805	0.50325711	-0.0158391	0.55563721	0.90650187
Akap10	0.12320115	0.12385433	0.13969612	-0.0158418	0.69291839	0.90650187
Blvra	0.2935982	0.28720136	0.30304422	-0.0158429	0.59189101	0.90650187
Ccdc166	0.14188502	0.14331302	0.15915939	-0.0158464	0.67097881	0.90650187

B4galt4	0.15925945	0.16102242	0.17688934	-0.0158669	0.65496846	0.90650187
Sv2a	0.10033627	0.09943018	0.11529726	-0.0158671	0.7296647	0.90650187
Bbs9	0.09055603	0.08884241	0.10470956	-0.0158672	0.74973772	0.90650187
Peli1	0.41894144	0.38981226	0.40567979	-0.0158675	0.5690213	0.90650187
Faap24	0.09972116	0.09875803	0.11463381	-0.0158758	0.73094626	0.90650187
Ltn1	0.1724159	0.17420686	0.1900853	-0.0158784	0.6448138	0.90650187
Slc23a2	0.06034636	0.05527311	0.07115594	-0.0158828	0.83947708	0.91213511
Rufy2	0.22106037	0.22134188	0.23722611	-0.0158842	0.61702237	0.90650187
Nfkbib	0.26585734	0.2625863	0.27847426	-0.015888	0.60011232	0.90650187
Bloc1s4	0.20928601	0.21015217	0.22604656	-0.0158944	0.62270449	0.90650187
Hipk3	0.22966458	0.22940777	0.24530431	-0.0158965	0.61336113	0.90650187
Sobp	0.16584676	0.16761961	0.18352071	-0.0159011	0.64995105	0.90650187
Lclat1	0.06213427	0.05725999	0.0731786	-0.0159186	0.83324225	0.91056108
Mob4	1.11333289	0.77802422	0.7939442	-0.01592	0.53551557	0.90650187
Erlin2	0.22268567	0.22283772	0.23875813	-0.0159204	0.61655042	0.90650187
Arfgef2	0.06750496	0.06330219	0.07922617	-0.015924	0.81421596	0.9092537
Enpp4	0.1241933	0.12481512	0.1407403	-0.0159252	0.69252963	0.90650187
Slc4a2	0.26038598	0.25761235	0.27354206	-0.0159297	0.60213982	0.90650187
Scrn2	0.12718402	0.12794831	0.1438803	-0.015932	0.68873432	0.90650187
Usp5	0.51544859	0.46052275	0.47645525	-0.0159325	0.55908884	0.90650187
Nob1	0.44503896	0.40954001	0.42547432	-0.0159343	0.56611475	0.90650187
Gpr137b	0.1166378	0.11681976	0.13275841	-0.0159387	0.70323541	0.90650187
Gm26526	0.09710588	0.09587129	0.11181375	-0.0159425	0.73691293	0.90650187
Twsg1	0.53110335	0.47137891	0.48733484	-0.0159559	0.55786347	0.90650187
Epb41l1	0.09718781	0.09594431	0.11190224	-0.0159579	0.73694983	0.90650187
4931414P19I	0.09229948	0.09064718	0.10660639	-0.0159592	0.74714004	0.90650187
Dnah9	0.14165264	0.14296031	0.15891986	-0.0159596	0.67236413	0.90650187
Fnip2	0.09897872	0.09787167	0.11383419	-0.0159625	0.73348588	0.90650187
Fbxo28	0.19217316	0.19357553	0.20953859	-0.0159631	0.63257273	0.90650187
2510009E07I	0.13731874	0.13847726	0.15444097	-0.0159637	0.67706877	0.90650187

Atp13a2	0.29446092	0.2878285	0.30379696	-0.0159685	0.59238097	0.90650187
Wdr43	0.55735952	0.48926168	0.50523127	-0.0159696	0.55587497	0.90650187
Flywch1	0.18012009	0.18175176	0.19772187	-0.0159701	0.64023014	0.90650187
Kat8	0.23196959	0.23148136	0.24745558	-0.0159742	0.61293664	0.90650187
Aars2	0.07985582	0.07699138	0.09297456	-0.0159832	0.77763804	0.90650187
Ahctf1	0.21059466	0.21130365	0.22729618	-0.0159925	0.62278075	0.90650187
Gpalpp1	0.1097916	0.10946907	0.12546546	-0.0159964	0.71457454	0.90650187
Sdhaf3	0.19223853	0.19360499	0.20960225	-0.0159973	0.63280721	0.90650187
Ufl1	0.40808649	0.38129218	0.39729486	-0.0160027	0.57105666	0.90650187
Lace1	0.06519322	0.06060818	0.07662826	-0.0160201	0.82366143	0.9092537
Atp6v0d1	1.11934682	0.7800279	0.79604849	-0.0160206	0.5356452	0.90650187
Vti1b	0.73387614	0.59916196	0.61518449	-0.0160225	0.54608898	0.90650187
Lancl1	0.37178799	0.35256703	0.36859283	-0.0160258	0.5766331	0.90650187
Zfpm1	0.05148104	0.04502315	0.06105638	-0.0160332	0.87847622	0.92534436
Hps1	0.1287849	0.12952024	0.14555662	-0.0160364	0.68785693	0.90650187
Zxdc	0.1146348	0.11459123	0.13063068	-0.0160394	0.70741629	0.90650187
Cdk12	0.64511526	0.54599378	0.56203404	-0.0160403	0.55048077	0.90650187
Bbx	0.73649653	0.60064494	0.61669319	-0.0160482	0.54605022	0.90650187
Vps37d	0.09054264	0.08864332	0.10469498	-0.0160517	0.75225184	0.90650187
Mgme1	0.10246512	0.10154265	0.11759639	-0.0160537	0.72803962	0.90650187
Nxn	0.14094503	0.14212883	0.15819008	-0.0160613	0.67413796	0.90650187
Mtmr12	0.06891497	0.06473986	0.08080688	-0.016067	0.81163302	0.9092537
Srek1	0.7025819	0.58083465	0.59690717	-0.0160725	0.54764114	0.90650187
Zc3h7a	0.39930516	0.37436328	0.39044666	-0.0160834	0.57264983	0.90650187
C2cd2	0.09602494	0.09456168	0.11064543	-0.0160837	0.74093364	0.90650187
Dffa	0.16027332	0.16182602	0.17791318	-0.0160872	0.6561499	0.90650187
Zdhhc3	0.48715807	0.44028209	0.45638153	-0.0160994	0.56230837	0.90650187
Tmem42	0.23199973	0.23138194	0.24748367	-0.0161017	0.61380076	0.90650187
Arl5b	0.18466274	0.18609208	0.20219394	-0.0161019	0.63834142	0.90650187
Hist2h2aa1	0.10125541	0.10018772	0.11629061	-0.0161029	0.73091688	0.90650187

Trmt10c	0.31518901	0.30556831	0.32167637	-0.0161081	0.58808256	0.90650187
Smarce1	1.00930377	0.73841516	0.75453512	-0.01612	0.53783321	0.90650187
Zbtb26	0.08612622	0.08374876	0.09987094	-0.0161222	0.76351501	0.90650187
Bcl11a	0.15882061	0.16031094	0.17644582	-0.0161349	0.65782088	0.90650187
Wdr7	0.05310127	0.04677481	0.06291096	-0.0161362	0.87291149	0.92289911
Zcrb1	1.21842916	0.81176852	0.8279161	-0.0161476	0.53454764	0.90650187
Slc35f5	0.44855463	0.41195342	0.42810204	-0.0161486	0.56658824	0.90650187
Stx12	0.78334676	0.62696131	0.64311067	-0.0161494	0.54444361	0.90650187
Snx21	0.33743802	0.32428117	0.34044423	-0.0161631	0.58358025	0.90650187
Dvl1	0.07608572	0.07263401	0.08880116	-0.0161672	0.79084822	0.90650187
Fbxo16	0.13962337	0.14065693	0.15682545	-0.0161685	0.67664479	0.90650187
Tmem30b	0.17264536	0.17414476	0.19031373	-0.016169	0.64717204	0.90650187
Tmem62	0.05400816	0.04777461	0.0639473	-0.0161727	0.86956198	0.92144928
Spryd7	0.19312566	0.1942927	0.21046574	-0.016173	0.63368096	0.90650187
Rad9a	0.09023017	0.08817967	0.10435457	-0.0161749	0.75460933	0.90650187
1110037F02I	0.30021358	0.29261288	0.3087979	-0.016185	0.59212221	0.90650187
Mgat5	0.15019602	0.15149753	0.16768459	-0.0161871	0.66609183	0.90650187
Ankib1	0.11217735	0.11182419	0.12801346	-0.0161893	0.71301534	0.90650187
Dnph1	0.13618794	0.1370719	0.1532687	-0.0161968	0.68074857	0.90650187
Coq2	0.53762858	0.47562504	0.49182352	-0.0161985	0.5582045	0.90650187
Gpcpd1	0.27722567	0.27242917	0.2886305	-0.0162013	0.59852829	0.90650187
Zfp810	0.1076628	0.10697867	0.12318591	-0.0162072	0.7206914	0.90650187
1190007I07R	0.19216297	0.19331725	0.20952867	-0.0162114	0.634562	0.90650187
Ccdc149	0.05103197	0.04432111	0.06054165	-0.0162205	0.88318956	0.92745622
Nfx1	0.4823366	0.43667577	0.45290622	-0.0162305	0.56328918	0.90650187
Nme7	0.13313172	0.13386129	0.15009282	-0.0162315	0.68465728	0.90650187
2610037D02I	0.0734976	0.06968663	0.08592437	-0.0162377	0.79957882	0.90799325
Map1s	0.15066963	0.15190185	0.16816793	-0.0162661	0.66640297	0.90650187
Orc3	0.24124064	0.23978104	0.2560547	-0.0162737	0.61123614	0.90650187
Bcl9	0.34243889	0.32831944	0.34460423	-0.0162848	0.58319885	0.90650187

Chfr	0.3435657	0.3292467	0.34553867	-0.016292	0.58301319	0.90650187
Per1	0.1536684	0.15492525	0.17122224	-0.016297	0.66390136	0.90650187
Slc16a9	0.10755643	0.10676595	0.12307186	-0.0163059	0.72207027	0.90650187
C2cd4c	0.05975287	0.0541758	0.07048348	-0.0163077	0.84816028	0.91440801
Ddx39	0.60648441	0.52126932	0.53758035	-0.016311	0.55364926	0.90650187
Pdpk1	0.43785072	0.40375296	0.42007176	-0.0163188	0.56855692	0.90650187
Lmf1	0.21417797	0.21438448	0.23070875	-0.0163243	0.62345137	0.90650187
St5	0.14916406	0.15030136	0.16663056	-0.0163292	0.66845592	0.90650187
Jmjd1c	0.31067806	0.30148772	0.3178179	-0.0163302	0.59034206	0.90650187
Hdac5	0.3242418	0.31302428	0.32936525	-0.016341	0.58728331	0.90650187
Grasp	0.1827962	0.18401767	0.20035912	-0.0163414	0.64154334	0.90650187
Pygo1	0.07835342	0.0749656	0.09131388	-0.0163483	0.78695912	0.90650187
Dnaja3	0.4102377	0.3826128	0.39896359	-0.0163508	0.57228514	0.90650187
Eml1	0.21071767	0.21106225	0.22741355	-0.0163513	0.62538099	0.90650187
Ldlr	0.27093505	0.26667457	0.28302626	-0.0163517	0.60134982	0.90650187
1700086O06	0.07322879	0.06927325	0.08562503	-0.0163518	0.80205259	0.90856259
Cdk20	0.07475052	0.07096264	0.08731824	-0.0163556	0.79749515	0.9075779
Sars	0.97448729	0.72359495	0.73995374	-0.0163588	0.53914613	0.90650187
Nup133	0.10414997	0.10304158	0.11941197	-0.0163704	0.72888885	0.90650187
Adam17	0.17590915	0.17717623	0.19355616	-0.0163799	0.64662145	0.90650187
Slc25a29	0.06872139	0.06420377	0.08059004	-0.0163863	0.81698096	0.9092537
Oard1	0.41136483	0.38344961	0.39983653	-0.0163869	0.57228669	0.90650187
Klf16	0.1107669	0.11011699	0.12650794	-0.016391	0.71769011	0.90650187
Thyn1	0.61129898	0.52427219	0.54067437	-0.0164022	0.5536404	0.90650187
Prpf4	0.21424192	0.21436467	0.23076952	-0.0164049	0.62400918	0.90650187
A230046K03	0.23702104	0.23574345	0.2521515	-0.0164081	0.61381851	0.90650187
Mfsd8	0.10842845	0.10757618	0.12400642	-0.0164302	0.72207644	0.90650187
Ostm1	0.09561639	0.09377043	0.11020343	-0.016433	0.74630501	0.90650187
Lpcat1	0.25654974	0.25363365	0.2700668	-0.0164332	0.60661539	0.90650187
Nudt22	0.14206004	0.14290417	0.15933975	-0.0164356	0.67672336	0.90650187

Crnkl1	0.40198	0.37610291	0.39253887	-0.016436	0.57383314	0.90650187
Wdr24	0.07508055	0.07124682	0.08768502	-0.0164382	0.79769389	0.9075779
Ebag9	0.23152029	0.23059576	0.24703666	-0.0164409	0.6163338	0.90650187
Arrdc1	0.20154674	0.20217676	0.21861984	-0.0164431	0.63094899	0.90650187
Tmem128	0.59792672	0.51559779	0.53204845	-0.0164507	0.55466473	0.90650187
Mre11a	0.13079057	0.1311938	0.14765248	-0.0164587	0.68989309	0.90650187
Zfp24	0.46096056	0.42083897	0.43730475	-0.0164658	0.56646831	0.90650187
Gpt2	0.11384298	0.11332162	0.12978819	-0.0164666	0.71363173	0.90650187
Slc5a3	0.08709419	0.08446241	0.10093059	-0.0164682	0.76588458	0.90650187
Slc25a28	0.06050502	0.05486441	0.07133562	-0.0164712	0.84766711	0.9143112
Mthfs	0.32395773	0.31264927	0.32912511	-0.0164758	0.58805512	0.90650187
Arhgef2	0.48065931	0.43519625	0.45169356	-0.0164973	0.56449192	0.90650187
9530077C05I	0.0622285	0.0567846	0.07328507	-0.0165005	0.84157415	0.91251845
Ccdc90b	0.49981303	0.44892276	0.46542727	-0.0165045	0.56263197	0.90650187
Erlin1	0.15374333	0.15479367	0.17129843	-0.0165048	0.66579759	0.90650187
Scn8a	0.0473659	0.03982217	0.05632821	-0.016506	0.90366318	0.93651361
Ttll12	0.18217325	0.18323871	0.19974591	-0.0165072	0.64333569	0.90650187
Ppp2cb	0.26824982	0.26410657	0.28062206	-0.0165155	0.60319973	0.90650187
Tead3	0.0892812	0.08679848	0.1033199	-0.0165214	0.76141968	0.90650187
Fpgt	0.11917944	0.11892227	0.13545125	-0.016529	0.70626057	0.90650187
Sft2d2	0.1559991	0.15705489	0.17358898	-0.0165341	0.66401193	0.90650187
1110019D14	0.08165097	0.07841817	0.09495461	-0.0165364	0.78059572	0.90650187
Vps35	1.02724096	0.74522274	0.76176841	-0.0165457	0.53846166	0.90650187
Usp2	0.06731564	0.06246584	0.07901371	-0.0165479	0.82408487	0.90929265
Pdss2	0.09132484	0.08899683	0.10554654	-0.0165497	0.75712091	0.90650187
Swt1	0.48189741	0.43603759	0.45258887	-0.0165513	0.5645742	0.90650187
Rbm4	0.05360949	0.04693675	0.06349188	-0.0165551	0.87680558	0.92473192
Fam221a	0.21815262	0.21791164	0.2344785	-0.0165669	0.62327758	0.90650187
D6Wsu163e	0.11557601	0.11506223	0.13163112	-0.0165689	0.7121186	0.90650187
AW554918	0.0855681	0.08266176	0.09925936	-0.0165976	0.77137105	0.90650187

Zfp664	0.68285328	0.56852649	0.58513064	-0.0166042	0.55019428	0.90650187
Ak3	0.35796754	0.34078039	0.35738505	-0.0166047	0.5818192	0.90650187
Pcsk7	0.09007833	0.08757708	0.1041891	-0.016612	0.76077947	0.90650187
Coq9	0.49465822	0.44511051	0.46175639	-0.0166459	0.56366184	0.90650187
Hemk1	0.10340554	0.10196028	0.11861022	-0.0166499	0.73370368	0.90650187
Gprin3	0.13411952	0.13446977	0.15112051	-0.0166507	0.68787116	0.90650187
Bmpr2	0.26213399	0.25846955	0.27512091	-0.0166514	0.60606012	0.90650187
Cacna1h	0.19145078	0.19218245	0.2088348	-0.0166523	0.63851405	0.90650187
Lamtor4	1.17257494	0.79717081	0.8138244	-0.0166536	0.53624261	0.90650187
Brdt	0.06674613	0.0617192	0.07837426	-0.0166551	0.82759942	0.90947782
Ppif	0.16145389	0.16244792	0.1791039	-0.016656	0.66035217	0.90650187
Gm10094	0.37243153	0.3524499	0.36911077	-0.0166609	0.57951977	0.90650187
Stard3nl	0.63385014	0.53832748	0.55498939	-0.0166619	0.5530876	0.90650187
Dennd6a	0.29770243	0.28995534	0.30661885	-0.0166635	0.59545531	0.90650187
Cep83os	0.03796609	0.02876462	0.04543131	-0.0166667	0.94854344	0.96195723
Rcor3	0.38056547	0.35895675	0.37562874	-0.016672	0.57820936	0.90650187
Tbl1xr1	0.21960755	0.21918177	0.23585438	-0.0166726	0.62333865	0.90650187
Mtmr1	0.0590372	0.05299697	0.06967189	-0.0166749	0.85633307	0.9165432
Vps52	0.2632744	0.25947065	0.27614939	-0.0166787	0.60584415	0.90650187
Sf3a1	0.46887987	0.42644192	0.44312304	-0.0166811	0.56645358	0.90650187
Tmem248	0.43424128	0.40066325	0.41734482	-0.0166816	0.57051836	0.90650187
Tmem229a	0.0630739	0.0575453	0.07423971	-0.0166944	0.84126995	0.91251845
Srrd	0.10338825	0.10189431	0.11859159	-0.0166973	0.73431817	0.90650187
Hipk1	0.34953262	0.33376463	0.35046807	-0.0167034	0.58389936	0.90650187
Khynyn	0.0688844	0.06406705	0.08077264	-0.0167056	0.82107007	0.9092537
Sin3a	0.26049464	0.25693118	0.27364028	-0.0167091	0.60698091	0.90650187
Zfp189	0.0614013	0.05563969	0.07234996	-0.0167103	0.84773734	0.91432207
Rcl1	0.22885188	0.22782863	0.24454454	-0.0167159	0.61939055	0.90650187
Mavs	0.1182667	0.11774552	0.13448512	-0.0167396	0.70998904	0.90650187
Glcci1	0.06575854	0.06051182	0.07726428	-0.0167525	0.8324513	0.91029548

Sfxn1	0.55913131	0.48966889	0.50642344	-0.0167545	0.55846507	0.90650187
Prkci	0.08885078	0.08609501	0.1028502	-0.0167552	0.76553707	0.90650187
Spire1	0.05712093	0.0507387	0.06749503	-0.0167563	0.86513125	0.92040222
Trappc13	0.47727766	0.43248624	0.44924286	-0.0167566	0.5658506	0.90650187
Neo1	0.29888464	0.2908793	0.30764542	-0.0167661	0.59571744	0.90650187
Wapl	0.5328777	0.47178421	0.48855805	-0.0167738	0.56065602	0.90650187
Zc3h3	0.14973541	0.15043849	0.16721429	-0.0167758	0.67220355	0.90650187
Urod	0.51836154	0.46171066	0.4784923	-0.0167816	0.56195037	0.90650187
Nvl	0.33082109	0.31811768	0.33490748	-0.0167898	0.5881817	0.90650187
Stam	0.15709452	0.15790615	0.17469919	-0.016793	0.66543268	0.90650187
Cnot8	0.39819429	0.37277748	0.38957614	-0.0167987	0.57600986	0.90650187
Noa1	0.21331418	0.21308353	0.22988733	-0.0168038	0.62739252	0.90650187
Mar-06	0.30687088	0.29774107	0.31454749	-0.0168064	0.5938775	0.90650187
Pno1	0.41210013	0.38359157	0.40040549	-0.0168139	0.57404459	0.90650187
Mettl5	0.27638533	0.27106317	0.28788403	-0.0168209	0.60247312	0.90650187
Wnk2	0.08789673	0.0849871	0.10180815	-0.0168211	0.76868307	0.90650187
Chm	0.1347179	0.13491919	0.15174248	-0.0168233	0.68894871	0.90650187
Fam129b	0.32909453	0.31662927	0.33345666	-0.0168274	0.58875397	0.90650187
Decr1	0.25487551	0.25171596	0.26854569	-0.0168297	0.60972628	0.90650187
Oxnad1	0.2394222	0.23754422	0.25437477	-0.0168305	0.61567481	0.90650187
Hmg20a	0.17211143	0.17294817	0.18978211	-0.0168339	0.6533318	0.90650187
Ino80c	0.0964287	0.09424068	0.111108202	-0.0168413	0.74984633	0.90650187
Wsb2	0.2581482	0.25466356	0.27151656	-0.016853	0.60870227	0.90650187
Rad18	0.05262009	0.045507	0.06236059	-0.0168536	0.88521568	0.92807528
Gm14296	0.09134929	0.0887194	0.10557314	-0.0168537	0.76105439	0.90650187
Spast	0.16383171	0.16463909	0.18149738	-0.0168583	0.66017021	0.90650187
Yipf1	0.46117705	0.42059853	0.43746438	-0.0168658	0.56804314	0.90650187
Rab29	0.07239981	0.06783025	0.08470122	-0.016871	0.81205253	0.9092537
Aldh7a1	0.45520713	0.41616597	0.43305032	-0.0168844	0.56880451	0.90650187
Zfp839	0.05050186	0.04304764	0.05993365	-0.016886	0.89481121	0.93253978

Zfp35	0.09291974	0.0903932	0.1072802	-0.016887	0.75796883	0.90650187
Fam193b	0.13253476	0.13258007	0.14947118	-0.0168911	0.69229965	0.90650187
Coq10b	0.29372004	0.28625662	0.30315057	-0.016894	0.59783391	0.90650187
Saal1	0.18594403	0.18655591	0.20345126	-0.0168954	0.64400311	0.90650187
Klhl20	0.11139131	0.11027173	0.12717473	-0.016903	0.72269719	0.90650187
Eefsec	0.26428487	0.26015633	0.27705966	-0.0169033	0.60689104	0.90650187
CcpG1os	0.22490587	0.22394032	0.24084607	-0.0169057	0.62249916	0.90650187
Prkag2	0.10023313	0.0982765	0.11518572	-0.0169092	0.74299718	0.90650187
Dnajc11	0.33321029	0.31999507	0.33691094	-0.0169159	0.58831327	0.90650187
Gmip	0.1058874	0.10434706	0.12128047	-0.0169334	0.7326028	0.90650187
Rad23a	0.76078915	0.6135844	0.63052041	-0.016936	0.54752498	0.90650187
Faah	0.21558234	0.21509024	0.23204258	-0.0169523	0.62732724	0.90650187
Ikzf2	0.1220017	0.12147316	0.13843217	-0.016959	0.70699298	0.90650187
Eml5	0.17148547	0.17217894	0.18915843	-0.0169795	0.65507272	0.90650187
Med24	0.18317791	0.18374813	0.20073465	-0.0169865	0.64661405	0.90650187
Zfp719	0.12983843	0.12966332	0.14665813	-0.0169948	0.69677899	0.90650187
Ndufaf7	0.2604118	0.25657035	0.27356539	-0.016995	0.60879509	0.90650187
Mns1	0.10801425	0.10654763	0.12356263	-0.017015	0.72978911	0.90650187
Abcd1	0.11215726	0.11095612	0.12799203	-0.0170359	0.72297966	0.90650187
Hmbox1	0.20080337	0.20084809	0.21790317	-0.0170551	0.63606251	0.90650187
Al597479	0.18195266	0.18247238	0.19952867	-0.0170563	0.64803594	0.90650187
Dusp28	0.18633309	0.18677479	0.20383269	-0.0170579	0.64506629	0.90650187
Zfp2	0.07335856	0.06870126	0.08576956	-0.0170683	0.81183638	0.9092537
Polr1a	0.15999412	0.16056006	0.17763135	-0.0170713	0.66539982	0.90650187
1700049G17	0.05905138	0.05260513	0.06968797	-0.0170828	0.8620919	0.91899895
Adam10	0.387053	0.36370211	0.38078998	-0.0170879	0.57906247	0.90650187
Zc3h10	0.08732741	0.08409694	0.10118571	-0.0170888	0.77361256	0.90650187
Aar2	0.20791529	0.20763208	0.22473577	-0.0171037	0.63244507	0.90650187
Wdr20	0.21638003	0.21569327	0.2327993	-0.017106	0.62803818	0.90650187
MarvelD2	0.0899591	0.08694978	0.10405915	-0.0171094	0.76759375	0.90650187

Scnm1	0.28576275	0.27906496	0.29617686	-0.0171119	0.60135237	0.90650187
Tsga10	0.10349041	0.10157877	0.11870166	-0.0171229	0.73933134	0.90650187
Gbe1	0.10942325	0.107948	0.12507142	-0.0171234	0.72861979	0.90650187
Pcgf5	0.08526853	0.08179005	0.09893091	-0.0171409	0.77942413	0.90650187
Sptbn2	0.07054963	0.06548494	0.08263582	-0.0171509	0.82191195	0.9092537
Setd8	0.22814125	0.2267279	0.24387965	-0.0171518	0.62272821	0.90650187
Madd	0.23755396	0.235492	0.25264543	-0.0171534	0.61861136	0.90650187
Unc119	0.38066184	0.35855112	0.37570565	-0.0171545	0.58042628	0.90650187
Sigirr	0.06617674	0.06056887	0.07773448	-0.0171656	0.83687493	0.91092327
Ttbk2	0.1026287	0.10060436	0.11777282	-0.0171685	0.74152787	0.90650187
B9d2	0.36821053	0.34853683	0.36570672	-0.0171699	0.58266687	0.90650187
4933427D14	0.0656234	0.05993784	0.07711228	-0.0171744	0.83894358	0.91188312
Mrps31	0.30272295	0.29379061	0.31096975	-0.0171791	0.59700097	0.90650187
Prkca	0.27263969	0.26736694	0.28454881	-0.0171819	0.60581901	0.90650187
Plxna1	0.1055752	0.10375954	0.120945	-0.0171855	0.73620544	0.90650187
Cldn12	0.10175116	0.09963445	0.11682596	-0.0171915	0.74350611	0.90650187
Gm4944	0.08593006	0.082462	0.09965604	-0.017194	0.77846445	0.90650187
Snap29	0.17802241	0.17845412	0.19564916	-0.017195	0.65199477	0.90650187
Sorcs2	0.07822795	0.07397263	0.09117505	-0.0172024	0.79920173	0.90777025
Mettl15	0.090896	0.0878766	0.10507978	-0.0172032	0.76663637	0.90650187
Cmc4	0.16464762	0.16511095	0.1823172	-0.0172062	0.66259492	0.90650187
Hgh1	0.14995839	0.15023221	0.16744199	-0.0172098	0.67613636	0.90650187
Ankrd16	0.1600594	0.16048094	0.17769726	-0.0172163	0.66666242	0.90650187
Pcnx	0.16013262	0.16055145	0.17777117	-0.0172197	0.66662823	0.90650187
Mtor	0.08297545	0.07919135	0.09641259	-0.0172212	0.78642419	0.90650187
Wdfy3	0.17487689	0.17530803	0.192532	-0.017224	0.65457628	0.90650187
Cdadc1	0.1988455	0.19878098	0.21601285	-0.0172319	0.63856917	0.90650187
Atf2	0.46289847	0.4214997	0.43873254	-0.0172328	0.56930994	0.90650187
BC005537	0.58897373	0.50898004	0.52621504	-0.017235	0.55788372	0.90650187
Klf11	0.1817444	0.18208295	0.19932353	-0.0172406	0.64970518	0.90650187

B630005N14	0.18731742	0.18755176	0.20479699	-0.0172452	0.64592759	0.90650187
Slc35a3	0.12966559	0.12922919	0.14647751	-0.0172483	0.69968271	0.90650187
Mocs1	0.07429428	0.06956014	0.08681094	-0.0172508	0.81149461	0.9092537
Usf2	0.68261716	0.56773759	0.58498846	-0.0172509	0.55215094	0.90650187
Xrcc5	0.32948425	0.31653201	0.33378436	-0.0172524	0.59086887	0.90650187
lws1	0.4227771	0.39136739	0.40862064	-0.0172532	0.57444702	0.90650187
Herc1	0.43560988	0.4011212	0.41837991	-0.0172587	0.5727528	0.90650187
Zfp668	0.12356214	0.12281525	0.14007618	-0.0172609	0.70808929	0.90650187
Usb1	0.16021574	0.16058195	0.17785507	-0.0172731	0.66703961	0.90650187
Kdm1a	0.40531916	0.37786218	0.39514305	-0.0172809	0.57707674	0.90650187
Enox2	0.07613767	0.07157009	0.08885881	-0.0172887	0.80646821	0.9092537
Ncoa2	0.25765028	0.25376887	0.27106523	-0.0172964	0.61166798	0.90650187
Rnf169	0.05924888	0.0526154	0.06991202	-0.0172966	0.86430505	0.92017797
Suv39h1	0.0978111	0.09527769	0.11257512	-0.0172974	0.75272124	0.90650187
Gm15441	0.07871673	0.07441723	0.09171576	-0.0172985	0.79912138	0.90777025
Prkcz	0.21906998	0.21804229	0.23534628	-0.017304	0.62811539	0.90650187
Cd27	0.16080933	0.16114739	0.178454	-0.0173066	0.66681607	0.90650187
Atp5sl	0.12810397	0.12751383	0.14484398	-0.0173301	0.70260357	0.90650187
BC003331	0.24306344	0.24039246	0.25773538	-0.0173429	0.61758459	0.90650187
Dapp1	0.07976532	0.07553129	0.09287461	-0.0173433	0.79677832	0.9075779
Gtf3c4	0.20108182	0.20081872	0.21817169	-0.017353	0.63817885	0.90650187
Kdelc1	0.21456655	0.2137104	0.23107801	-0.0173676	0.63085839	0.90650187
Hn1l	0.48403029	0.43675377	0.45412881	-0.017375	0.56753018	0.90650187
Cep250	0.1332647	0.13285302	0.15023123	-0.0173782	0.69646195	0.90650187
Mkks	0.43611059	0.40138005	0.41875826	-0.0173782	0.57318545	0.90650187
Tmem38a	0.2270322	0.22545636	0.24284097	-0.0173846	0.62485385	0.90650187
Sox13	0.06737599	0.0616934	0.07908143	-0.017388	0.83583369	0.91079271
Mob3c	0.21512958	0.2142162	0.23161278	-0.0173966	0.63077712	0.90650187
Plekhh3	0.05708371	0.05004723	0.06745269	-0.0174055	0.87433859	0.9235672
Ccdc22	0.12279152	0.12185598	0.13926466	-0.0174087	0.71079876	0.90650187

Il17rc	0.12657856	0.1258197	0.1432455	-0.0174258	0.70567989	0.90650187
Lman2	1.24038509	0.81695919	0.83439603	-0.0174368	0.53700941	0.90650187
Ccdc134	0.11062039	0.10891272	0.12635141	-0.0174387	0.73025061	0.90650187
Pigc	0.27325573	0.26765418	0.28509824	-0.0174441	0.60719264	0.90650187
5033430I15R	0.06603511	0.06012684	0.07757527	-0.0174484	0.84132481	0.91251845
Fam163a	0.07754876	0.0729734	0.09042312	-0.0174497	0.80452805	0.90882608
Terf2	0.14664482	0.14659973	0.1640518	-0.0174521	0.68186844	0.90650187
Zbtb33	0.10936496	0.10755265	0.12500905	-0.0174564	0.73263092	0.90650187
Mrps10	0.53204011	0.4705154	0.48798087	-0.0174655	0.5632105	0.90650187
Parva	0.48708762	0.43885621	0.45633086	-0.0174746	0.56758898	0.90650187
Tia1	1.10623767	0.77397668	0.79145289	-0.0174762	0.53909904	0.90650187
Mbip	0.20285689	0.20240213	0.2198815	-0.0174794	0.6381062	0.90650187
Atxn7	0.17767792	0.17782429	0.1953083	-0.017484	0.65467419	0.90650187
Tmem159	0.25207927	0.24850855	0.26599915	-0.0174906	0.61497823	0.90650187
Ccnt2	0.77562193	0.62132369	0.63882549	-0.0175018	0.54846955	0.90650187
Ppp2r3a	0.25343162	0.24972453	0.26723168	-0.0175072	0.61456806	0.90650187
Insr	0.14775758	0.14767809	0.16519175	-0.0175137	0.68129532	0.90650187
Slc36a4	0.0884952	0.08494278	0.10246197	-0.0175192	0.77640865	0.90650187
Smyd3	0.16049425	0.16061692	0.17813614	-0.0175192	0.66902173	0.90650187
Trpc4ap	0.64897108	0.54689861	0.56442877	-0.0175302	0.55490853	0.90650187
Ccdc148	0.07806344	0.07345955	0.09099298	-0.0175334	0.80417347	0.90882608
D430042O09	0.26642704	0.26145261	0.27898618	-0.0175336	0.6100292	0.90650187
Zfyve16	0.15468898	0.15472221	0.17225937	-0.0175372	0.67457887	0.90650187
Borcs6	0.21462655	0.2135799	0.23113501	-0.0175551	0.63218713	0.90650187
Hars2	0.15021883	0.1501496	0.16770788	-0.0175583	0.67919014	0.90650187
Cdc14b	0.18044755	0.18048249	0.19804499	-0.0175625	0.65329564	0.90650187
Zdhhc4	0.23065688	0.2286616	0.24623108	-0.0175695	0.62445788	0.90650187
Galnt1	0.39326696	0.36813297	0.3857028	-0.0175698	0.58024085	0.90650187
lpo4	0.31126812	0.30075365	0.31832363	-0.01757	0.59691761	0.90650187
Gstcd	0.0848768	0.08092323	0.09850123	-0.017578	0.78620976	0.90650187

BC017158	0.05636227	0.04905107	0.0666317	-0.0175806	0.8795948	0.92562058
Mrpl27	0.73813468	0.60005198	0.61763471	-0.0175827	0.55035441	0.90650187
Crocc	0.06745287	0.06156918	0.07916771	-0.0175985	0.83848076	0.9117781
Commd9	0.53066588	0.46943207	0.48703296	-0.0176009	0.5638193	0.90650187
Exosc5	0.40003549	0.3734171	0.39101845	-0.0176014	0.57930471	0.90650187
Nsun5	0.14122938	0.14087942	0.15848341	-0.017604	0.68927925	0.90650187
Nedd4l	0.24898571	0.2455629	0.263173	-0.0176101	0.61694834	0.90650187
Zfp866	0.11161561	0.10980125	0.12741415	-0.0176129	0.73056791	0.90650187
Lin52	0.07794624	0.07324992	0.09086325	-0.0176133	0.80558907	0.90918104
2700033N17	0.12461664	0.12356631	0.14118549	-0.0176192	0.71047998	0.90650187
Tysnd1	0.25322798	0.24942014	0.2670462	-0.0176261	0.61540202	0.90650187
Cutc	0.11176178	0.10993628	0.12757013	-0.0176339	0.73056097	0.90650187
Zfp524	0.15239086	0.15228594	0.1699223	-0.0176364	0.6777488	0.90650187
Fam35a	0.07435955	0.06924477	0.08688353	-0.0176388	0.81661219	0.9092537
Pex5	0.22460325	0.22292153	0.24056178	-0.0176403	0.62778544	0.90650187
Zcchc2	0.07863799	0.07398512	0.09162868	-0.0176436	0.80400767	0.90882608
Dhx57	0.12553163	0.12449575	0.14214681	-0.0176511	0.70953703	0.90650187
Golga2	0.24685025	0.24355606	0.26121652	-0.0176605	0.6181253	0.90650187
Arl6ip6	0.68104064	0.56637265	0.58403845	-0.0176658	0.55348422	0.90650187
Pkdcc	0.30711369	0.29708935	0.31475645	-0.0176671	0.59852435	0.90650187
Elk4	0.16455467	0.16455643	0.18222384	-0.0176674	0.66677356	0.90650187
Ldlrad3	0.18597602	0.18580969	0.20348263	-0.0176729	0.65029286	0.90650187
Rnf115	0.46041767	0.41922772	0.43690429	-0.0176766	0.57137008	0.90650187
N6amt1	0.45902439	0.41819398	0.43587561	-0.0176816	0.57155697	0.90650187
Baz1a	0.14160799	0.14119217	0.15887383	-0.0176817	0.68961804	0.90650187
Dis3	0.12787123	0.12689803	0.14460028	-0.0177023	0.70686182	0.90650187
Serinc5	0.06432624	0.05793749	0.07565194	-0.0177144	0.85105545	0.91505486
Capn1	0.07448646	0.06930817	0.08702466	-0.0177165	0.81727715	0.9092537
Shc2	0.05945513	0.0524294	0.07014592	-0.0177165	0.86924134	0.92141903
Pdk1	0.2073716	0.20649664	0.22421531	-0.0177187	0.63732402	0.90650187

Cyfp1	0.44229082	0.40569418	0.42341337	-0.0177192	0.57379398	0.90650187
Cdc42se2	0.45360215	0.41413577	0.43185937	-0.0177236	0.57238466	0.90650187
Syde2	0.07703211	0.07212389	0.0898507	-0.0177268	0.80977895	0.9092537
Clstn3	0.05287176	0.04492104	0.06264849	-0.0177274	0.89579671	0.93322571
Slc25a11	1.06614305	0.75913525	0.77686313	-0.0177279	0.54040257	0.90650187
Aasdhpt	0.47373676	0.42892799	0.4466684	-0.0177404	0.57007576	0.90650187
Ppp2r1b	0.21721637	0.2158473	0.23359198	-0.0177447	0.63220834	0.90650187
Kansl3	0.30957476	0.29911019	0.31687147	-0.0177613	0.59839122	0.90650187
Gpsm1	0.29072796	0.28277208	0.30053509	-0.017763	0.60363064	0.90650187
Unc13a	0.10655692	0.10423593	0.12199949	-0.0177636	0.74127988	0.90650187
Nudt13	0.14606908	0.14569326	0.16346141	-0.0177682	0.68553546	0.90650187
Ehbp1	0.16998348	0.16988733	0.18766017	-0.0177728	0.6631344	0.90650187
Dcxr	0.09418761	0.090883	0.10865585	-0.0177729	0.76643862	0.90650187
Pold3	0.2025004	0.20176305	0.21953839	-0.0177753	0.64055656	0.90650187
Ormdl1	0.25276494	0.24884669	0.26662428	-0.0177776	0.6165445	0.90650187
Slc15a4	0.15169235	0.15142677	0.16921075	-0.017784	0.67983282	0.90650187
Tfrc	0.1155017	0.11375841	0.13155217	-0.0177938	0.72618433	0.90650187
Aaas	0.11144784	0.10943165	0.12723508	-0.0178034	0.7330467	0.90650187
Gadd45gip1	0.95483212	0.71332889	0.73113424	-0.0178054	0.5431069	0.90650187
Arhgap1	0.37893829	0.35652366	0.37432903	-0.0178054	0.58373589	0.90650187
Mtmr3	0.2237595	0.22195918	0.23976866	-0.0178095	0.6293792	0.90650187
Cdipt	0.51982812	0.46169557	0.47951536	-0.0178198	0.5656099	0.90650187
Pelo	0.29319232	0.28486459	0.30268986	-0.0178253	0.60326211	0.90650187
A430105119F	0.06911286	0.06319441	0.0810285	-0.0178341	0.83607708	0.91079271
Cipc	0.09731522	0.09419998	0.11203984	-0.0178399	0.76048519	0.90650187
Fastk	0.4275127	0.39437282	0.41223608	-0.0178633	0.57637941	0.90650187
Dynlrb2	0.0848876	0.08064943	0.09851307	-0.0178636	0.78991716	0.90650187
Scyl2	0.18138525	0.18110276	0.19896963	-0.0178669	0.65512778	0.90650187
Chpt1	0.18496047	0.18461081	0.20248626	-0.0178754	0.6526398	0.90650187
Lrfn1	0.06088194	0.05388104	0.07176233	-0.0178813	0.86601042	0.92051076

Bcl2l2	0.12357102	0.12219921	0.14008553	-0.0178863	0.71485391	0.90650187
Ift52	0.33816076	0.32315756	0.34104675	-0.0178892	0.59219257	0.90650187
Rnf138	0.53764645	0.47394437	0.49183577	-0.0178914	0.56423558	0.90650187
D930016D06	0.16904152	0.16881759	0.18671928	-0.0179017	0.66502697	0.90650187
Elmo3	0.12827367	0.12710425	0.14502164	-0.0179174	0.70858428	0.90650187
9330151L19F	0.13254481	0.13156339	0.14948166	-0.0179183	0.70294583	0.90650187
Spsb3	0.22151045	0.21972231	0.23765063	-0.0179283	0.63132911	0.90650187
Atrnl1	0.11778987	0.11604998	0.13398	-0.01793	0.7240576	0.90650187
Grhpr	0.48218985	0.43486899	0.45280019	-0.0179312	0.56987233	0.90650187
Ccdc86	0.4288641	0.39532573	0.41326479	-0.0179391	0.57651097	0.90650187
Vps13b	0.15879531	0.15848092	0.17642024	-0.0179393	0.67438437	0.90650187
Homez	0.13367854	0.13271711	0.15066185	-0.0179447	0.70177021	0.90650187
Trmt2b	0.11243785	0.1103462	0.12829125	-0.017945	0.73297635	0.90650187
Hnrnp2	0.97346998	0.72156851	0.73951432	-0.0179458	0.54295519	0.90650187
Cpt1c	0.18229598	0.18191852	0.19986676	-0.0179482	0.65513443	0.90650187
Zbtb24	0.1455975	0.14502706	0.16297756	-0.0179505	0.68780682	0.90650187
Zfp882	0.07448833	0.06907371	0.08702674	-0.017953	0.82045456	0.9092537
Stk40	0.15426542	0.15387166	0.17182908	-0.0179574	0.67889069	0.90650187
Lrp12	0.11992541	0.11828044	0.1362401	-0.0179597	0.72107428	0.90650187
Cep192	0.07835876	0.07335736	0.09131979	-0.0179624	0.80906123	0.9092537
Dnm2	0.6550967	0.55024998	0.56821693	-0.0179669	0.55589499	0.90650187
Add1	0.56692764	0.49366927	0.51164681	-0.0179775	0.56206371	0.90650187
BC051226	0.07867335	0.0736774	0.09166779	-0.0179904	0.80852631	0.9092537
Ascc2	0.15863552	0.15826615	0.17625869	-0.0179925	0.67501676	0.90650187
Topors	0.61320184	0.52389752	0.54189363	-0.0179961	0.55868542	0.90650187
Cs	0.46790487	0.42441269	0.44240905	-0.0179964	0.57175295	0.90650187
Top2b	0.64786365	0.54574221	0.5637418	-0.0179996	0.5564374	0.90650187
5031439G07	0.13789299	0.13703417	0.1550357	-0.0180015	0.69713873	0.90650187
Arhgap21	0.15605148	0.15563332	0.1736421	-0.0180088	0.67762322	0.90650187
Kcnh8	0.08408283	0.07962005	0.09762966	-0.0180096	0.79391334	0.90731056

Zcchc8	0.23685469	0.23398178	0.25199727	-0.0180155	0.62468929	0.90650187
Ncor1	0.80617736	0.63759646	0.65561533	-0.0180189	0.54862281	0.90650187
Tab1	0.14200848	0.14125931	0.15928663	-0.0180273	0.6925646	0.90650187
Lrch2	0.09914119	0.09597426	0.11400924	-0.018035	0.75904852	0.90650187
Wdyhvj1	0.09015044	0.08622964	0.10426769	-0.018038	0.77907666	0.90650187
D3Erttd254e	0.15835777	0.15793879	0.1759778	-0.018039	0.67569973	0.90650187
Zfp1	0.15835555	0.15792752	0.17597556	-0.018048	0.67578381	0.90650187
Rap1gap	0.16458081	0.16419671	0.1822501	-0.0180534	0.670167	0.90650187
Ddhd1	0.12665344	0.1252688	0.14332403	-0.0180552	0.71227219	0.90650187
Inpp5e	0.11146208	0.10918933	0.12725029	-0.018061	0.735972	0.90650187
Mks1	0.10698817	0.10440034	0.12246233	-0.018062	0.74398599	0.90650187
Trpm4	0.08736013	0.08315645	0.1012215	-0.018065	0.78623026	0.90650187
Gcc1	0.11532247	0.11329217	0.13136173	-0.0180696	0.72957183	0.90650187
Zbtb37	0.11574837	0.1137446	0.13181421	-0.0180696	0.72887733	0.90650187
Pik3c3	0.09948812	0.09631265	0.11438291	-0.0180703	0.75875978	0.90650187
Gm12184	0.05745014	0.04979614	0.0678694	-0.0180733	0.88176205	0.92669144
Alg6	0.14859088	0.1479642	0.16604447	-0.0180803	0.6858333	0.90650187
Grb2	0.45319912	0.41347685	0.43156001	-0.0180832	0.57388706	0.90650187
Asap1	0.4836877	0.43579028	0.45388167	-0.0180914	0.5703238	0.90650187
Cchcr1	0.07586243	0.07046163	0.08855334	-0.0180917	0.81812711	0.9092537
Sco1	0.07678925	0.07148233	0.08958149	-0.0180992	0.81545953	0.9092537
Wdr48	0.17343102	0.17298598	0.19109543	-0.0181095	0.66323008	0.90650187
Plagl2	0.11638653	0.11437836	0.13249177	-0.0181134	0.72833141	0.90650187
Ranbp10	0.13429867	0.13318988	0.15130676	-0.0181169	0.70274076	0.90650187
Fxn	0.25559843	0.25108554	0.26920282	-0.0181173	0.61760176	0.90650187
Ncdn	0.10268594	0.09971384	0.11783455	-0.0181207	0.75290171	0.90650187
Fbxo38	0.18817029	0.18749819	0.20563165	-0.0181335	0.65248274	0.90650187
Vps37c	0.0872585	0.08297301	0.10111034	-0.0181373	0.78740798	0.90650187
Tet2	0.23903371	0.23587802	0.25401545	-0.0181374	0.62454092	0.90650187
Herc4	0.09812188	0.09476929	0.11291042	-0.0181411	0.7624693	0.90650187

Hist3h2a	0.44311494	0.40588689	0.42403205	-0.0181452	0.57543797	0.90650187
Dhx8	0.19507244	0.19421174	0.21235767	-0.0181459	0.64798138	0.90650187
Lmtk2	0.11996784	0.11813263	0.13628495	-0.0181523	0.72311746	0.90650187
Ifrd2	0.2025653	0.20143963	0.21960086	-0.0181612	0.64343533	0.90650187
Galnt7	0.12253214	0.1208288	0.13899135	-0.0181625	0.71935442	0.90650187
Tango6	0.09064773	0.08664318	0.10480944	-0.0181663	0.77951075	0.90650187
Fahd1	0.21561554	0.21390776	0.23207409	-0.0181663	0.63607756	0.90650187
Ift172	0.06453137	0.05771176	0.07588304	-0.0181713	0.85646344	0.91657988
Mark2	0.45061562	0.41146338	0.4296384	-0.018175	0.57458627	0.90650187
2700049A03	0.20564719	0.20438299	0.22256251	-0.0181795	0.6417459	0.90650187
Bahd1	0.08136549	0.07645621	0.09464003	-0.0181838	0.80349299	0.90882608
Aptx	0.23168126	0.22900085	0.24718677	-0.0181859	0.62819263	0.90650187
Tada1	0.319739	0.30736379	0.32555022	-0.0181864	0.59806738	0.90650187
Armcx5	0.15983797	0.15928173	0.17747369	-0.018192	0.67569619	0.90650187
Ftsj3	0.29138443	0.28291454	0.30110963	-0.0181951	0.60589425	0.90650187
Noct	0.20181452	0.20067076	0.21887785	-0.0182071	0.64423517	0.90650187
Ippk	0.12935403	0.12793893	0.14615184	-0.0182129	0.71020896	0.90650187
Gm16124	0.05232098	0.04380313	0.06201829	-0.0182152	0.90417313	0.93677316
1700007L15F	0.08842325	0.08416593	0.10238339	-0.0182175	0.78553485	0.90650187
Bach1	0.13808751	0.13700507	0.15523707	-0.018232	0.69920648	0.90650187
Znrf3	0.17068851	0.17010969	0.18836377	-0.0182541	0.66669954	0.90650187
Wdr11	0.15961085	0.15898882	0.17724433	-0.0182555	0.67648105	0.90650187
Usp24	0.10970254	0.10711085	0.1253702	-0.0182594	0.74133726	0.90650187
Rad54l2	0.12244885	0.1206401	0.13890357	-0.0182635	0.7205654	0.90650187
Vmac	0.2243357	0.22204678	0.24031037	-0.0182636	0.63226796	0.90650187
Pgp	0.7434455	0.60240591	0.6206775	-0.0182716	0.55206106	0.90650187
Tank	0.14894318	0.14813249	0.16640476	-0.0182723	0.68727995	0.90650187
Fam172a	0.31894642	0.30660273	0.32487672	-0.018274	0.59872988	0.90650187
Fam126b	0.17848246	0.17782723	0.19610414	-0.0182769	0.66068396	0.90650187
Rreb1	0.21599598	0.21415484	0.23243505	-0.0182802	0.63669238	0.90650187

Fam117a	0.10388832	0.10084947	0.11913025	-0.0182808	0.75243973	0.90650187
Kctd9	0.10632086	0.1034616	0.12174604	-0.0182844	0.74782599	0.90650187
AU040320	0.11476667	0.11248485	0.13077091	-0.0182861	0.73291127	0.90650187
Mtif2	0.23397001	0.23103105	0.24931825	-0.0182872	0.62781808	0.90650187
Ptch1	0.17672476	0.17607401	0.19436454	-0.0182905	0.66215452	0.90650187
Eral1	0.14073987	0.13968558	0.15797839	-0.0182928	0.69664335	0.90650187
Fzd3	0.15498894	0.15426601	0.17256396	-0.0182979	0.68132002	0.90650187
Sorl1	0.09119815	0.08710957	0.10540867	-0.0182991	0.77987278	0.90650187
Slc25a51	0.71147052	0.58383955	0.60214854	-0.018309	0.55376265	0.90650187
Tbp	0.12214173	0.12026506	0.13857982	-0.0183148	0.7215771	0.90650187
Pi4k2b	0.35689689	0.33819456	0.3565103	-0.0183157	0.5903298	0.90650187
Gtpbp2	0.42849602	0.39465811	0.41298474	-0.0183266	0.57819518	0.90650187
Snhg9	0.43540936	0.3998992	0.41822833	-0.0183291	0.57723763	0.90650187
Ubp1	0.27056756	0.26436575	0.28269763	-0.0183319	0.61343415	0.90650187
Naa40	0.13168379	0.1302461	0.14858431	-0.0183382	0.70838574	0.90650187
Prdm15	0.07794706	0.07252343	0.09086415	-0.0183407	0.8152301	0.9092537
Qser1	0.18790634	0.18703266	0.20537342	-0.0183408	0.65432082	0.90650187
Imp4	0.43155291	0.39696072	0.41530761	-0.0183469	0.57784827	0.90650187
Rgl3	0.09228996	0.08824822	0.10659604	-0.0183478	0.77792348	0.90650187
Mtmr10	0.05907577	0.05136678	0.06971565	-0.0183489	0.87901264	0.92549228
Tinf2	0.05580724	0.04763455	0.06599953	-0.018365	0.89196223	0.93142254
Polg	0.18345019	0.18263405	0.20100243	-0.0183684	0.65772301	0.90650187
Fbxl2	0.10472743	0.10164662	0.12003341	-0.0183868	0.75205816	0.90650187
Nova2	0.06796033	0.06134702	0.07973699	-0.01839	0.84738981	0.9143112
Asf1a	0.50293124	0.44924799	0.46763932	-0.0183913	0.5693961	0.90650187
Wrap73	0.24857904	0.24439916	0.2628008	-0.0184016	0.62220872	0.90650187
Chml	0.05820681	0.05032324	0.06872924	-0.018406	0.88308548	0.92745622
Wdr36	0.19783479	0.19662292	0.21503526	-0.0184123	0.64826995	0.90650187
Spen	0.23370522	0.23065828	0.24907192	-0.0184136	0.62879339	0.90650187
Map2k5	0.22629812	0.22373604	0.24215278	-0.0184167	0.6323588	0.90650187

Pacs1	0.06214154	0.0547683	0.07318681	-0.0184185	0.86838745	0.92097661
Axin2	0.11904858	0.11688178	0.1353128	-0.018431	0.72758927	0.90650187
Rbbp8	0.16935048	0.16859632	0.187028	-0.0184317	0.66934893	0.90650187
Stk25	0.64594009	0.54410837	0.56254699	-0.0184386	0.55792631	0.90650187
Dok1	0.11521495	0.11280762	0.13124747	-0.0184398	0.73388099	0.90650187
Ivd	0.33771034	0.32222545	0.3406713	-0.0184458	0.59511004	0.90650187
Gm18025	0.07511451	0.06927683	0.08772275	-0.0184459	0.82505454	0.90934433
Spsb2	0.17939836	0.17855718	0.19700927	-0.0184521	0.661434	0.90650187
Atf7	0.23884254	0.23536993	0.25383858	-0.0184686	0.62682313	0.90650187
Dirc2	0.1238213	0.12187574	0.14034893	-0.0184732	0.72077503	0.90650187
1700030K09I	0.10596483	0.10287622	0.12136366	-0.0184874	0.75086147	0.90650187
Rev3l	0.42388524	0.39097401	0.40946814	-0.0184941	0.57956912	0.90650187
Herc3	0.06837289	0.0617023	0.08019951	-0.0184972	0.84739735	0.9143112
Aco1	0.19903153	0.19769329	0.21619263	-0.0184993	0.64817762	0.90650187
Alkbh7	0.36829334	0.34727104	0.36577364	-0.0185026	0.5889638	0.90650187
Fnbp1l	0.34295968	0.32653277	0.34503624	-0.0185035	0.59421739	0.90650187
Aagab	0.19470548	0.19349016	0.21200136	-0.0185112	0.65105648	0.90650187
Polr1e	0.10588316	0.10276012	0.12127592	-0.0185158	0.75134642	0.90650187
1700017B05I	0.12264341	0.12058617	0.13910861	-0.0185224	0.72305343	0.90650187
L2hgdh	0.06274265	0.05534121	0.07386578	-0.0185246	0.86755337	0.92056229
Tmem143	0.07088753	0.0644743	0.0830134	-0.0185391	0.83960159	0.91213511
Zw10	0.10752441	0.10449652	0.12303753	-0.018541	0.74854743	0.90650187
Tango2	0.18026419	0.17930887	0.19786407	-0.0185552	0.66162345	0.90650187
Zfp948	0.22833847	0.22550288	0.24406423	-0.0185614	0.63235352	0.90650187
Thns1	0.10591755	0.10274611	0.12131286	-0.0185668	0.75187228	0.90650187
Smad4	0.29295221	0.28391275	0.30248016	-0.0185674	0.60753055	0.90650187
Ndufb8	2.17440155	0.9031382	0.92171263	-0.0185744	0.53569279	0.90650187
Frg1	0.79147615	0.6290059	0.64759099	-0.0185851	0.55076073	0.90650187
9830147E19I	0.06873561	0.06201378	0.08060597	-0.0185922	0.84741323	0.9143112
9330160F10I	0.09575203	0.09174719	0.1103502	-0.018603	0.77320617	0.90650187

Map2k3	0.32839576	0.31426527	0.33286876	-0.0186035	0.59810983	0.90650187
Umad1	0.19112173	0.18990089	0.20851403	-0.0186131	0.65425723	0.90650187
Mrpl50	0.6431762	0.54221053	0.56082673	-0.0186162	0.55865831	0.90650187
Abcb7	0.06828319	0.06148146	0.08009897	-0.0186175	0.84926786	0.91448046
Ncor2	0.30816944	0.29704537	0.31566441	-0.018619	0.60342335	0.90650187
Ints9	0.12286859	0.1207096	0.13934585	-0.0186363	0.72393111	0.90650187
Lipe	0.07978284	0.07425417	0.09289397	-0.0186398	0.81381443	0.9092537
Fbrsl1	0.13319266	0.13150893	0.15015625	-0.0186473	0.70955407	0.90650187
Trim13	0.10236444	0.09883586	0.11748779	-0.0186519	0.75983384	0.90650187
Nck2	0.10447607	0.10110208	0.11976296	-0.0186609	0.7557488	0.90650187
Tti1	0.07665139	0.07076612	0.08942864	-0.0186625	0.82322789	0.9092537
Rtn2	0.17609558	0.17507672	0.193741	-0.0186643	0.66577381	0.90650187
Ret	0.12210895	0.11987491	0.13854526	-0.0186704	0.72544349	0.90650187
Gapvd1	0.54220135	0.4762785	0.49495329	-0.0186748	0.56660392	0.90650187
Kif1c	0.09817423	0.09429037	0.11296689	-0.0186765	0.76882439	0.90650187
0610040B10	0.07231675	0.06592566	0.08460861	-0.018683	0.83686681	0.91092327
Hexim1	0.21728135	0.21496561	0.23365354	-0.0186879	0.63891712	0.90650187
Flcn	0.11514976	0.1124901	0.13117818	-0.0186881	0.73674286	0.90650187
Eif2ak2	0.19317761	0.19181072	0.21051627	-0.0187056	0.65358489	0.90650187
Ogg1	0.10828869	0.10514807	0.1238567	-0.0187086	0.74905268	0.90650187
Fgfbp3	0.08556208	0.08054214	0.09925276	-0.0187106	0.79900236	0.90777025
Nhs1	0.07724455	0.07137325	0.09008612	-0.0187129	0.82211375	0.9092537
Knop1	0.97910049	0.72322764	0.74194117	-0.0187135	0.54463936	0.90650187
Smg5	0.25887456	0.25345632	0.27217454	-0.0187182	0.62009756	0.90650187
Rnf149	0.29148328	0.28247369	0.30119611	-0.0187224	0.6088565	0.90650187
Rbm48	0.13189193	0.13006918	0.14880131	-0.0187321	0.71213864	0.90650187
Mesdc2	0.83054254	0.64996781	0.66870207	-0.0187343	0.54955907	0.90650187
Sugp2	0.12899292	0.12703859	0.14577423	-0.0187356	0.71612619	0.90650187
Zfp954	0.11464227	0.11190087	0.13063863	-0.0187378	0.7381467	0.90650187
D630039A03	0.08730145	0.08241604	0.10115732	-0.0187413	0.79492544	0.90731056

Zfp160	0.09810262	0.09414723	0.11288965	-0.0187424	0.76976665	0.90650187
Fam171a1	0.16613804	0.16506823	0.18381281	-0.0187446	0.67485067	0.90650187
Ptk2b	0.0934629	0.0891244	0.1078698	-0.0187454	0.78010525	0.90650187
Prr7	0.15712448	0.15597243	0.17472954	-0.0187571	0.68340196	0.90650187
Tsn	1.26636371	0.82304722	0.84180939	-0.0187622	0.53946392	0.90650187
Tuft1	0.09381538	0.08948938	0.10825221	-0.0187628	0.7795088	0.90650187
BC030336	0.09260526	0.08817119	0.10693863	-0.0187674	0.78236104	0.90650187
D930015E06	0.1328528	0.13103281	0.14980242	-0.0187696	0.71124162	0.90650187
Mto1	0.22095962	0.21835197	0.23713105	-0.0187791	0.63760341	0.90650187
Msl2	0.20979839	0.20775523	0.22653604	-0.0187808	0.64377214	0.90650187
Agtppb1	0.13669639	0.13500712	0.15379599	-0.0187889	0.70647244	0.90650187
Cbwd1	0.16264843	0.16151463	0.1803071	-0.0187925	0.67844051	0.90650187
Lyp1a1	0.41669758	0.38516057	0.40395374	-0.0187932	0.58192605	0.90650187
Homer1	0.079174	0.07342314	0.09222131	-0.0187982	0.81758015	0.9092537
Sptlc1	0.26401167	0.25801524	0.27681364	-0.0187984	0.61863623	0.90650187
Dgcr14	0.17518409	0.17402296	0.19283692	-0.018814	0.66775833	0.90650187
Supt5	0.72058452	0.58866566	0.60748124	-0.0188156	0.55475897	0.90650187
Ubr2	0.31054111	0.29888428	0.31770049	-0.0188162	0.60383898	0.90650187
Scaper	0.34266988	0.32597629	0.34479587	-0.0188196	0.59586141	0.90650187
Bcdin3d	0.14173672	0.14018582	0.15900653	-0.0188207	0.70062587	0.90650187
Cmtm6	0.29267981	0.28337974	0.30224219	-0.0188624	0.60928006	0.90650187
Zgpat	0.21193435	0.20970306	0.22857359	-0.0188705	0.64319778	0.90650187
Adar	0.09805836	0.09396884	0.11284191	-0.0188731	0.7714219	0.90650187
Zfp26	0.10683772	0.1034252	0.12230088	-0.0188757	0.75368327	0.90650187
Zfp950	0.40522354	0.3761857	0.3950686	-0.0188829	0.58413544	0.90650187
Timm10	0.38431271	0.35972965	0.37861393	-0.0188843	0.58774003	0.90650187
Pwwp2a	0.19277943	0.19124265	0.21012884	-0.0188862	0.65526228	0.90650187
Pik3ca	0.24719727	0.24264815	0.26153482	-0.0188867	0.62590931	0.90650187
Ercc2	0.09993063	0.09596877	0.11485928	-0.0188905	0.76765731	0.90650187
Abhd15	0.09947598	0.09547932	0.11436983	-0.0188905	0.76861174	0.90650187

Enpep	0.06901322	0.06202621	0.08091692	-0.0188907	0.85033308	0.91483663
Poldip3	0.53711662	0.47257809	0.4914723	-0.0188942	0.56785171	0.90650187
Phkb	0.20299455	0.20110594	0.22001396	-0.018908	0.64878997	0.90650187
Cblb	0.10219324	0.09839245	0.11730308	-0.0189106	0.76321545	0.90650187
Siae	0.08689318	0.08179857	0.10071065	-0.0189121	0.79809155	0.9075779
Btbd2	0.11374563	0.11075861	0.12968456	-0.018926	0.74176118	0.90650187
Camta1	0.38503092	0.36025577	0.37918482	-0.018929	0.58781438	0.90650187
Zc3h11a	0.21275687	0.21042076	0.22935695	-0.0189362	0.64320488	0.90650187
Eif4e3	0.27264544	0.2656057	0.28455393	-0.0189482	0.61639627	0.90650187
Dtnb	0.25889872	0.25324704	0.27219642	-0.0189494	0.62152478	0.90650187
Acsf3	0.12231968	0.11981775	0.13876742	-0.0189497	0.72810075	0.90650187
Ksr2	0.09030555	0.08547968	0.1044367	-0.018957	0.790153	0.90650187
Pfkfb2	0.07651786	0.07031789	0.08928056	-0.0189627	0.82747163	0.90947782
Ptprk	0.10122696	0.09728896	0.11625989	-0.0189709	0.76590287	0.90650187
Hint2	0.88226652	0.67663119	0.69560825	-0.0189771	0.54826603	0.90650187
Hnf1b	0.1126968	0.10958094	0.1285673	-0.0189864	0.74425241	0.90650187
Sertad3	0.22595571	0.22283727	0.24183159	-0.0189943	0.63652061	0.90650187
Primpol	0.10116096	0.09718678	0.11618859	-0.0190018	0.76640141	0.90650187
Nars	0.75368604	0.60749539	0.62650611	-0.0190107	0.5536536	0.90650187
Wdr5	0.23090824	0.2274537	0.24646568	-0.019012	0.63417335	0.90650187
Mapk8ip1	0.4286246	0.39406787	0.41308258	-0.0190147	0.58107208	0.90650187
Cdk10	0.1953218	0.19358021	0.21259971	-0.0190195	0.65457832	0.90650187
Zbtb22	0.117103	0.11423216	0.13325187	-0.0190197	0.73713708	0.90650187
Zfp61	0.19199204	0.19033174	0.20936219	-0.0190305	0.65692801	0.90650187
Proser3	0.08968857	0.08472774	0.10376422	-0.0190365	0.79263166	0.90681274
Daxx	0.26082873	0.25489994	0.27394223	-0.0190423	0.62134807	0.90650187
Dedd2	0.11761697	0.11473976	0.13379677	-0.019057	0.73669804	0.90650187
Tmem138	0.34977226	0.33160765	0.35066539	-0.0190577	0.59545766	0.90650187
Sgpp1	0.14289742	0.14114176	0.16020221	-0.0190604	0.70157188	0.90650187
Gnaq	0.50008369	0.44655824	0.46561953	-0.0190613	0.57220545	0.90650187

Fads6	0.06558257	0.05800221	0.07706636	-0.0190641	0.86427368	0.92017797
Sf3b2	1.75473919	0.90282118	0.92188898	-0.0190678	0.53663121	0.90650187
Mttp	0.11579541	0.11278624	0.13186417	-0.0190779	0.73994778	0.90650187
Mta2	0.51021854	0.45370042	0.47278411	-0.0190837	0.57120571	0.90650187
Cluh	0.13236212	0.13020593	0.14929133	-0.0190854	0.71509323	0.90650187
Comt	0.8290533	0.64880793	0.66790964	-0.0191017	0.5505856	0.90650187
Leng9	0.09376774	0.08909189	0.10820053	-0.0191086	0.78380596	0.90650187
Pus3	0.17263172	0.17118955	0.19030016	-0.0191106	0.6723615	0.90650187
Rfwd3	0.17528195	0.17381992	0.19293403	-0.0191141	0.67018688	0.90650187
Fancl	0.14616828	0.14444641	0.16356317	-0.0191168	0.69832486	0.90650187
Tprkb	0.19335282	0.19156671	0.2106867	-0.01912	0.65668866	0.90650187
Elmod3	0.1004225	0.09626845	0.11539049	-0.019122	0.7693499	0.90650187
Echdc1	0.18911444	0.18743114	0.20655472	-0.0191236	0.65968011	0.90650187
Pnp	0.2923529	0.28282799	0.30195651	-0.0191285	0.61088368	0.90650187
Wrap53	0.1572468	0.15571954	0.17485343	-0.0191339	0.68668458	0.90650187
Ap3d1	0.48283797	0.43412826	0.45326834	-0.0191401	0.57445341	0.90650187
Slc10a3	0.09270108	0.08789856	0.10704272	-0.0191442	0.7867161	0.90650187
Pip5k1c	0.24708756	0.24227495	0.2614342	-0.0191592	0.62771103	0.90650187
Glod4	0.59656978	0.51200331	0.53116745	-0.0191641	0.56371474	0.90650187
Drosha	0.23535248	0.2314213	0.25060319	-0.0191819	0.63317694	0.90650187
Cptp	0.11918127	0.11627049	0.13545318	-0.0191827	0.73551555	0.90650187
Zdhhc5	0.12232094	0.11957181	0.13876874	-0.0191969	0.73072086	0.90650187
Acy1	0.11080609	0.10734835	0.1265498	-0.0192014	0.75001389	0.90650187
Pex7	0.45659566	0.41486659	0.43407921	-0.0192126	0.57799442	0.90650187
Sltm	0.8101321	0.63854449	0.65775788	-0.0192134	0.55166063	0.90650187
Nup62	0.27692188	0.26913621	0.28836072	-0.0192245	0.61653036	0.90650187
Zfp788	0.12763799	0.12512988	0.14435598	-0.0192261	0.72310464	0.90650187
Polrmt	0.09573788	0.09110746	0.11033489	-0.0192274	0.78074457	0.90650187
Sh3gl2	0.09869529	0.09429633	0.11352874	-0.0192324	0.77430827	0.90650187
Ubqln1	0.61927964	0.52651593	0.5457737	-0.0192578	0.56232413	0.90650187

Zbtb4	0.15649537	0.15483345	0.17409213	-0.0192587	0.68856551	0.90650187
Dennd1a	0.179949	0.17827792	0.19755299	-0.0192751	0.66776637	0.90650187
Tanc2	0.09688301	0.09228529	0.1111573	-0.0192877	0.77890945	0.90650187
Adss	0.61081352	0.52107379	0.54036299	-0.0192892	0.56304489	0.90650187
Tbrg4	0.10782485	0.10407012	0.12335963	-0.0192895	0.75651963	0.90650187
Bloc1s3	0.09358278	0.08870904	0.10799988	-0.0192908	0.78642267	0.90650187
Fbxo8	0.22443674	0.22110655	0.24040532	-0.0192988	0.6394074	0.90650187
Klhl15	0.07287622	0.06593241	0.08523225	-0.0192998	0.84294981	0.91273395
Prr36	0.06995355	0.06266585	0.08196935	-0.0193035	0.85243296	0.91557373
Cox15	0.06633973	0.05861257	0.07791767	-0.0193051	0.86465083	0.92040222
Slc25a44	0.24221727	0.23765039	0.25695559	-0.0193052	0.63081045	0.90650187
Rangrf	0.23964055	0.23526711	0.25457666	-0.0193096	0.63201605	0.90650187
Slc30a7	0.15915784	0.15747394	0.17678667	-0.0193127	0.68639302	0.90650187
Usp15	0.33450952	0.31867551	0.33799837	-0.0193229	0.60030966	0.90650187
Mex3d	0.11908157	0.11602226	0.13534771	-0.0193254	0.73720755	0.90650187
Ubr3	0.26953908	0.26243831	0.28177723	-0.0193389	0.61985907	0.90650187
Fastkd3	0.07320785	0.066258	0.0856017	-0.0193437	0.84245251	0.91257184
Gm10399	0.05879392	0.05001633	0.06939583	-0.0193795	0.89278597	0.93179124
Ino80	0.12228836	0.11935325	0.13873441	-0.0193812	0.73271657	0.90650187
Steap2	0.12945377	0.12687346	0.1462561	-0.0193826	0.72212159	0.90650187
R3hdm1	0.84262868	0.65571381	0.67509657	-0.0193828	0.55078238	0.90650187
Cactin	0.29956701	0.2888375	0.30823738	-0.0193999	0.61018379	0.90650187
Sgpl1	0.19856909	0.19633987	0.21574564	-0.0194058	0.65537421	0.90650187
Mphosph6	0.46869139	0.423575	0.44298507	-0.0194101	0.5772217	0.90650187
Esrp1	0.17896601	0.17715827	0.19658212	-0.0194239	0.66976366	0.90650187
Tomm70a	0.48285271	0.4338481	0.45327898	-0.0194309	0.57556934	0.90650187
Mknk1	0.16616513	0.16440834	0.18383998	-0.0194316	0.68078486	0.90650187
Vps54	0.08939099	0.08400636	0.10343968	-0.0194333	0.79819766	0.9075779
Ccng2	0.2167701	0.2137351	0.23316909	-0.019434	0.64450581	0.90650187
Tmcc1	0.33103844	0.31563893	0.33508995	-0.019451	0.60181766	0.90650187

Erich1	0.26506183	0.25829194	0.27775891	-0.019467	0.6223179	0.90650187
Hsd17b12	0.64120384	0.54012949	0.55959651	-0.019467	0.56145215	0.90650187
Golga1	0.25702247	0.25102526	0.27049582	-0.0194706	0.6255155	0.90650187
Manea	0.09325746	0.0881753	0.10764684	-0.0194715	0.78934105	0.90650187
Pabpc1	2.63159675	0.86563834	0.88512109	-0.0194827	0.53897588	0.90650187
Zfp58	0.07168271	0.06441204	0.0839013	-0.0194893	0.84911863	0.91444933
Csnk1g1	0.28340946	0.2746128	0.29410337	-0.0194906	0.6158562	0.90650187
Mmab	0.08754926	0.08193315	0.1014283	-0.0194952	0.8035786	0.90882608
Atp9b	0.11407466	0.11053541	0.13003479	-0.0194994	0.74749934	0.90650187
Pofut1	0.21547665	0.21243525	0.23194226	-0.019507	0.64575629	0.90650187
Pcyt2	0.33700968	0.32057245	0.34008693	-0.0195145	0.60067424	0.90650187
Stk38	0.49018183	0.43903729	0.45855309	-0.0195158	0.57503308	0.90650187
Ssh2	0.19778954	0.19547045	0.21499147	-0.019521	0.65676745	0.90650187
Trp53rkb	0.12573441	0.12283687	0.14235971	-0.0195228	0.72895613	0.90650187
Tmem186	0.15840057	0.15648602	0.17602109	-0.0195351	0.68912787	0.90650187
Zfp53	0.13167134	0.12902287	0.14857133	-0.0195485	0.7207047	0.90650187
Wbp1l	0.29227252	0.2823348	0.30188626	-0.0195515	0.61329473	0.90650187
Med4	0.32375218	0.30939503	0.32895131	-0.0195563	0.60422289	0.90650187
Ccnk	0.14777728	0.14564877	0.16521192	-0.0195632	0.70070014	0.90650187
1700048O20	0.07530661	0.06836012	0.08793617	-0.019576	0.83883117	0.91188312
Invs	0.11309534	0.10941366	0.12899201	-0.0195784	0.7500834	0.90650187
Fbxw7	0.14270757	0.140426	0.16000674	-0.0195807	0.70678914	0.90650187
Cacnb2	0.09254247	0.08728857	0.10687042	-0.0195819	0.79234016	0.90681274
Errfi1	0.35652524	0.33662314	0.35620644	-0.0195833	0.5965425	0.90650187
Ckap5	0.24956005	0.24410912	0.2636984	-0.0195893	0.62939424	0.90650187
Arhgap32	0.12149672	0.11830582	0.13789952	-0.0195937	0.73619606	0.90650187
Dennd1b	0.13359431	0.13097036	0.15057423	-0.0196039	0.71863512	0.90650187
Hdac4	0.18799507	0.18585493	0.20546023	-0.0196053	0.66429218	0.90650187
Rfng	0.1876644	0.1855282	0.20513665	-0.0196085	0.66456104	0.90650187
Inpp5k	0.19920265	0.19674315	0.21635798	-0.0196148	0.65653875	0.90650187

Glis3	0.13538448	0.13281991	0.15243486	-0.019615	0.71635594	0.90650187
Zfp568	0.2119688	0.20898088	0.22860641	-0.0196255	0.64863908	0.90650187
Letmd1	0.16247902	0.16051068	0.18013657	-0.0196259	0.68593096	0.90650187
Grk6	0.12810766	0.12521925	0.14484785	-0.0196286	0.72655681	0.90650187
Ulk1	0.13753594	0.13503284	0.15466596	-0.0196331	0.71373192	0.90650187
Tjp2	0.10779138	0.10368744	0.12332376	-0.0196363	0.76048239	0.90650187
Pkp3	0.06094208	0.05217998	0.07183041	-0.0196504	0.88804011	0.92986219
Blzf1	0.23991641	0.23517965	0.25483166	-0.019652	0.6341385	0.90650187
Pnkp	0.18198914	0.17990668	0.1995646	-0.0196579	0.6692743	0.90650187
Nus1	0.45767563	0.4152202	0.43487851	-0.0196583	0.57963501	0.90650187
Irs2	0.10613206	0.10188118	0.12154328	-0.0196621	0.7639811	0.90650187
Mib1	0.32315834	0.30877248	0.32844899	-0.0196765	0.60500539	0.90650187
Rnf214	0.35621421	0.33624858	0.35595206	-0.0197035	0.59719119	0.90650187
Sepn1	0.19546371	0.19302847	0.21273743	-0.019709	0.6597794	0.90650187
Neil1	0.09867277	0.09379288	0.11350446	-0.0197116	0.77995453	0.90650187
Ddx26b	0.11726269	0.11370895	0.13342121	-0.0197123	0.74434981	0.90650187
Mlh1	0.17382186	0.1717706	0.19148405	-0.0197135	0.67640848	0.90650187
Rnf44	0.21012967	0.20713446	0.22685237	-0.0197179	0.65040358	0.90650187
Extl2	0.1796547	0.17753511	0.19726243	-0.0197273	0.67169011	0.90650187
Zfp952	0.10537859	0.10100634	0.12073367	-0.0197273	0.76620062	0.90650187
Carf	0.16903562	0.16698497	0.18671338	-0.0197284	0.68072575	0.90650187
Banp	0.46695902	0.42197579	0.44171578	-0.01974	0.57874005	0.90650187
Yipf2	0.26109481	0.25444095	0.27418264	-0.0197417	0.62555086	0.90650187
Rpap3	0.26960076	0.26208378	0.28183246	-0.0197487	0.62229521	0.90650187
Ppp1r13b	0.14626389	0.14390918	0.16366122	-0.019752	0.70420518	0.90650187
Ikbkg	0.09045089	0.08479925	0.10459504	-0.0197958	0.79993279	0.90805731
Skp1a	1.42199664	0.85911636	0.87891698	-0.0198006	0.53988839	0.90650187
Etaa1	0.17021329	0.1680843	0.18788958	-0.0198053	0.68032486	0.90650187
Gm12166	0.07036536	0.06262315	0.08242984	-0.0198067	0.85728814	0.9170242
Slc25a46	0.41973301	0.38647108	0.4062878	-0.0198167	0.58583146	0.90650187

Slco3a1	0.17765004	0.1754587	0.19528071	-0.019822	0.67409613	0.90650187
Map4k5	0.28621906	0.27675512	0.29657832	-0.0198232	0.6168213	0.90650187
Klhl28	0.09724643	0.09213813	0.11196556	-0.0198274	0.78443238	0.90650187
Blmh	0.95049966	0.70926482	0.72909759	-0.0198328	0.54812616	0.90650187
Rabep2	0.16805189	0.16589317	0.18572968	-0.0198365	0.68253687	0.90650187
Adrm1	0.95468618	0.71122237	0.73106575	-0.0198434	0.5480228	0.90650187
9530034E10I	0.10646405	0.10205566	0.12189979	-0.0198441	0.76537579	0.90650187
Pkp2	0.08249183	0.07603519	0.09588051	-0.0198453	0.82125285	0.9092537
Ccnh	0.45568462	0.41355774	0.43340429	-0.0198466	0.58065691	0.90650187
Dnal1	0.08999254	0.08424656	0.1040956	-0.019849	0.80169521	0.90839694
Lrrc24	0.14741055	0.14498646	0.16483639	-0.0198499	0.70379572	0.90650187
Cdcp1	0.08185561	0.07530728	0.09518005	-0.0198728	0.82334916	0.9092537
Ppm1a	0.15907926	0.15683249	0.17670725	-0.0198748	0.69146591	0.90650187
Trak2	0.0761044	0.06893722	0.08882189	-0.0198847	0.84019113	0.91226452
Arhgef17	0.18503989	0.18267625	0.20256422	-0.019888	0.66875372	0.90650187
Psen1	0.26653567	0.25919546	0.27908376	-0.0198883	0.62430478	0.90650187
Mblac2	0.08912074	0.08325625	0.10314483	-0.0198886	0.80433567	0.90882608
Tspan33	0.10325656	0.09854664	0.11844968	-0.019903	0.77246614	0.90650187
1810022K09I	1.03203834	0.7437675	0.76367789	-0.0199104	0.54613592	0.90650187
Tecr	1.90772306	0.90714886	0.92706323	-0.0199144	0.53803983	0.90650187
Phc3	0.1603972	0.15811821	0.1780382	-0.01992	0.69054691	0.90650187
Pikfyve	0.11447774	0.11052957	0.13046364	-0.0199341	0.75151415	0.90650187
Epdr1	0.13127962	0.12821068	0.14816279	-0.0199521	0.72530039	0.90650187
Uba6	0.1946504	0.19197798	0.21194786	-0.0199699	0.66234381	0.90650187
Rnf220	0.17498794	0.17266642	0.19264224	-0.0199758	0.6775943	0.90650187
Snapc2	0.25495685	0.24862765	0.26861965	-0.019992	0.62962643	0.90650187
Pold2	0.28362233	0.27429602	0.29429114	-0.0199951	0.61869278	0.90650187
Nme5	0.12703236	0.12372601	0.14372133	-0.0199953	0.73187642	0.90650187
Bmi1	0.2033062	0.20031646	0.22031377	-0.0199973	0.65671569	0.90650187
Zcchc4	0.0998434	0.09476615	0.11476539	-0.0199992	0.78074151	0.90650187

Tbc1d14	0.13710984	0.13421754	0.15422452	-0.020007	0.71793308	0.90650187
3110043O21	0.08424573	0.07779494	0.09780856	-0.0200136	0.81849942	0.9092537
Pcdhga12	0.10183481	0.09690214	0.11691626	-0.0200141	0.77667566	0.90650187
Plekhm2	0.08622042	0.07994847	0.09997412	-0.0200257	0.81339915	0.9092537
Fam8a1	0.15449289	0.15203257	0.1720602	-0.0200276	0.69758384	0.90650187
Nprl2	0.23553746	0.23073719	0.25077498	-0.0200378	0.63878737	0.90650187
Pex11a	0.08174328	0.07501812	0.09505631	-0.0200382	0.82565898	0.90947782
Mmachc	0.0794509	0.07248651	0.0925273	-0.0200408	0.83219822	0.91015505
Snx32	0.08034682	0.07347402	0.0935166	-0.0200426	0.829651	0.90974008
Rubcn	0.09617768	0.09076731	0.11081061	-0.0200433	0.78933514	0.90650187
Vps13a	0.11043377	0.10610604	0.126152	-0.020046	0.7600368	0.90650187
Wwp2	0.15772253	0.15528727	0.17533507	-0.0200478	0.69438209	0.90650187
Ric8b	0.11735808	0.11347373	0.13352235	-0.0200486	0.74777866	0.90650187
Prkcb	0.13067923	0.1274874	0.14753626	-0.0200489	0.72711745	0.90650187
Samd8	0.15503169	0.1525561	0.17260737	-0.0200513	0.69722382	0.90650187
Pop7	0.53935251	0.47292682	0.49300497	-0.0200781	0.57183663	0.90650187
Tmem94	0.13622703	0.13322293	0.15330925	-0.0200863	0.71987017	0.90650187
Trim41	0.21809812	0.21431732	0.23442693	-0.0201096	0.64852935	0.90650187
Man2a2	0.17445409	0.17199534	0.19211219	-0.0201168	0.67921951	0.90650187
Pwp1	0.23707804	0.23207838	0.25220435	-0.020126	0.63861548	0.90650187
Tmem164	0.20306676	0.19993122	0.22008344	-0.0201522	0.65802077	0.90650187
Ptpn4	0.11437696	0.11020084	0.13035643	-0.0201556	0.75407693	0.90650187
Zfp944	0.1019592	0.09689414	0.11705052	-0.0201564	0.77802616	0.90650187
Exd2	0.10408849	0.0991838	0.11934578	-0.020162	0.77368263	0.90650187
Dnajb4	0.35016361	0.3308255	0.35098753	-0.020162	0.60078219	0.90650187
Zfp770	0.09809387	0.09271559	0.11288021	-0.0201646	0.78644631	0.90650187
Gm10263	0.37915743	0.35433376	0.37450419	-0.0201704	0.59461622	0.90650187
Ddx31	0.10006572	0.0948207	0.11500465	-0.0201839	0.78237174	0.90650187
Rps3	4.49509979	0.5868468	0.60703686	-0.0201901	0.55877375	0.90650187
Prmt10	0.12475827	0.12112735	0.14133436	-0.020207	0.73748211	0.90650187

Wdr4	0.18335766	0.1807001	0.20091144	-0.0202113	0.67264199	0.90650187
Fam114a2	0.61986069	0.52591538	0.54614345	-0.0202281	0.56539281	0.90650187
Plekhg3	0.15009128	0.14734812	0.16757767	-0.0202296	0.70424955	0.90650187
Atp11b	0.25796424	0.2511112	0.27134984	-0.0202378	0.62989023	0.90650187
Gorab	0.15716957	0.15453345	0.1747752	-0.0202417	0.69667875	0.90650187
Tmem168	0.29703632	0.28578792	0.30603988	-0.020252	0.61569163	0.90650187
Cpeb2	0.06568964	0.05693422	0.07718679	-0.0202526	0.87828481	0.92521187
Fam188a	0.24203759	0.23652816	0.25678991	-0.0202618	0.63712187	0.90650187
Prkaa1	0.13412412	0.13085793	0.15112529	-0.0202674	0.72447876	0.90650187
Aph1a	0.57602532	0.49742178	0.51769351	-0.0202717	0.56909874	0.90650187
Map4k2	0.11190943	0.10745285	0.12772767	-0.0202748	0.75980401	0.90650187
Zfp865	0.23468691	0.22968677	0.24998481	-0.020298	0.64093919	0.90650187
Efcab2	0.09787391	0.09233787	0.1126429	-0.020305	0.78854002	0.90650187
Mlxip	0.11276604	0.1083241	0.12864111	-0.020317	0.75869766	0.90650187
Usp47	0.38758362	0.36089236	0.38121067	-0.0203183	0.59365151	0.90650187
Zc3h14	0.66945771	0.55669048	0.57701948	-0.020329	0.56222913	0.90650187
Rps6ka2	0.09775488	0.09218335	0.11251445	-0.0203311	0.7891024	0.90650187
Ppp1r2	1.19489189	0.80057106	0.82090271	-0.0203316	0.54383744	0.90650187
Zfp426	0.13054039	0.12705325	0.14739131	-0.0203381	0.73020562	0.90650187
Lin54	0.1208825	0.11690547	0.13725121	-0.0203457	0.74505348	0.90650187
Rmdn1	0.23013987	0.22540238	0.24574833	-0.0203459	0.64358565	0.90650187
Heatr3	0.15606923	0.15331275	0.1736601	-0.0203474	0.69877534	0.90650187
Osbpl11	0.13908204	0.13591222	0.15626592	-0.0203537	0.71871961	0.90650187
Wbscr27	0.23105534	0.22624741	0.24660294	-0.0203555	0.64317443	0.90650187
Jmjd8	0.39972359	0.37037759	0.3907743	-0.0203967	0.59174702	0.90650187
Gopc	0.3450058	0.32632979	0.34673139	-0.0204016	0.6031768	0.90650187
Ubqln4	0.18592172	0.18302544	0.20342938	-0.0204039	0.672163	0.90650187
Mplkip	0.47105951	0.4243115	0.44471619	-0.0204047	0.58081368	0.90650187
Kbtbd4	0.17124391	0.1685094	0.18891765	-0.0204082	0.6844739	0.90650187
Rbbp5	0.11381318	0.10934374	0.12975647	-0.0204127	0.75783764	0.90650187

Fam117b	0.13135943	0.12782699	0.14824604	-0.020419	0.72983928	0.90650187
Ccdc51	0.07826019	0.07079087	0.09121072	-0.0204198	0.84019567	0.91226452
Pde3b	0.19720479	0.19400427	0.21442531	-0.020421	0.66399186	0.90650187
Rere	0.50628284	0.44958181	0.47000983	-0.020428	0.57660633	0.90650187
Rpap2	0.14418177	0.14108975	0.16152342	-0.0204337	0.71307668	0.90650187
Whsc1	0.39435904	0.36612845	0.38656312	-0.0204347	0.59289779	0.90650187
Cnksr3	0.20643081	0.20287511	0.22331397	-0.0204389	0.65795383	0.90650187
Cd276	0.14272215	0.13957442	0.16002175	-0.0204473	0.7150004	0.90650187
Dtwd1	0.12660503	0.12282544	0.14327327	-0.0204478	0.7371139	0.90650187
Fbxl14	0.11927758	0.11509694	0.13555507	-0.0204581	0.74886945	0.90650187
Arglu1	0.72235541	0.5880392	0.60851248	-0.0204733	0.55944867	0.90650187
Zufsp	0.11021297	0.1054332	0.125916	-0.0204828	0.76521171	0.90650187
Slc35a4	0.40632321	0.3754317	0.39592445	-0.0204928	0.59099345	0.90650187
Mepce	0.09231086	0.08611433	0.10661876	-0.0205044	0.80371295	0.90882608
Haus2	0.15815485	0.15526102	0.17577254	-0.0205115	0.69804062	0.90650187
Wdr53	0.14653503	0.14339127	0.16393923	-0.020548	0.71130711	0.90650187
Lnp	0.2267694	0.22203488	0.24259466	-0.0205598	0.6468251	0.90650187
Plppr1	0.15697225	0.15400114	0.17457535	-0.0205742	0.69983549	0.90650187
Slc25a20	0.20124179	0.19773915	0.21832591	-0.0205868	0.66246238	0.90650187
Rybp	0.20906317	0.20523103	0.2258336	-0.0206026	0.65747	0.90650187
Hspa2	0.21941897	0.21506914	0.23567617	-0.020607	0.65125634	0.90650187
Gtf3c3	0.21248685	0.2084927	0.22909986	-0.0206072	0.65537574	0.90650187
R3hcc1l	0.13651344	0.13299455	0.15360629	-0.0206117	0.72459143	0.90650187
Ric3	0.08233536	0.07509417	0.09570829	-0.0206141	0.83084674	0.9098597
Crtc3	0.37318159	0.34908598	0.36971401	-0.020628	0.59794853	0.90650187
Tmub1	0.20995824	0.2060549	0.22668869	-0.0206338	0.65713284	0.90650187
Gemin7	0.92378431	0.69565394	0.71629219	-0.0206382	0.55096094	0.90650187
Mfn1	0.16526575	0.1622948	0.18293779	-0.020643	0.69204285	0.90650187
Pgap2	0.36030464	0.33863994	0.35929126	-0.0206513	0.60084088	0.90650187
Erc1	0.23035565	0.2252954	0.24594984	-0.0206544	0.64555018	0.90650187

Sat2	0.17807361	0.17503974	0.1956998	-0.0206601	0.68058076	0.90650187
Mgrn1	0.33396111	0.31687862	0.33753954	-0.0206609	0.60723406	0.90650187
Bcap29	0.15933937	0.15630298	0.17697008	-0.0206671	0.69817943	0.90650187
Nat14	0.16640429	0.16340329	0.18407973	-0.0206764	0.69123185	0.90650187
Sgms2	0.20144396	0.1978144	0.21852078	-0.0207064	0.66321464	0.90650187
Elf2	0.55342544	0.48187001	0.50257737	-0.0207074	0.57266744	0.90650187
Ralgps2	0.29940753	0.28738711	0.30809906	-0.020712	0.61747497	0.90650187
Exoc4	0.34095558	0.32265781	0.34337251	-0.0207147	0.60572387	0.90650187
Kpna1	0.32166418	0.30645826	0.32718377	-0.0207255	0.61087781	0.90650187
Mb21d2	0.09731703	0.09131371	0.11204179	-0.0207281	0.79458983	0.90731056
E4f1	0.21793001	0.21353489	0.2342678	-0.0207329	0.65300281	0.90650187
Cd99l2	0.23791918	0.23224923	0.25298377	-0.0207345	0.64220606	0.90650187
Gatad1	0.59994801	0.51261849	0.53335882	-0.0207403	0.56862438	0.90650187
Tex2	0.0846588	0.07751811	0.09826202	-0.0207439	0.82600715	0.90947782
Tmem41b	0.36390107	0.34147092	0.36221595	-0.020745	0.60048827	0.90650187
O610037L13F	0.62687085	0.52983765	0.55058963	-0.020752	0.56653407	0.90650187
Fam13b	0.13792332	0.13428693	0.1550671	-0.0207802	0.72432723	0.90650187
Mfhas1	0.14100257	0.13746721	0.15824945	-0.0207822	0.72033022	0.90650187
Mpnd	0.56469684	0.48937292	0.51015595	-0.020783	0.57185848	0.90650187
Neurl4	0.11012588	0.10503315	0.1258229	-0.0207897	0.76869279	0.90650187
Ttc5	0.47890596	0.42962875	0.45042386	-0.0207951	0.58130932	0.90650187
Iffo1	0.18729818	0.1839825	0.20477814	-0.0207956	0.67417118	0.90650187
Cox6a1	2.92376278	0.82651849	0.84732494	-0.0208065	0.54346375	0.90650187
Eftud1	0.1189531	0.1144034	0.13521176	-0.0208084	0.75306137	0.90650187
Brf1	0.15502112	0.15178434	0.17259663	-0.0208123	0.70404365	0.90650187
Qsox2	0.35360558	0.33300213	0.35381536	-0.0208132	0.60315165	0.90650187
Ranbp9	0.14884219	0.14547452	0.16630149	-0.020827	0.7111512	0.90650187
Lrp6	0.39869352	0.3691366	0.38996747	-0.0208309	0.59385418	0.90650187
Tnrc6b	0.70207804	0.57577569	0.59660889	-0.0208332	0.56168304	0.90650187
Dcaf5	0.12882532	0.12475472	0.14559891	-0.0208442	0.73775541	0.90650187

Dmxl2	0.11104318	0.10595647	0.12680303	-0.0208466	0.76756845	0.90650187
Gas8	0.3559325	0.33486927	0.35572158	-0.0208523	0.60279964	0.90650187
Traf3ip2	0.11069003	0.10557142	0.12642582	-0.0208544	0.76831805	0.90650187
Rfx7	0.16469023	0.16150552	0.18235999	-0.0208545	0.69441152	0.90650187
Zbtb18	0.07406424	0.06569966	0.08655504	-0.0208554	0.85795257	0.91737198
Fam32a	1.32434259	0.83601711	0.85688145	-0.0208643	0.54310002	0.90650187
Rpusd3	0.10226468	0.09651555	0.11738016	-0.0208646	0.78529957	0.90650187
Fem1c	0.20357635	0.19970664	0.22057357	-0.0208669	0.66296463	0.90650187
Gtf2e1	0.16079774	0.15757524	0.17844231	-0.0208671	0.69842284	0.90650187
Recql	0.11403153	0.10911408	0.12998888	-0.0208748	0.76236045	0.90650187
Slc25a39	0.60398398	0.51508051	0.53596832	-0.0208878	0.56877435	0.90650187
Ppp6r1	0.08690526	0.07983261	0.10072387	-0.0208913	0.82175352	0.9092537
Mtmr4	0.14998412	0.14657498	0.16746826	-0.0208933	0.71042688	0.90650187
Nek9	0.17727147	0.17399308	0.19490598	-0.0209129	0.68331964	0.90650187
Rnf217	0.12358608	0.11917391	0.14010138	-0.0209275	0.74667301	0.90650187
Dhx15	0.81707027	0.64055987	0.66149935	-0.0209395	0.55595593	0.90650187
Gpaa1	0.46582716	0.41994231	0.44088536	-0.0209431	0.58362517	0.90650187
Gstm7	0.11911882	0.11444206	0.13538712	-0.0209451	0.75419725	0.90650187
Otud7b	0.23885945	0.23289202	0.25385423	-0.0209622	0.64322753	0.90650187
Scyl3	0.12360684	0.11915416	0.14012323	-0.0209691	0.74706212	0.90650187
Adrbk2	0.31871864	0.30371277	0.32468306	-0.0209703	0.61299291	0.90650187
Uhrf1bp1l	0.16058672	0.15725458	0.17822943	-0.0209749	0.69957523	0.90650187
Zfp780b	0.15315947	0.14972581	0.17070461	-0.0209788	0.70758534	0.90650187
Pi4kb	0.20556245	0.20150206	0.22248122	-0.0209792	0.66246658	0.90650187
Fam73b	0.07551099	0.06718182	0.08816316	-0.0209813	0.85496752	0.91627438
Aph1b	0.08047669	0.07267677	0.0936599	-0.0209831	0.8403684	0.91226452
Flad1	0.1823619	0.17894538	0.19993166	-0.0209863	0.67962235	0.90650187
Ngdn	0.60262282	0.51410015	0.53508928	-0.0209891	0.56921698	0.90650187
Stx17	0.21711784	0.21250269	0.23349864	-0.0209959	0.65532752	0.90650187
Dtnbos	0.14078801	0.13703134	0.15802807	-0.0209967	0.72263079	0.90650187

Rraga	1.21022387	0.80448599	0.82548839	-0.0210024	0.54502708	0.90650187
lpo7	0.35234577	0.33177023	0.35278147	-0.0210112	0.60440862	0.90650187
Zrsr2	0.73439705	0.59447206	0.61548466	-0.0210126	0.5603169	0.90650187
Nr2f6	0.38923432	0.36150076	0.38251797	-0.0210172	0.59648568	0.90650187
Trp53inp1	0.1135072	0.10840606	0.12943069	-0.0210246	0.76489618	0.90650187
Camta2	0.1029894	0.09713434	0.11816173	-0.0210274	0.78556149	0.90650187
Sh3d19	0.17047589	0.16711805	0.18815164	-0.0210336	0.69039738	0.90650187
Atg4c	0.08331785	0.07575483	0.09678909	-0.0210343	0.83300832	0.9104515
Pygo2	0.22608125	0.22090902	0.24194936	-0.0210403	0.65047295	0.90650187
Rims2	0.10412621	0.0983417	0.11938639	-0.0210447	0.78337549	0.90650187
Slc7a1	0.1414707	0.13768575	0.15873228	-0.0210465	0.72221991	0.90650187
Tmem175	0.1706102	0.1672381	0.18828565	-0.0210476	0.69038892	0.90650187
Zfp213	0.13286372	0.12875638	0.14981379	-0.0210574	0.73396921	0.90650187
St8sia3	0.1189596	0.11415905	0.13521864	-0.0210596	0.75565053	0.90650187
Tpra1	0.13333412	0.12923728	0.15030348	-0.0210662	0.73338612	0.90650187
Dsg2	0.12380168	0.11925972	0.14032828	-0.0210686	0.74775857	0.90650187
Borcs5	0.20175337	0.19774304	0.21881894	-0.0210759	0.66574206	0.90650187
Vsig10	0.20936296	0.20501663	0.22612009	-0.0211035	0.6608932	0.90650187
Tmem14a	0.08442655	0.07689162	0.09800708	-0.0211155	0.83091784	0.9098597
Zfp748	0.06696513	0.05750227	0.0786202	-0.0211179	0.88378468	0.92772674
Rrp36	0.17784714	0.17435527	0.19547575	-0.0211205	0.6845045	0.90650187
Gmpr	0.25494028	0.24748355	0.26860458	-0.021121	0.63666885	0.90650187
Sms	0.59166149	0.50684537	0.52797166	-0.0211263	0.57059403	0.90650187
3010026009	0.10213213	0.09610325	0.11723714	-0.0211339	0.78854777	0.90650187
Mpp2	0.10908001	0.10356772	0.1247041	-0.0211364	0.77442408	0.90650187
Adpgk	0.20617595	0.20193317	0.22306964	-0.0211365	0.66320774	0.90650187
Syng1	0.12155723	0.11682024	0.13796335	-0.0211431	0.75215811	0.90650187
Gnl2	0.4425099	0.40243027	0.42357789	-0.0211476	0.58782438	0.90650187
Edc3	0.17930566	0.17576509	0.1969177	-0.0211526	0.6835113	0.90650187
Fbxo36	0.21024947	0.20581367	0.22696674	-0.0211531	0.66068226	0.90650187

Mapk9	0.21244045	0.20790158	0.22905568	-0.0211541	0.65930514	0.90650187
Vkorc1l1	0.20777769	0.20344654	0.22460408	-0.0211575	0.66230894	0.90650187
Ppfibp1	0.26843697	0.25961212	0.28078984	-0.0211777	0.63129925	0.90650187
Cpeb4	0.22978004	0.22422752	0.2454122	-0.0211847	0.64942083	0.90650187
Tbck	0.2990755	0.28661731	0.30781103	-0.0211937	0.62023325	0.90650187
Ik	0.86814941	0.66718554	0.68838437	-0.0211988	0.55444614	0.90650187
Rapgef1	0.13209099	0.12780762	0.1490088	-0.0212012	0.73647871	0.90650187
Hnrnpr	1.45696878	0.86447457	0.88570053	-0.021226	0.54242292	0.90650187
Osbpl5	0.15292712	0.14923968	0.17046819	-0.0212285	0.71007857	0.90650187
Mob1b	0.28879793	0.27761042	0.29884367	-0.0212332	0.62394803	0.90650187
Mcmbp	0.37191366	0.34745749	0.368694	-0.0212365	0.60104919	0.90650187
Poglut1	0.27714822	0.26731497	0.28856172	-0.0212468	0.62829057	0.90650187
Nabp2	0.61740241	0.52332846	0.54457784	-0.0212494	0.56885788	0.90650187
Foxo1	0.26752522	0.25871203	0.27997214	-0.0212601	0.63216156	0.90650187
Epb41	0.20951039	0.20499815	0.22626095	-0.0212628	0.66194399	0.90650187
Cbr1	0.68709824	0.56641604	0.58768187	-0.0212658	0.56390152	0.90650187
Med25	0.94707472	0.7062084	0.72748252	-0.0212741	0.55171876	0.90650187
Cdpf1	0.25618157	0.24845379	0.26973254	-0.0212788	0.63709572	0.90650187
Isca1	0.31979254	0.30431421	0.3255957	-0.0212815	0.61431083	0.90650187
Pbx3	0.1649736	0.16135591	0.18264453	-0.0212886	0.69782996	0.90650187
Taf5l	0.18408711	0.18033947	0.2016285	-0.021289	0.68060497	0.90650187
Srbd1	0.09034025	0.08318243	0.10447451	-0.0212921	0.81753791	0.9092537
Lasp1	0.79625026	0.62891266	0.6502072	-0.0212945	0.5578796	0.90650187
Edrf1	0.09401525	0.08716981	0.10846897	-0.0212992	0.8086541	0.9092537
Snx14	0.31920672	0.30379832	0.32509797	-0.0212996	0.61457587	0.90650187
BC029722	0.23779958	0.23156304	0.25287299	-0.0213099	0.64603487	0.90650187
Rnf103	0.12233732	0.11747055	0.13878601	-0.0213155	0.75262665	0.90650187
Mbd2	0.20151726	0.19727136	0.21859143	-0.0213201	0.66770959	0.90650187
1500026H17	0.10418514	0.09812957	0.11944983	-0.0213203	0.78625192	0.90650187
Bud13	0.10141967	0.09513951	0.11646803	-0.0213285	0.79221008	0.90681274

Trabd	0.51612703	0.45559888	0.47693018	-0.0213313	0.57880419	0.90650187
Rfxank	0.13326802	0.12889916	0.15023469	-0.0213355	0.73609124	0.90650187
Fam89b	0.08581905	0.07817529	0.0995344	-0.0213591	0.82995412	0.90974008
Haus1	0.22985434	0.22411794	0.24548161	-0.0213637	0.65058126	0.90650187
Nsf	0.35100517	0.33030867	0.35167984	-0.0213712	0.60647919	0.90650187
Eif2d	0.25247659	0.2449864	0.26636145	-0.021375	0.63936136	0.90650187
Usp42	0.15032404	0.1464388	0.16781527	-0.0213765	0.71440015	0.90650187
Plekhh3	0.19360504	0.18955301	0.21093199	-0.021379	0.67385517	0.90650187
Idh3b	0.87580028	0.67092781	0.69230928	-0.0213815	0.55460289	0.90650187
Foxk2	0.13195977	0.12749004	0.14887204	-0.021382	0.73842835	0.90650187
Mrpl45	0.28932049	0.27791852	0.29930196	-0.0213834	0.62461094	0.90650187
Ddx47	0.51205981	0.45268524	0.47407857	-0.0213933	0.57949941	0.90650187
Nipsnap1	0.3772264	0.3515631	0.37295939	-0.0213963	0.60065378	0.90650187
Bcr	0.13164658	0.1271473	0.14854551	-0.0213982	0.73904255	0.90650187
Dhx38	0.13672907	0.13242991	0.15382987	-0.0214	0.73186001	0.90650187
Tm9sf4	0.38096834	0.354549	0.37595021	-0.0214012	0.59989257	0.90650187
Zmym3	0.17945084	0.17565542	0.1970611	-0.0214057	0.68541737	0.90650187
Cep83	0.29687489	0.28448441	0.30589952	-0.0214151	0.62218467	0.90650187
Nipa2	0.42279658	0.38722023	0.40863554	-0.0214153	0.59211165	0.90650187
Dcaf6	0.25830203	0.25022244	0.27165595	-0.0214335	0.63711427	0.90650187
Tacc1	0.24885447	0.24161663	0.26305291	-0.0214363	0.64142635	0.90650187
Tbc1d23	0.15662827	0.15278711	0.17422682	-0.0214397	0.70783122	0.90650187
Afg3l2	0.33610973	0.31789492	0.33933575	-0.0214408	0.61060431	0.90650187
Lig4	0.09955657	0.09301175	0.11445661	-0.0214449	0.79756053	0.9075779
Srrm3	0.08860813	0.08113961	0.10258529	-0.0214457	0.82364971	0.9092537
Polr2i	1.03837656	0.74473813	0.76618695	-0.0214488	0.54952104	0.90650187
Utp6	0.19088294	0.18682954	0.20828117	-0.0214516	0.67647681	0.90650187
Tmed8	0.3176376	0.30230817	0.32376333	-0.0214552	0.6158509	0.90650187
BC004004	0.67830672	0.56092622	0.58238797	-0.0214618	0.56506608	0.90650187
Pink1	0.41561967	0.38165577	0.40312324	-0.0214675	0.59357128	0.90650187

Tbccd1	0.12723787	0.1224536	0.14393674	-0.0214831	0.74650275	0.90650187
Lemd3	0.07126759	0.06195283	0.08343789	-0.0214851	0.87384013	0.9235672
Atg14	0.09108953	0.08380039	0.10529045	-0.0214901	0.81789185	0.9092537
Cad	0.11933608	0.11412567	0.13561695	-0.0214913	0.75943847	0.90650187
Rnf40	0.23786085	0.231427	0.25292974	-0.0215027	0.64726311	0.90650187
Acvr1b	0.0709984	0.06162111	0.08313725	-0.0215161	0.87503814	0.92397668
Fam53c	0.1397723	0.13545696	0.15697933	-0.0215224	0.7289057	0.90650187
Pik3ip1	0.12515735	0.12021306	0.1417537	-0.0215406	0.75033563	0.90650187
Psme3	0.36492564	0.34148555	0.36304723	-0.0215617	0.60412093	0.90650187
Crat	0.15606814	0.15208527	0.173659	-0.0215737	0.70962151	0.90650187
Me2	0.15486318	0.15085749	0.17243628	-0.0215788	0.71100598	0.90650187
Hspbp1	0.3543393	0.33283597	0.35441691	-0.0215809	0.60668879	0.90650187
Zfp64	0.21455083	0.20946739	0.23106308	-0.0215957	0.66111081	0.90650187
Ralgapa1	0.18729048	0.1831749	0.20477061	-0.0215957	0.68041038	0.90650187
Tmem198	0.0825691	0.0743549	0.09596555	-0.0216106	0.84161406	0.91251845
Zfp606	0.19101098	0.18679072	0.20840604	-0.0216153	0.67763172	0.90650187
Zdhhc13	0.13334616	0.12868978	0.15031601	-0.0216262	0.73878276	0.90650187
Naa35	0.58937607	0.50485059	0.52647826	-0.0216277	0.57245388	0.90650187
Rps6kc1	0.10504545	0.09874596	0.12037547	-0.0216295	0.78779767	0.90650187
Ctnnd1	0.35818233	0.33592989	0.35756042	-0.0216305	0.60601048	0.90650187
Cdv3	0.734403	0.59384065	0.61548809	-0.0216474	0.56212428	0.90650187
Atg4b	0.404003	0.37247006	0.39411761	-0.0216475	0.59645509	0.90650187
Dlg4	0.16390639	0.15991879	0.18157245	-0.0216537	0.7020018	0.90650187
Mark3	0.18813364	0.18391169	0.20559579	-0.0216841	0.68042097	0.90650187
Diaph1	0.25283132	0.24499531	0.26668478	-0.0216895	0.64116002	0.90650187
Sall1	0.06878624	0.05896689	0.08066269	-0.0216958	0.88409944	0.9278081
Hnrnpa2b1	2.7422144	0.85119209	0.87288851	-0.0216964	0.54399337	0.90650187
Arhgap17	0.2187964	0.21338186	0.23508758	-0.0217057	0.65926733	0.90650187
Nacc1	0.19123002	0.1869116	0.2086196	-0.021708	0.67817065	0.90650187
Man2b2	0.18863353	0.18437356	0.20608467	-0.0217111	0.68023159	0.90650187

Pitpnm1	0.0755904	0.06653915	0.08825134	-0.0217122	0.86296503	0.91950555
Snupn	0.11564907	0.1099902	0.13170873	-0.0217185	0.7682429	0.90650187
Cep350	0.1900991	0.18579627	0.20751639	-0.0217201	0.67914465	0.90650187
Cep131	0.12418026	0.11900555	0.14072659	-0.021721	0.75369898	0.90650187
Atn1.1	0.23104351	0.22486326	0.2465919	-0.0217286	0.65237045	0.90650187
Tmbim4	0.92319842	0.69427793	0.71600679	-0.0217289	0.55365931	0.90650187
Gm26518	0.22903801	0.22298836	0.24471861	-0.0217302	0.65348847	0.90650187
Donson	0.08732095	0.07944166	0.10117864	-0.021737	0.83023228	0.90977227
Zfp949	0.15115268	0.14692358	0.16866062	-0.021737	0.71666114	0.90650187
Pogk	0.14213886	0.13768114	0.15942097	-0.0217398	0.72782096	0.90650187
Esrp2	0.10270381	0.09610731	0.11785382	-0.0217465	0.79397969	0.90731056
Atp6v0a2	0.24786781	0.24040019	0.26214945	-0.0217493	0.64387286	0.90650187
Alkbh3	0.20586252	0.20101281	0.22276907	-0.0217563	0.66791771	0.90650187
Edem3	0.11769459	0.11210973	0.13387903	-0.0217693	0.76512148	0.90650187
C77080	0.06691141	0.05678876	0.07855988	-0.0217711	0.89102564	0.93109327
Hnrnpdl	1.37522689	0.84714448	0.86892596	-0.0217815	0.54436572	0.90650187
Nr5a2	0.07577251	0.06667191	0.08845353	-0.0217816	0.86318195	0.9195619
Rab11fip2	0.42854712	0.39124185	0.41302363	-0.0217818	0.59268201	0.90650187
Tmem53	0.23926423	0.23244235	0.25422868	-0.0217863	0.64838715	0.90650187
Sbk1	0.32237546	0.30598768	0.32778631	-0.0217986	0.61624908	0.90650187
Nploc4	0.10655252	0.10019303	0.12199477	-0.0218017	0.78654091	0.90650187
Lig3	0.16026974	0.15610096	0.17790957	-0.0218086	0.70710733	0.90650187
Zbtb17	0.08699624	0.07900052	0.10082342	-0.0218229	0.83203472	0.91015207
Bag4	0.30506509	0.29115862	0.31299182	-0.0218332	0.62176125	0.90650187
Mypop	0.15837871	0.15416161	0.17599899	-0.0218374	0.70938749	0.90650187
Zfp280b	0.10030253	0.09340717	0.11526076	-0.0218536	0.80035577	0.90806412
Dcaf15	0.08285671	0.07442438	0.09628198	-0.0218576	0.84356687	0.91300169
Anxa7	0.49030196	0.43675831	0.45863923	-0.0218809	0.5839826	0.90650187
Agk	0.2328355	0.22638128	0.24826235	-0.0218811	0.65240509	0.90650187
Trnt1	0.45182907	0.40865521	0.43054156	-0.0218863	0.58939538	0.90650187

Slc25a16	0.12241902	0.11698217	0.13887213	-0.02189	0.75826938	0.90650187
Plpp6	0.11793464	0.11222962	0.13413338	-0.0219038	0.76606839	0.90650187
Slc30a5	0.47490565	0.4256121	0.44751921	-0.0219071	0.58613849	0.90650187
Tspyl4	0.24169178	0.23455794	0.25647097	-0.021913	0.64796613	0.90650187
Ccdc127	0.619707	0.52412491	0.54604566	-0.0219208	0.57082182	0.90650187
Fam208a	0.34296572	0.32312027	0.34504125	-0.021921	0.61119538	0.90650187
Atp7a	0.14099782	0.13631307	0.15824455	-0.0219315	0.73109465	0.90650187
Smn1	0.38931022	0.36060232	0.38257803	-0.0219757	0.60077768	0.90650187
Zfp433	0.13782016	0.13297811	0.1549603	-0.0219822	0.73586202	0.90650187
Fnbp4	0.317426	0.30159877	0.32358318	-0.0219844	0.61868801	0.90650187
Noc2l	0.22627691	0.22014557	0.24213289	-0.0219873	0.65678016	0.90650187
Mcm3ap	0.13010126	0.12494102	0.14693272	-0.0219917	0.74709705	0.90650187
Tbc1d22b	0.17494225	0.17060194	0.19259689	-0.021995	0.69416716	0.90650187
G2e3	0.20749206	0.20232774	0.22433064	-0.0220029	0.66859473	0.90650187
Arl16	0.30009119	0.28668749	0.30869182	-0.0220043	0.62433797	0.90650187
Ccdc61	0.12321351	0.11768849	0.13970913	-0.0220206	0.75825692	0.90650187
Trp53bp2	0.16395127	0.15958299	0.18161756	-0.0220346	0.70518039	0.90650187
Lsm7	0.99156737	0.72519577	0.74723538	-0.0220396	0.55216082	0.90650187
lpp	0.09081439	0.08294538	0.10499092	-0.0220455	0.8247111	0.90934433
Coq5	0.37255652	0.34716206	0.36921132	-0.0220493	0.60468445	0.90650187
Btrc	0.43409672	0.39516839	0.41723541	-0.022067	0.59294305	0.90650187
Khdrbs1	1.09983551	0.76711821	0.78918891	-0.0220707	0.5494719	0.90650187
Wdr37	0.15481995	0.15030566	0.17239238	-0.0220867	0.71551398	0.90650187
Zfp532	0.13804352	0.13309824	0.15519154	-0.0220933	0.73659504	0.90650187
Tmem260	0.10551937	0.09878983	0.12088499	-0.0220952	0.79176496	0.90681274
Eif3k	1.99038933	0.90508244	0.92717917	-0.0220967	0.54218846	0.90650187
Dpp3	0.51464095	0.45379223	0.47588949	-0.0220973	0.58177072	0.90650187
Tpgs2	0.23584554	0.2289556	0.251061	-0.0221054	0.65225893	0.90650187
Snx11	0.09486362	0.08728096	0.10938842	-0.0221075	0.81552974	0.9092537
Glb1l2	0.11041337	0.10400516	0.12613019	-0.022125	0.78225232	0.90650187

Tcta	0.36105881	0.33776665	0.35990543	-0.0221388	0.60775078	0.90650187
Ubxn2b	0.20695918	0.20167263	0.2238203	-0.0221477	0.66999728	0.90650187
Gatc	0.20698372	0.20169051	0.2238438	-0.0221533	0.67002102	0.90650187
Dnajc19	0.80485612	0.63274447	0.65489801	-0.0221535	0.55976901	0.90650187
Klc4	0.16488457	0.16039198	0.18255514	-0.0221632	0.70530496	0.90650187
Dhrs7b	0.26945034	0.2595243	0.28169778	-0.0221735	0.63680445	0.90650187
Gphn	0.22628127	0.21995428	0.24213698	-0.0221827	0.65809576	0.90650187
Slc35e2	0.09300256	0.08516965	0.10737013	-0.0222005	0.82100439	0.9092537
Dlg5	0.14791502	0.14314697	0.16535292	-0.0222059	0.72475276	0.90650187
Dvl3	0.13862989	0.1335822	0.15579831	-0.0222161	0.73693442	0.90650187
1810030007	0.20957955	0.20410666	0.22632701	-0.0222204	0.66874889	0.90650187
Nup153	0.17153183	0.16697401	0.18920465	-0.0222306	0.6992823	0.90650187
Ttc33	0.41850419	0.38309568	0.40534374	-0.0222481	0.59638674	0.90650187
Mov10	0.28964159	0.27733412	0.29958345	-0.0222493	0.6293621	0.90650187
Med23	0.12433079	0.11863062	0.14088491	-0.0222543	0.75873258	0.90650187
Stox2	0.15641987	0.15176091	0.17401559	-0.0222547	0.71516728	0.90650187
Pigyl	0.75788694	0.60662698	0.62888304	-0.0222561	0.5625073	0.90650187
Adck5	0.23341158	0.22653532	0.24879867	-0.0222633	0.65461409	0.90650187
Sap30bp	0.25802802	0.24913771	0.27140765	-0.0222699	0.64236119	0.90650187
Zfp60	0.17839652	0.17374628	0.19601917	-0.0222729	0.69326865	0.90650187
B230217C12	0.13404922	0.12877092	0.1510474	-0.0222765	0.74397158	0.90650187
Gpkow	0.11073293	0.10419071	0.12647164	-0.0222809	0.78324439	0.90650187
C330007P06I	0.22504137	0.2186912	0.24097333	-0.0222821	0.65949042	0.90650187
Rbm15b	0.16728331	0.16265876	0.18496039	-0.0223016	0.70403103	0.90650187
Sik3	0.15115157	0.14635517	0.16865949	-0.0223043	0.72170294	0.90650187
Fzr1	0.45902429	0.41357039	0.43587554	-0.0223051	0.58998091	0.90650187
Bcorl1	0.11280388	0.10636578	0.12868143	-0.0223156	0.77963084	0.90650187
Lemd2	0.08948461	0.08121591	0.10354179	-0.0223259	0.83111237	0.9098597
Ppat	0.1952379	0.19018519	0.21251828	-0.0223331	0.67981416	0.90650187
Cramp1l	0.30997009	0.29487102	0.31721071	-0.0223397	0.62289142	0.90650187

Ppid	0.93855214	0.70109721	0.72344268	-0.0223455	0.55460888	0.90650187
Larp1b	0.10508118	0.09805844	0.1204139	-0.0223555	0.79541346	0.9075779
Tmtc2	0.14972044	0.14483619	0.16719899	-0.0223628	0.72394395	0.90650187
Scrib	0.13587079	0.13057307	0.15293965	-0.0223666	0.74220083	0.90650187
Klhl36	0.09379277	0.08584828	0.10822768	-0.0223794	0.82102179	0.9092537
Foxo4	0.1257313	0.11996834	0.14235645	-0.0223881	0.75777136	0.90650187
Ldoc1l	0.11658352	0.11029973	0.13270082	-0.0224011	0.77351057	0.90650187
Ubr7	0.20970343	0.20403075	0.22644535	-0.0224146	0.6700483	0.90650187
Scaf1	0.36939839	0.34423747	0.36666629	-0.0224288	0.60716433	0.90650187
Cask	0.21021648	0.20450047	0.22693525	-0.0224348	0.6698474	0.90650187
Hmces	0.28831094	0.27597887	0.29841635	-0.0224375	0.63090779	0.90650187
Sp1	0.16797336	0.16321187	0.18565111	-0.0224392	0.70448033	0.90650187
Dhx40	0.31655015	0.30039739	0.32283713	-0.0224397	0.62134112	0.90650187
Ermard	0.1058299	0.09877596	0.1212187	-0.0224427	0.79476613	0.90731056
Rint1	0.42714895	0.38950396	0.41195895	-0.022455	0.59573403	0.90650187
Mea1	0.70574541	0.5763163	0.59877707	-0.0224608	0.56622033	0.90650187
Sgsm2	0.15738209	0.15252205	0.17499042	-0.0224684	0.71593433	0.90650187
1700113A16l	0.06670179	0.05584486	0.07832445	-0.0224796	0.89900743	0.93440169
Kif3b	0.18173305	0.17682884	0.19931234	-0.0224835	0.69198627	0.90650187
Adi1	0.30565087	0.29101004	0.31349678	-0.0224867	0.62509045	0.90650187
Adcy6	0.14076245	0.13550026	0.15800169	-0.0225014	0.73666923	0.90650187
Grwd1	0.1837546	0.17879193	0.2013017	-0.0225098	0.6904451	0.90650187
Mus81	0.15449256	0.14954956	0.17205986	-0.0225103	0.71958569	0.90650187
Smarcd1	0.28616733	0.2740188	0.29653282	-0.022514	0.63214097	0.90650187
Wdr73	0.17599639	0.17111783	0.19364266	-0.0225248	0.6974639	0.90650187
St7l	0.36085853	0.33721744	0.35974237	-0.0225249	0.60963104	0.90650187
Coil	0.12539079	0.1194556	0.1419989	-0.0225433	0.75983462	0.90650187
Hivep1	0.12479625	0.11883024	0.14137427	-0.022544	0.76081039	0.90650187
D11Wsu47e	0.10408536	0.09679145	0.11934241	-0.022551	0.79955774	0.90799325
Rilpl2	0.33764642	0.31805361	0.34061801	-0.0225644	0.61581258	0.90650187

Fam53a	0.28146873	0.26981794	0.29238956	-0.0225716	0.63427142	0.90650187
Zfp410	0.30823053	0.29314498	0.31571692	-0.0225719	0.62469501	0.90650187
Dlg1	0.22640126	0.21967697	0.2422495	-0.0225725	0.66064957	0.90650187
Gtf3c6	0.52660007	0.46164614	0.48422145	-0.0225753	0.58209754	0.90650187
Msl1	0.73438658	0.5928947	0.61547863	-0.0225839	0.56478956	0.90650187
Fbxo34	0.1190483	0.1127234	0.1353125	-0.0225891	0.77100194	0.90650187
Zfp113	0.13620053	0.13065546	0.15328176	-0.0226263	0.74416094	0.90650187
Zfp938	0.27661625	0.26546153	0.28808922	-0.0226277	0.63652135	0.90650187
Tubgcp5	0.17910259	0.17408659	0.19671708	-0.0226305	0.69547362	0.90650187
Sort1	0.14431333	0.13901891	0.16165865	-0.0226397	0.73322367	0.90650187
Amigo1	0.1161581	0.10960874	0.13224929	-0.0226406	0.77669245	0.90650187
1700037C18I	0.08426559	0.07518301	0.09783037	-0.0226474	0.84829323	0.91440801
Arxes1	0.28548711	0.27327595	0.29593425	-0.0226583	0.63321455	0.90650187
Mllt4	0.25776719	0.24849422	0.27117122	-0.022677	0.64496753	0.90650187
Mical2	0.18775217	0.18253988	0.20522255	-0.0226827	0.68841421	0.90650187
Manba	0.1125498	0.10572026	0.12841061	-0.0226903	0.78393307	0.90650187
Usp37	0.22089042	0.21437535	0.23706575	-0.0226904	0.66476561	0.90650187
Cnst	0.15161279	0.14643414	0.16912967	-0.0226955	0.72459825	0.90650187
Ssrp1	1.11773616	0.77278394	0.795481	-0.0226971	0.55046815	0.90650187
Ict1	0.79354202	0.6260207	0.64872432	-0.0227036	0.56181966	0.90650187
Dyrk1b	0.08036498	0.07082136	0.09353663	-0.0227153	0.85984221	0.91802142
Lmnb2	0.22435583	0.21761253	0.24032928	-0.0227167	0.66283542	0.90650187
Cul9	0.11720552	0.11063202	0.13336059	-0.0227286	0.7756734	0.90650187
Rora	0.16826195	0.16319353	0.18593982	-0.0227463	0.7067234	0.90650187
Med13	0.31236817	0.29651097	0.31926563	-0.0227547	0.62432007	0.90650187
Zmym2	0.26073603	0.25108997	0.27385846	-0.0227685	0.64416202	0.90650187
1700007K13I	0.13153395	0.12565407	0.14842806	-0.022774	0.75241511	0.90650187
Gm26917	1.36422686	0.84365377	0.86643252	-0.0227788	0.54652093	0.90650187
Sec63	0.38774434	0.35855282	0.38133804	-0.0227852	0.60473721	0.90650187
Tfe3	0.21990313	0.21334487	0.23613364	-0.0227888	0.66605156	0.90650187

Dcaf11	0.46933755	0.42066886	0.44345795	-0.0227891	0.5903547	0.90650187
Gucd1	0.19161158	0.186195	0.20899151	-0.0227965	0.68613375	0.90650187
Zdhhc12	0.34084591	0.3204662	0.34328137	-0.0228152	0.61618026	0.90650187
Kbtbd7	0.08323901	0.07386824	0.09670241	-0.0228342	0.85307969	0.91566617
Nrf1	0.26117012	0.2513983	0.27425067	-0.0228524	0.64447164	0.90650187
Vezf1	0.55981566	0.48402898	0.5068834	-0.0228544	0.57943333	0.90650187
2310057M21	0.21850558	0.21194749	0.23481248	-0.022865	0.66745389	0.90650187
Mios	0.127423	0.12125824	0.14413074	-0.0228725	0.75974591	0.90650187
Ankrd27	0.14992603	0.14453389	0.16740895	-0.0228751	0.7282257	0.90650187
Tor1a	0.48574735	0.43248602	0.4553663	-0.0228803	0.58837755	0.90650187
Ercc5	0.12524177	0.1189488	0.14184238	-0.0228936	0.76347578	0.90650187
Kctd15	0.11052408	0.10334911	0.12624851	-0.0228994	0.78998224	0.90650187
Harbi1	0.16629684	0.16105762	0.18397202	-0.0229144	0.71011366	0.90650187
Nme3	0.1112191	0.10407532	0.12699088	-0.0229156	0.78878469	0.90650187
Mlst8	0.0757189	0.06547638	0.08839401	-0.0229176	0.87546233	0.92418014
Snrpf	2.00143238	0.90417401	0.9270958	-0.0229218	0.5437614	0.90650187
Bbs2	0.14499491	0.13942691	0.16235891	-0.022932	0.73496823	0.90650187
Smndc1	0.41437095	0.37921713	0.40216005	-0.0229429	0.60010482	0.90650187
Mon1a	0.08642634	0.07725449	0.10019963	-0.0229451	0.84566537	0.9136218
Max	0.52557603	0.46055644	0.48351167	-0.0229552	0.58357972	0.90650187
Letm1	0.38345164	0.35494561	0.37792895	-0.0229833	0.60655631	0.90650187
Kazn	0.14717089	0.14160704	0.16459089	-0.0229839	0.73263265	0.90650187
Phf1	0.1920019	0.18636653	0.20937179	-0.0230053	0.6873923	0.90650187
Rlim	0.44761893	0.40439765	0.42740353	-0.0230059	0.59456119	0.90650187
Lrrc47	0.14887668	0.1433273	0.16633676	-0.0230095	0.7307105	0.90650187
Ube4a	0.26013564	0.25030554	0.2733157	-0.0230102	0.64589861	0.90650187
Acox1	0.22760354	0.22036178	0.24337621	-0.0230144	0.66289996	0.90650187
Brc3	0.34452664	0.32331994	0.34633473	-0.0230148	0.61616404	0.90650187
Rpp30	0.26967784	0.25887496	0.28190147	-0.0230265	0.64174601	0.90650187
Dstyk	0.13942865	0.13358968	0.15662423	-0.0230345	0.74338296	0.90650187

Tfcp2	0.13591266	0.12993657	0.15298309	-0.0230465	0.74848169	0.90650187
Ganab	0.45271989	0.40815009	0.43120392	-0.0230538	0.59393509	0.90650187
Irf2	0.51623954	0.45395272	0.47700891	-0.0230562	0.5850688	0.90650187
Atp13a3	0.26506889	0.25470496	0.27776525	-0.0230603	0.64396515	0.90650187
Dync1h1	0.65277485	0.54372094	0.56678341	-0.0230625	0.57177387	0.90650187
Zfp317	0.10563521	0.09793733	0.1210095	-0.0230722	0.80167451	0.90839694
Cln5	0.19319311	0.1874531	0.21053135	-0.0230783	0.68698541	0.90650187
Sppl3	0.26334077	0.2531301	0.2762092	-0.0230791	0.64485246	0.90650187
Zfp707	0.13766783	0.13171924	0.15480256	-0.0230833	0.74630427	0.90650187
Tm9sf2	0.84067475	0.65098225	0.67406785	-0.0230856	0.5605067	0.90650187
Pak4	0.35220734	0.32957492	0.35266778	-0.0230929	0.6145128	0.90650187
Zfp609	0.13104702	0.12482254	0.14792012	-0.0230976	0.75621434	0.90650187
Naa30	0.16620168	0.16076782	0.18387662	-0.0231088	0.71181824	0.90650187
1700096K18I	0.16608737	0.16065121	0.18376201	-0.0231108	0.71195358	0.90650187
Tut1	0.1001835	0.09201594	0.11513205	-0.0231161	0.81396017	0.9092537
Pex6	0.19958503	0.1936081	0.21672734	-0.0231192	0.68233278	0.90650187
Mief2	0.10098956	0.09285366	0.11600341	-0.0231497	0.81250613	0.9092537
Mtx2	0.74845492	0.60037975	0.62353483	-0.0231551	0.56556279	0.90650187
Emc2	0.59901256	0.50959313	0.53275267	-0.0231595	0.57662119	0.90650187
Psme4	0.31583154	0.29906375	0.32222451	-0.0231608	0.62534148	0.90650187
Macf1	0.52364302	0.45898711	0.48217007	-0.023183	0.58462775	0.90650187
Pnir	1.47061115	0.86503432	0.88823609	-0.0232018	0.54622305	0.90650187
Pnck	0.12669959	0.12015242	0.14337243	-0.02322	0.76423513	0.90650187
Larp4b	0.57042511	0.49072146	0.51397739	-0.0232559	0.57970947	0.90650187
Polr3c	0.2217871	0.21465444	0.23791146	-0.023257	0.66806631	0.90650187
Kptn	0.18457581	0.1788433	0.20210857	-0.0232653	0.69558559	0.90650187
Ccdc53	0.58518342	0.50046039	0.52373072	-0.0232703	0.57829225	0.90650187
Zzef1	0.22057899	0.2134948	0.23677183	-0.023277	0.66896155	0.90650187
Trim56	0.11987629	0.11289012	0.13618817	-0.0232981	0.77652842	0.90650187
Arl8a	0.21010542	0.20352211	0.22682922	-0.0233071	0.67609045	0.90650187

Thap2	0.23749832	0.22927773	0.25259388	-0.0233161	0.65922905	0.90650187
Alas1	0.31760166	0.30041635	0.32373274	-0.0233164	0.62558724	0.90650187
Uba3	0.51137017	0.45026265	0.47359399	-0.0233313	0.58667898	0.90650187
Cog7	0.40318236	0.37014331	0.39347756	-0.0233343	0.60396983	0.90650187
Vezt	0.19622022	0.19013327	0.21347122	-0.0233379	0.68652359	0.90650187
Scaf4	0.16688136	0.1612078	0.18455779	-0.02335	0.71309587	0.90650187
D5Erttd579e	0.31497575	0.2981424	0.32149435	-0.0233519	0.62661809	0.90650187
Gtpbp1	0.09287284	0.08387252	0.10722926	-0.0233567	0.83356391	0.91060043
Pbrm1	1.09631534	0.76454795	0.78793757	-0.0233896	0.55249445	0.90650187
Wiz	0.17049049	0.16476741	0.1881662	-0.0233988	0.70980631	0.90650187
Got1	0.1461901	0.14017412	0.16358555	-0.0234114	0.73768664	0.90650187
Bet1l	0.58713501	0.5015935	0.52501091	-0.0234174	0.57859103	0.90650187
Pgls	1.57546711	0.8816412	0.90509002	-0.0234488	0.54584701	0.90650187
Msh6	0.13492457	0.12850437	0.15195721	-0.0234528	0.75368375	0.90650187
D730003I15F	0.08674075	0.07709029	0.10054382	-0.0234535	0.8501349	0.91476609
Prkce	0.17598964	0.17018018	0.19363597	-0.0234558	0.704888	0.90650187
Lypla2	0.35942738	0.33511131	0.35857626	-0.0234649	0.61444259	0.90650187
Slc25a23	0.21132735	0.20453008	0.22799504	-0.023465	0.67635713	0.90650187
Tnk1	0.11629328	0.10892381	0.13239279	-0.023469	0.78467002	0.90650187
Naa15	0.71134104	0.57860151	0.60207246	-0.023471	0.56879444	0.90650187
Snrnp35	0.18054584	0.17466986	0.19814195	-0.0234721	0.70077506	0.90650187
Lrrcc1	0.26960442	0.25835727	0.28183574	-0.0234785	0.64443672	0.90650187
Psmc6	1.16665975	0.78842872	0.81191151	-0.0234828	0.55115485	0.90650187
Acp6	0.20371868	0.19722714	0.22071041	-0.0234833	0.68189563	0.90650187
2900093K20I	0.1761289	0.17028989	0.19377404	-0.0234842	0.70498016	0.90650187
Mau2	0.42019052	0.38315068	0.4066389	-0.0234882	0.60132821	0.90650187
Hdhd3	0.15346496	0.14752582	0.17101536	-0.0234895	0.72927412	0.90650187
Zfp961	0.10557001	0.09744204	0.12093942	-0.0234974	0.8061344	0.9092537
Rnf215	0.25496361	0.24509547	0.2686258	-0.0235303	0.65151494	0.90650187
Wbp11	1.05450396	0.74888988	0.77242957	-0.0235397	0.55388352	0.90650187

Cdk8	0.22116496	0.21377586	0.23732477	-0.0235489	0.6704377	0.90650187
Cgrrf1	0.21968878	0.21237609	0.23593114	-0.0235551	0.6714221	0.90650187
Sgf29	0.25301489	0.24328309	0.26685206	-0.023569	0.65270947	0.90650187
Mettl9	1.09137488	0.76260367	0.78617352	-0.0235698	0.55301455	0.90650187
Zfp414	0.36077521	0.33610037	0.35967453	-0.0235742	0.6146191	0.90650187
Slc2a8	0.10693749	0.09882306	0.12240795	-0.0235849	0.80415461	0.90882608
Tfb2m	0.15354205	0.14750619	0.17109376	-0.0235876	0.73002429	0.90650187
Fam76b	0.25421866	0.2443563	0.26794818	-0.0235919	0.65225646	0.90650187
Traf3ip1	0.12714178	0.12024062	0.14383603	-0.0235954	0.76708298	0.90650187
Dck	0.0943528	0.08523922	0.10883492	-0.0235957	0.8324318	0.91029548
Gm26853	0.16525022	0.15932548	0.18292219	-0.0235967	0.71683917	0.90650187
Med17	0.17172964	0.16579585	0.18940177	-0.0236059	0.71023593	0.90650187
Chchd6	0.45651669	0.41040793	0.43402073	-0.0236128	0.59555651	0.90650187
Ints8	0.21059387	0.20367744	0.22729543	-0.023618	0.67793692	0.90650187
Cdkn2aip	0.24931724	0.23985171	0.26347632	-0.0236246	0.65491174	0.90650187
Zfp652	0.25145264	0.24179636	0.26542743	-0.0236311	0.65387129	0.90650187
Taf7	0.51771593	0.45440951	0.4780413	-0.0236318	0.58697361	0.90650187
Cyhr1	0.53627694	0.46725931	0.49089592	-0.0236366	0.5847482	0.90650187
Senp7	0.33055278	0.3110369	0.33468219	-0.0236453	0.62327064	0.90650187
Parp6	0.15184365	0.14571756	0.16936493	-0.0236474	0.73260556	0.90650187
Ccdc50	0.41408949	0.37828074	0.40194279	-0.0236621	0.60322721	0.90650187
Nubpl	0.1132459	0.10548346	0.1291524	-0.0236689	0.79238313	0.90681274
Samd10	0.24298139	0.2339907	0.25765979	-0.0236691	0.65850315	0.90650187
E130308A19	0.09701172	0.08804153	0.11171205	-0.0236705	0.82689698	0.90947782
Bcl7a	0.31118665	0.29457754	0.31825382	-0.0236763	0.629575	0.90650187
Akt3	0.11482049	0.10715049	0.13082814	-0.0236776	0.7894685	0.90650187
Fsd1l	0.09321402	0.08391702	0.10759969	-0.0236827	0.83608086	0.91079271
1810024B03	0.12530432	0.11822334	0.14190808	-0.0236847	0.77095046	0.90650187
Hivep3	0.11220186	0.10435364	0.1280396	-0.023686	0.7945724	0.90731056
Dnajc2	0.52983734	0.4627628	0.48646086	-0.0236981	0.5857278	0.90650187

Ndufaf5	0.1335104	0.12678441	0.15048692	-0.0237025	0.75810108	0.90650187
Ankfy1	0.2317891	0.22356048	0.24728731	-0.0237268	0.66514608	0.90650187
Ide	0.16564879	0.15958625	0.18332213	-0.0237359	0.71755745	0.90650187
Ppp1r16a	0.29235707	0.27822238	0.30196016	-0.0237378	0.63663524	0.90650187
Adck1	0.13203774	0.12520546	0.1489533	-0.0237478	0.76076626	0.90650187
Bysl	0.19298405	0.18657917	0.21032796	-0.0237488	0.69215473	0.90650187
Hibch	0.23372826	0.22534175	0.24909336	-0.0237516	0.66418009	0.90650187
Cggbp1	0.67609546	0.55728674	0.58105023	-0.0237635	0.5721357	0.90650187
Mthfd1l	0.13169099	0.12482592	0.14859182	-0.0237659	0.76146841	0.90650187
Ptpn14	0.1182015	0.11063385	0.13441607	-0.0237822	0.7842304	0.90650187
Anapc10	0.37547055	0.34775331	0.37155217	-0.0237989	0.61208305	0.90650187
Tead1	0.32252872	0.30411645	0.32791608	-0.0237996	0.6265218	0.90650187
Cdc42bpa	0.37576741	0.34798919	0.37179026	-0.0238011	0.61202333	0.90650187
Smg9	0.16248168	0.15633442	0.18013924	-0.0238048	0.72155678	0.90650187
Unk	0.12006548	0.11257202	0.13638814	-0.0238161	0.78121187	0.90650187
Zfx	0.26164759	0.25086273	0.27468187	-0.0238191	0.6500674	0.90650187
Arnt	0.21602677	0.20864222	0.23246426	-0.023822	0.67564992	0.90650187
Hira	0.09707202	0.08793474	0.11177718	-0.0238424	0.828502	0.9096066
Dnajb14	0.45320121	0.4077156	0.43156157	-0.023846	0.59702047	0.90650187
Jph4	0.0923706	0.08283597	0.10668368	-0.0238477	0.83982915	0.91213511
Pcgf6	0.22749146	0.21942057	0.24327123	-0.0238507	0.66852856	0.90650187
Fam131a	0.1449604	0.13846979	0.16232347	-0.0238537	0.74321488	0.90650187
Tada2a	0.14210174	0.13552497	0.15938272	-0.0238578	0.74712058	0.90650187
Hacl1	0.1026176	0.09390173	0.11776085	-0.0238591	0.81612842	0.9092537
Yeats4	0.60475103	0.51259813	0.53646322	-0.0238651	0.57838636	0.90650187
Trim3	0.10324075	0.09453974	0.11843264	-0.0238929	0.81510527	0.9092537
E130309D02	0.20632622	0.1992979	0.22321372	-0.0239158	0.68307548	0.90650187
Stk3	0.26422984	0.25309379	0.27701011	-0.0239163	0.64944475	0.90650187
Fopnl	0.55770608	0.48153928	0.50546461	-0.0239253	0.58333217	0.90650187
Aars	0.5649677	0.4864066	0.51033713	-0.0239305	0.58256572	0.90650187

1600002K03I	0.14899072	0.14251658	0.16645336	-0.0239368	0.73868587	0.90650187
Al480526	0.14822488	0.14172774	0.16567005	-0.0239423	0.73971602	0.90650187
Dopey2	0.14572694	0.13916428	0.16311039	-0.0239461	0.74301098	0.90650187
AW549877	0.11161664	0.10345209	0.12741525	-0.0239632	0.79844827	0.90770671
Pcgf2	0.33426113	0.31379708	0.33779058	-0.0239935	0.62391318	0.90650187
Kin	0.36620527	0.34009066	0.36408427	-0.0239936	0.61522786	0.90650187
Ints7	0.15693881	0.15052542	0.17454146	-0.024016	0.72962969	0.90650187
Phykpl	0.22059701	0.21276752	0.23678885	-0.0240213	0.67400158	0.90650187
Tgfbrap1	0.09119867	0.08138419	0.10540923	-0.024025	0.84452959	0.91320576
Asxl2	0.43213312	0.39172121	0.41574773	-0.0240265	0.60137839	0.90650187
Al837181	0.08585375	0.07554506	0.09957243	-0.0240274	0.8583081	0.91744797
Ctnnbl1	0.58569268	0.50003426	0.52406499	-0.0240307	0.58076504	0.90650187
Btbd6	0.13909695	0.13223479	0.15628134	-0.0240466	0.75302267	0.90650187
Epb41l5	0.18769981	0.18112144	0.2051713	-0.0240499	0.69885393	0.90650187
Zbtb1	0.33066868	0.31071487	0.33477951	-0.0240646	0.6253488	0.90650187
Mnt	0.11392175	0.10580716	0.12987204	-0.0240649	0.79496117	0.90731056
Mtfr1l	0.77204697	0.6127667	0.63683328	-0.0240666	0.56670993	0.90650187
Srsf6	1.66008749	0.89061217	0.91468314	-0.024071	0.54656655	0.90650187
Pdcd7	0.09747955	0.08814365	0.11221726	-0.0240736	0.82988263	0.90974008
Cops3	0.9079178	0.68441528	0.70849405	-0.0240788	0.56004672	0.90650187
Xrcc4	0.257332	0.24669362	0.2707766	-0.024083	0.65372393	0.90650187
Dvl2	0.26321939	0.25201433	0.27609981	-0.0240855	0.65092208	0.90650187
Tmem69	0.09282633	0.083091	0.10717876	-0.0240878	0.84113225	0.91251845
Rad51d	0.11274982	0.10453436	0.12862381	-0.0240895	0.79746493	0.9075779
Sart1	0.46874387	0.41893352	0.44302348	-0.02409	0.59550741	0.90650187
Arvcf	0.21332157	0.20580116	0.22989436	-0.0240932	0.67935818	0.90650187
Ascc3	0.38290887	0.35340279	0.37749687	-0.0240941	0.61169703	0.90650187
Actl6b	0.1208852	0.11315871	0.13725406	-0.0240953	0.78243378	0.90650187
Dgkz	0.17946548	0.17297629	0.19707557	-0.0240993	0.70665143	0.90650187
Arhgap39	0.12051274	0.11275631	0.13686071	-0.0241044	0.78317946	0.90650187

Nol8	0.1392526	0.13233723	0.15644226	-0.024105	0.75332504	0.90650187
Mef2d	0.19528599	0.18845644	0.21256495	-0.0241085	0.69294243	0.90650187
Birc2	0.39840941	0.36563591	0.38974479	-0.0241089	0.60834066	0.90650187
Apobec3	0.19746564	0.19055733	0.2146779	-0.0241206	0.69128473	0.90650187
Sos2	0.14513665	0.13836757	0.16250446	-0.0241369	0.74547219	0.90650187
Eif1ad	0.30147184	0.28574406	0.30988762	-0.0241436	0.63546406	0.90650187
Wwox	0.19504338	0.18818525	0.21232945	-0.0241442	0.69340126	0.90650187
Mkrn2	0.21600929	0.20828908	0.23244768	-0.0241586	0.6779729	0.90650187
Get4	0.55060178	0.47649279	0.50066674	-0.0241739	0.5849797	0.90650187
Zc3h4	0.11104708	0.10262373	0.1268072	-0.0241835	0.80173196	0.90839694
Wdr75	0.22852151	0.22004296	0.2442355	-0.0241925	0.67016027	0.90650187
Ccdc92	0.20344579	0.19623499	0.22044802	-0.024213	0.68732625	0.90650187
Tmem129	0.20262361	0.19542648	0.21965699	-0.0242305	0.68807382	0.90650187
Tnip1	0.18259104	0.17591636	0.20015722	-0.0242409	0.70485067	0.90650187
Tmem39b	0.21924184	0.21126716	0.23550874	-0.0242416	0.67637971	0.90650187
Pigq	0.19580399	0.18881497	0.21306756	-0.0242526	0.69358037	0.90650187
Lrrc40	0.15201827	0.1452888	0.16954283	-0.024254	0.73760151	0.90650187
Slc9a8	0.12484986	0.11717623	0.14143061	-0.0242544	0.77708665	0.90650187
Akap11	0.39809299	0.36522145	0.38949672	-0.0242753	0.60913723	0.90650187
Socs7	0.18501584	0.17826468	0.20254061	-0.0242759	0.70292697	0.90650187
Mxd1	0.14302553	0.13604794	0.16033408	-0.0242861	0.74964888	0.90650187
Nop16	0.4272216	0.38771584	0.41201431	-0.0242985	0.60340823	0.90650187
Toe1	0.21026679	0.20267243	0.22698327	-0.0243108	0.68301361	0.90650187
Dis3l	0.13394468	0.12662603	0.15093868	-0.0243127	0.76302965	0.90650187
Abce1	0.49000797	0.4341107	0.45842839	-0.0243177	0.59321407	0.90650187
Ifi35	0.25637283	0.2455825	0.2699062	-0.0243237	0.65565521	0.90650187
Tmem64	0.15030073	0.14346296	0.16779147	-0.0243285	0.7404002	0.90650187
Klhl12	0.17045055	0.16377314	0.18812636	-0.0243532	0.71751998	0.90650187
Arhgap35	0.22224229	0.21397774	0.23834046	-0.0243627	0.67523735	0.90650187
Spg7	0.38760952	0.35685826	0.38123119	-0.0243729	0.61187802	0.90650187

Snrnp40	0.7561669	0.60352818	0.62791081	-0.0243826	0.56852845	0.90650187
Gm20604	0.33065025	0.31038113	0.33476404	-0.0243829	0.62695554	0.90650187
Clpp	0.78833347	0.62146563	0.64586279	-0.0243972	0.5666811	0.90650187
Gpn2	0.13576071	0.12839782	0.15282541	-0.0244276	0.76132931	0.90650187
H1fx	0.21754117	0.20945085	0.23389964	-0.0244488	0.67892156	0.90650187
Mpp3	0.12321597	0.11526235	0.13971173	-0.0244494	0.78170827	0.90650187
Mbtd1	0.40785691	0.37266352	0.39711656	-0.024453	0.60785961	0.90650187
Cep44	0.15811216	0.15127572	0.17572935	-0.0244536	0.73191949	0.90650187
Csrp2bp	0.13436735	0.12691744	0.15137816	-0.0244607	0.76372969	0.90650187
Fubp3	0.47693465	0.42453252	0.44899384	-0.0244613	0.59568664	0.90650187
Zfp688	0.17620479	0.16936701	0.19384927	-0.0244823	0.71275774	0.90650187
Abca3	0.18400474	0.17705516	0.20154755	-0.0244924	0.70548337	0.90650187
Med29	0.6494782	0.54024963	0.56474314	-0.0244935	0.57644637	0.90650187
Alg1	0.20295681	0.19548193	0.21997765	-0.0244957	0.68971503	0.90650187
Fam120b	0.11675267	0.1083841	0.13288028	-0.0244962	0.79376011	0.90731056
1110032A03	0.37772712	0.34885767	0.37336024	-0.0245026	0.61476206	0.90650187
Adck2	0.19430519	0.18710903	0.21161252	-0.0245035	0.69664493	0.90650187
Lpin2	0.1655234	0.15869221	0.18319633	-0.0245041	0.7239576	0.90650187
Ppp2r5d	0.21083384	0.2030172	0.22752438	-0.0245072	0.68397613	0.90650187
Zswim8	0.24336217	0.23349795	0.2580105	-0.0245126	0.66361865	0.90650187
Phf5a	0.97500563	0.71565823	0.74017748	-0.0245193	0.55853894	0.90650187
Dync2li1	0.54882691	0.47493919	0.49946328	-0.0245241	0.58639578	0.90650187
Ubr5	0.27785793	0.26466724	0.2891917	-0.0245245	0.64691421	0.90650187
Cox16	0.18035779	0.17342617	0.19795643	-0.0245303	0.70914485	0.90650187
Sart3	0.27972254	0.26630585	0.29084457	-0.0245387	0.64619891	0.90650187
Dhrs13	0.13707801	0.12964291	0.15419154	-0.0245486	0.76045873	0.90650187
Gng4	0.15996818	0.15303882	0.17760517	-0.0245663	0.730695	0.90650187
Cep104	0.22380366	0.21523709	0.23981018	-0.0245731	0.67563835	0.90650187
Ginm1	0.7601151	0.60556643	0.63014046	-0.024574	0.5688191	0.90650187
Gfm1	0.21074162	0.20286082	0.2274364	-0.0245756	0.68451742	0.90650187

Lym4	0.17995135	0.17296052	0.19755531	-0.0245948	0.71002543	0.90650187
Pola1	0.15900376	0.15202589	0.17663095	-0.0246051	0.73213481	0.90650187
Taok1	0.5614255	0.48335253	0.50796429	-0.0246118	0.58527126	0.90650187
Foxk1	0.08785564	0.07715017	0.10176323	-0.0246131	0.85886655	0.91773024
Ggnbp1	0.10588749	0.09665826	0.12128057	-0.0246223	0.81661606	0.9092537
Evi5l	0.11602202	0.10747417	0.13210482	-0.0246306	0.7964119	0.9075779
P4htm	0.1352712	0.12765974	0.15231723	-0.0246575	0.76413458	0.90650187
Cab39	0.27969002	0.26614991	0.29081578	-0.0246659	0.64693514	0.90650187
Brms1	0.27211313	0.25940622	0.28407889	-0.0246727	0.65029143	0.90650187
Ccs	0.43185408	0.39084841	0.4155361	-0.0246877	0.60415657	0.90650187
Vma21	0.81493606	0.63564413	0.66035125	-0.0247071	0.56605249	0.90650187
L3mbtl2	0.10943189	0.10035498	0.12508067	-0.0247257	0.81024469	0.9092537
Skiv2l	0.23012385	0.22100161	0.24573337	-0.0247318	0.67271649	0.90650187
Orai3	0.29695062	0.28122022	0.30596537	-0.0247451	0.64040492	0.90650187
Cep78	0.12886986	0.12088594	0.14564551	-0.0247596	0.77509978	0.90650187
Vps11	0.17322237	0.16612555	0.19088791	-0.0247624	0.71792651	0.90650187
Dgcr2	0.41883099	0.38082798	0.40559492	-0.0247669	0.60698256	0.90650187
Thoc7	1.35784311	0.84018862	0.86495793	-0.0247693	0.55065101	0.90650187
Inip	0.12675119	0.11864508	0.14342655	-0.0247815	0.77879169	0.90650187
Slc39a11	0.15417754	0.14694429	0.17173979	-0.0247955	0.73951439	0.90650187
Srp9	1.68054434	0.89192849	0.91672474	-0.0247963	0.54785668	0.90650187
Smek2	0.81493914	0.63555209	0.6603529	-0.0248008	0.56630052	0.90650187
Eya3	0.11790596	0.10929988	0.134103	-0.0248031	0.79452994	0.90731056
Elavl1	1.22289258	0.80442029	0.82924636	-0.0248261	0.55294012	0.90650187
Fbxl16	0.20021159	0.19250117	0.21733224	-0.0248311	0.69424813	0.90650187
Ano6	0.27237109	0.25946891	0.28430913	-0.0248402	0.65114542	0.90650187
Rp2	0.20355132	0.19569629	0.2205495	-0.0248532	0.69180217	0.90650187
Farsa	0.62849372	0.52673431	0.55161507	-0.0248808	0.57946319	0.90650187
Tpgs1	0.76627842	0.60872189	0.63360643	-0.0248845	0.56930253	0.90650187
Cluap1	0.30540258	0.28839183	0.31328278	-0.0248909	0.63803538	0.90650187

Atf4	0.81458451	0.63525463	0.66016194	-0.0249073	0.56660164	0.90650187
Pgm3	0.29224944	0.27694908	0.30186608	-0.024917	0.6431736	0.90650187
Gpr108	0.36230099	0.33598848	0.36091602	-0.0249275	0.62059604	0.90650187
Bcs1l	0.13800262	0.13022052	0.1551492	-0.0249287	0.7624792	0.90650187
Phrf1	0.29167654	0.27643243	0.30136516	-0.0249327	0.64348755	0.90650187
Kpna6	0.15297157	0.14557563	0.17051342	-0.0249378	0.74221052	0.90650187
Khdrbs3	0.17250395	0.16522625	0.19017296	-0.0249467	0.72011075	0.90650187
Gmppa	0.48549549	0.43023229	0.45518491	-0.0249526	0.59626924	0.90650187
Gipc1	0.86753658	0.66311047	0.68806897	-0.0249585	0.56405437	0.90650187
Tmem87b	0.30464111	0.28766615	0.31262614	-0.02496	0.63868126	0.90650187
Rnf8	0.3649309	0.33808872	0.3630515	-0.0249628	0.62007282	0.90650187
Syf2	0.87619248	0.66753209	0.69250984	-0.0249778	0.56369579	0.90650187
lpmk	0.11806796	0.1092958	0.13427463	-0.0249788	0.79588339	0.9075779
Lrrc57	0.18962068	0.18206541	0.20704927	-0.0249839	0.70417089	0.90650187
Nras	0.69650228	0.56830777	0.59329966	-0.0249919	0.57427345	0.90650187
Pskh1	0.25303034	0.24186357	0.26686614	-0.0250026	0.66148041	0.90650187
Fahd2a	0.23325873	0.22364509	0.2486564	-0.0250113	0.67262205	0.90650187
Rnf141	0.22125704	0.21239375	0.23741164	-0.0250179	0.68027489	0.90650187
Pdlim5	0.10331275	0.09348848	0.11851023	-0.0250218	0.82603878	0.90947782
Kat6b	0.22739773	0.21815413	0.24318344	-0.0250293	0.67636491	0.90650187
Abr	0.24654791	0.23589378	0.26093909	-0.0250453	0.66519954	0.90650187
Mta1	0.27869706	0.26487432	0.28993594	-0.0250616	0.64961134	0.90650187
Ube4b	0.41437504	0.37710033	0.40216321	-0.0250629	0.6091295	0.90650187
Hook2	0.09323307	0.08254421	0.10762037	-0.0250762	0.8498643	0.91471921
Atad2b	0.22775895	0.21843564	0.24352175	-0.0250861	0.67650907	0.90650187
Irf6	0.18791994	0.18028286	0.20538672	-0.0251039	0.70656396	0.90650187
Lrrc56	0.08271851	0.07101092	0.09612995	-0.025119	0.87731108	0.92482217
Kctd13	0.41410356	0.37682442	0.40195365	-0.0251292	0.60946669	0.90650187
Rnf41	0.34778592	0.32389704	0.34902837	-0.0251313	0.62555376	0.90650187
Gprc5b	0.20712736	0.19884806	0.2239814	-0.0251333	0.69105721	0.90650187

Ift22	0.56947425	0.488206	0.51334458	-0.0251386	0.5861694	0.90650187
Ppp1r15b	0.23107934	0.22148495	0.24662533	-0.0251404	0.67478836	0.90650187
Nol9	0.1548094	0.14723407	0.17238166	-0.0251476	0.74168187	0.90650187
Trmt13	0.25671804	0.24506826	0.27021956	-0.0251513	0.66048417	0.90650187
Vipas39	0.20755285	0.19923474	0.22438885	-0.0251541	0.69088302	0.90650187
Pomc	0.11036757	0.10091579	0.12608125	-0.0251655	0.81254949	0.9092537
Gm16586	0.13402787	0.12584496	0.1510252	-0.0251802	0.77071708	0.90650187
Eid2b	0.18299705	0.17537644	0.20055674	-0.0251803	0.71163064	0.90650187
Tceal1	0.39352713	0.36072664	0.38590784	-0.0251812	0.61412405	0.90650187
Arl5a	0.20840969	0.20000073	0.22520878	-0.025208	0.69061883	0.90650187
Poc5	0.12247638	0.11371997	0.13893258	-0.0252126	0.79009784	0.90650187
Atpaf1	0.18633509	0.17862127	0.20383465	-0.0252134	0.70880617	0.90650187
Rasa2	0.24798784	0.23704205	0.26225941	-0.0252174	0.66547925	0.90650187
Rab3gap2	0.217428	0.20857483	0.23379245	-0.0252176	0.6842148	0.90650187
Acvr1	0.13706179	0.12895707	0.15417473	-0.0252177	0.76643227	0.90650187
Ctdspl	0.19935345	0.19128309	0.21650366	-0.0252206	0.69772545	0.90650187
Rnaseh1	0.17249454	0.16492319	0.19016359	-0.0252404	0.72242651	0.90650187
Calcoco1	0.22810603	0.21858863	0.24384669	-0.0252581	0.6774154	0.90650187
Dlgap4	0.62113748	0.5216745	0.54695527	-0.0252808	0.58140145	0.90650187
Tbc1d1	0.1740556	0.16642692	0.19171632	-0.0252894	0.72120417	0.90650187
Ikbkap	0.20372987	0.19542332	0.22072117	-0.0252979	0.69481002	0.90650187
Ncoa6	0.20261435	0.19434919	0.21964807	-0.0252989	0.69568894	0.90650187
Hs2st1	0.20766075	0.19918743	0.22449215	-0.0253047	0.69185244	0.90650187
Fdxr	0.10485202	0.09485502	0.12016744	-0.0253124	0.82547542	0.90947782
Pnpt1	0.19212538	0.1841554	0.20949206	-0.0253367	0.70459626	0.90650187
Phf6	0.15159697	0.1437734	0.16911354	-0.0253401	0.74733735	0.90650187
Cxxc1	0.48729955	0.4311198	0.45648327	-0.0253635	0.59754983	0.90650187
Smap1	0.27043654	0.25721189	0.28258044	-0.0253685	0.65509119	0.90650187
Supt20	0.55165604	0.47600911	0.50138068	-0.0253716	0.58899589	0.90650187
Ndst1	0.09914077	0.0886359	0.11400879	-0.0253729	0.8387611	0.91188312

Serhl	0.20949565	0.20087184	0.22624686	-0.025375	0.69097045	0.90650187
Ulk2	0.10720541	0.09731724	0.1226954	-0.0253782	0.82108911	0.9092537
Tusc3	1.30816195	0.82746325	0.85284694	-0.0253837	0.55263309	0.90650187
Mrrf	0.26000807	0.24781134	0.27320033	-0.025389	0.66024726	0.90650187
Map7d1	0.26380528	0.2512378	0.27662774	-0.0253899	0.65837587	0.90650187
Pcnt	0.1925507	0.18450725	0.2099062	-0.0253989	0.70468547	0.90650187
Nmd3	0.38861692	0.35662492	0.38202925	-0.0254043	0.61624201	0.90650187
Kif3c	0.07649058	0.06384167	0.08925031	-0.0254086	0.89717511	0.93404279
Pmpca	0.4585074	0.41008344	0.43549357	-0.0254101	0.60233348	0.90650187
Wdr3	0.15942572	0.15164555	0.17705733	-0.0254118	0.73827821	0.90650187
Smek1	0.3921394	0.35939814	0.38481356	-0.0254154	0.61547388	0.90650187
Tnpo3	0.54045196	0.46833384	0.49375748	-0.0254236	0.59052857	0.90650187
Timm10b	1.24735742	0.81098831	0.83641384	-0.0254255	0.55374891	0.90650187
Rrp8	0.25641132	0.24450702	0.26994114	-0.0254341	0.66234421	0.90650187
Prune	0.16899892	0.16122396	0.1866767	-0.0254527	0.72779024	0.90650187
Tle3	0.35809105	0.33202525	0.3574859	-0.0254606	0.62423488	0.90650187
Vhl	0.23205813	0.22207411	0.2475381	-0.025464	0.67627766	0.90650187
Pogz	0.23014882	0.22028388	0.24575669	-0.0254728	0.67752515	0.90650187
Arhgap12	0.19087149	0.18279651	0.20827001	-0.0254735	0.70669045	0.90650187
Brf2	0.10163174	0.09122059	0.11669703	-0.0254764	0.83410933	0.91062493
Fam222b	0.2238109	0.2143329	0.239817	-0.0254841	0.68168339	0.90650187
Uggt1	0.3131466	0.29443873	0.31993159	-0.0254929	0.63841888	0.90650187
5930430L01F	0.11207863	0.10241451	0.12790817	-0.0254937	0.81220835	0.9092537
Crtc2	0.10648821	0.09642623	0.12192573	-0.0254995	0.82375038	0.9092537
Azi2	0.47271689	0.42041076	0.44592531	-0.0255145	0.60039306	0.90650187
Mettl2	0.16715462	0.15931311	0.18483151	-0.0255184	0.73031767	0.90650187
Suox	0.15262053	0.1446356	0.17015614	-0.0255205	0.74753911	0.90650187
Tom1	0.12443333	0.11545846	0.14099275	-0.0255343	0.78962339	0.90650187
Huwe1	0.69934052	0.56943814	0.5949861	-0.025548	0.57569363	0.90650187
Dus3l	0.21588436	0.20677098	0.23232917	-0.0255582	0.68759844	0.90650187

Tmeff1	0.12114903	0.11196732	0.13753259	-0.0255653	0.79570353	0.9075779
Usp36	0.20067521	0.19220566	0.21777956	-0.0255739	0.69918172	0.90650187
Men1	0.33820127	0.31550539	0.3410805	-0.0255751	0.6305624	0.90650187
Tada3	0.48543907	0.42955944	0.45514427	-0.0255848	0.59866723	0.90650187
Nfkbil1	0.30441652	0.28684727	0.31243237	-0.0255851	0.64208996	0.90650187
Arl6ip5	0.94560643	0.70120243	0.72678877	-0.0255863	0.5621829	0.90650187
Acd	0.44975271	0.40340362	0.42899551	-0.0255919	0.60457398	0.90650187
Sesn1	0.21968216	0.21033162	0.23592488	-0.0255933	0.68519005	0.90650187
Ift57	0.4917013	0.43404692	0.45964201	-0.0255951	0.5977598	0.90650187
Lppos	0.14464758	0.13640152	0.16200212	-0.0256006	0.75882345	0.90650187
Zfp87	0.18464455	0.17657427	0.20217607	-0.0256018	0.71326637	0.90650187
Pin4	0.85857415	0.65782595	0.68343284	-0.0256069	0.56614508	0.90650187
Gba2	0.12751866	0.11861557	0.14423097	-0.0256154	0.78510155	0.90650187
Fam234b	0.13837537	0.12991082	0.15553499	-0.0256242	0.76804005	0.90650187
Zfp428	0.3562704	0.33036893	0.35599802	-0.0256291	0.62553445	0.90650187
Tnpo1	0.50453387	0.44312981	0.46877374	-0.0256439	0.59607232	0.90650187
Ripk4	0.11887144	0.1094768	0.13512535	-0.0256485	0.80061886	0.90806412
Ubl4a	0.62381246	0.5229866	0.54865319	-0.0256666	0.58237391	0.90650187
Agps	0.19672791	0.18828544	0.21396331	-0.0256779	0.70316321	0.90650187
Ppard	0.10217093	0.09159646	0.11727901	-0.0256825	0.83485471	0.91063622
Tmem216	0.2973697	0.28063624	0.3063297	-0.0256935	0.64537965	0.90650187
Zfp703	0.27351281	0.25962555	0.28532743	-0.0257019	0.65558884	0.90650187
Hccs	0.24816253	0.23670833	0.26241942	-0.0257111	0.66842471	0.90650187
Samm50	0.75305721	0.60043788	0.62614961	-0.0257117	0.57242481	0.90650187
Utp23	0.15612678	0.147991	0.17371846	-0.0257275	0.7448556	0.90650187
Rnmtl1	0.11162076	0.10168627	0.12741965	-0.0257334	0.81536045	0.9092537
Ahcyl2	0.25766371	0.24532771	0.27107741	-0.0257497	0.66359298	0.90650187
Mex3c	0.15316213	0.14495349	0.17070732	-0.0257538	0.74879044	0.90650187
Csad	0.27624868	0.26199861	0.28776258	-0.025764	0.65469383	0.90650187
Abca5	0.10911358	0.09897317	0.12474003	-0.0257669	0.82077023	0.9092537

Arfrp1	0.32793638	0.30671476	0.33248203	-0.0257673	0.63477737	0.90650187
Ube2q2	0.14249654	0.13401173	0.15978943	-0.0257777	0.76336793	0.90650187
Tmem19	0.20643041	0.1975353	0.2233136	-0.0257783	0.6960874	0.90650187
Ndufaf6	0.15575245	0.14755779	0.17333881	-0.025781	0.74575915	0.90650187
Lonp1	0.41859948	0.37961965	0.40541699	-0.0257973	0.61136601	0.90650187
Slc52a2	0.16146552	0.15331682	0.17911563	-0.0257988	0.73901777	0.90650187
2610507B11	0.35170405	0.32645399	0.35225433	-0.0258003	0.62764091	0.90650187
Plekha8	0.11779363	0.10818239	0.13398398	-0.0258016	0.80402881	0.90882608
Sbf2	0.27632342	0.26202548	0.28782901	-0.0258035	0.65488514	0.90650187
Fam189b	0.21941492	0.20986589	0.23567234	-0.0258064	0.68679998	0.90650187
Ube2i	1.59839554	0.88197325	0.90778118	-0.0258079	0.55028726	0.90650187
Sfi1	0.11313243	0.10322178	0.12903151	-0.0258097	0.81306281	0.9092537
Trove2	0.29752512	0.28065363	0.30646478	-0.0258111	0.64595364	0.90650187
Ibtk	0.26077608	0.24808304	0.27389465	-0.0258116	0.66237382	0.90650187
Ier3ip1	1.54774395	0.87530253	0.90113902	-0.0258365	0.55071169	0.90650187
Ubxn8	0.2119175	0.20272089	0.22855753	-0.0258366	0.69235651	0.90650187
Srsf9	0.86367034	0.66023221	0.68607525	-0.025843	0.56649468	0.90650187
Map7	0.24501658	0.23368655	0.25953261	-0.0258461	0.67101743	0.90650187
Trit1	0.13500702	0.1261893	0.15204285	-0.0258536	0.77515631	0.90650187
Ecsit	0.20559017	0.19665144	0.22250782	-0.0258564	0.69728189	0.90650187
Parg	0.24685502	0.23535999	0.26122089	-0.0258609	0.67007331	0.90650187
Fam175a	0.11634572	0.10658181	0.13244846	-0.0258666	0.80735998	0.9092537
Ppm1k	0.18405757	0.17571893	0.20159947	-0.0258805	0.71590162	0.90650187
Mfap3	0.34408577	0.320083	0.3459696	-0.0258866	0.63029512	0.90650187
N4bp1	0.20752413	0.19847101	0.22436135	-0.0258903	0.69602571	0.90650187
Gosr1	0.15684504	0.14855476	0.17444647	-0.0258917	0.74531732	0.90650187
Ubr1	0.27152582	0.25765516	0.28355429	-0.0258991	0.65764725	0.90650187
Clic6	0.08624277	0.07408566	0.0999986	-0.0259129	0.87534017	0.92418014
Arf2	0.34475164	0.32056771	0.34652102	-0.0259533	0.63041835	0.90650187
D230025D16	0.14692025	0.13837892	0.16433409	-0.0259552	0.7587058	0.90650187

Lrrc16b	0.16443387	0.15612744	0.1821025	-0.0259751	0.73699885	0.90650187
Erap1	0.11562543	0.10569668	0.13168362	-0.0259869	0.80984161	0.9092537
Zfp236	0.11572336	0.10578773	0.13178764	-0.0259999	0.80977235	0.9092537
Anks3	0.38323273	0.35174689	0.37775471	-0.0260078	0.62022544	0.90650187
Bod1	0.19962092	0.19073595	0.216762	-0.0260261	0.70325054	0.90650187
Rnf14	0.46284251	0.41265516	0.43869135	-0.0260362	0.60405042	0.90650187
Acbd5	0.42658176	0.3854797	0.41152664	-0.0260469	0.61078965	0.90650187
Lactb	0.15366489	0.14515162	0.17121868	-0.0260671	0.75073929	0.90650187
Ube2k	1.17415769	0.78826087	0.81433458	-0.0260737	0.5565948	0.90650187
Gak	0.197323	0.18845497	0.21453979	-0.0260848	0.70558047	0.90650187
Cops7b	0.23173726	0.22113284	0.24723898	-0.0261061	0.68061337	0.90650187
Crtc1	0.200591	0.19158773	0.21769833	-0.0261106	0.70305354	0.90650187
Hnrnpul2	0.7424495	0.59397712	0.62010799	-0.0261309	0.57430076	0.90650187
Gxylt1	0.16580005	0.15733252	0.18347386	-0.0261413	0.73676692	0.90650187
Znrf2	0.20792271	0.19857796	0.22474287	-0.0261649	0.69761888	0.90650187
Cln6	0.2558151	0.24322793	0.26939968	-0.0261717	0.66708697	0.90650187
Tamm41	0.09810989	0.0867241	0.11289749	-0.0261734	0.84864503	0.91440801
Zfp622	0.55059569	0.47448724	0.50066262	-0.0261754	0.59189519	0.90650187
Sap30	0.33696016	0.31386744	0.34004562	-0.0261782	0.63391561	0.90650187
Zfp518a	0.1462309	0.1374416	0.16362739	-0.0261858	0.76159538	0.90650187
Itsn2	0.23617348	0.22517888	0.25136537	-0.0261865	0.67836438	0.90650187
4930453N24	0.28937914	0.2731631	0.29935338	-0.0261903	0.65134119	0.90650187
Fut8	0.21130578	0.20177938	0.22797447	-0.0261951	0.69526013	0.90650187
Tmem38b	0.14923534	0.14049596	0.1667034	-0.0262074	0.75769081	0.90650187
Nipal3	0.11825915	0.10826475	0.13447712	-0.0262124	0.8069031	0.9092537
Nfat5	0.5690329	0.48681293	0.51305067	-0.0262377	0.58992466	0.90650187
Zbtb21	0.13058534	0.12119605	0.14743824	-0.0262422	0.78560476	0.90650187
0610012G03	1.06313681	0.74947607	0.77572293	-0.0262469	0.55978285	0.90650187
Gna11	0.76142029	0.60462422	0.63087597	-0.0262517	0.57338105	0.90650187
Mettl18	0.11086418	0.10034989	0.12661186	-0.026262	0.82176505	0.9092537

9030624J02F	0.36943899	0.34043474	0.36669907	-0.0262643	0.62491325	0.90650187
5430416N02	0.15078968	0.14201978	0.16829039	-0.0262706	0.75615009	0.90650187
Tbce	0.20098224	0.19180404	0.21807567	-0.0262716	0.70386979	0.90650187
Smyd2	0.44937661	0.40243804	0.42871515	-0.0262771	0.60737475	0.90650187
Uspl1	0.2193444	0.20932393	0.23560569	-0.0262818	0.69001975	0.90650187
Jmy	0.19879632	0.18968334	0.21596531	-0.026282	0.7057495	0.90650187
Zbtb41	0.14086132	0.13181911	0.15810371	-0.0262846	0.77007019	0.90650187
Wdsub1	0.17074067	0.16212481	0.1884158	-0.026291	0.73247872	0.90650187
Pdzd11	0.60791172	0.51219218	0.53849896	-0.0263068	0.58596479	0.90650187
Kpna4	0.32599602	0.30453798	0.33084659	-0.0263086	0.63814712	0.90650187
Cdkn2aipnl	0.18746387	0.17862909	0.20494037	-0.0263113	0.71591518	0.90650187
Psmf1	0.28004565	0.26480895	0.29113066	-0.0263217	0.65613456	0.90650187
Galnt4	0.10747334	0.09663997	0.12298276	-0.0263428	0.82951356	0.90974008
Lztf11	0.67241133	0.55245921	0.57881586	-0.0263567	0.5802108	0.90650187
Reps1	0.10841625	0.0976275	0.12399336	-0.0263659	0.82774986	0.90947782
Polb	0.46809639	0.41618014	0.44254935	-0.0263692	0.60445309	0.90650187
Smox	0.18371494	0.17487756	0.20126271	-0.0263852	0.71998955	0.90650187
Map3k7	0.17821454	0.16945329	0.1958392	-0.0263859	0.7254028	0.90650187
Trip11	0.57108519	0.48802962	0.51441637	-0.0263867	0.59019059	0.90650187
Nup188	0.09179823	0.07967366	0.10606147	-0.0263878	0.86564868	0.92040222
Slc7a6os	0.26870535	0.25462958	0.28103039	-0.0264008	0.66189234	0.90650187
Ubn1	0.24945836	0.23719404	0.2636054	-0.0264114	0.67199102	0.90650187
Vps45	0.23360779	0.22256714	0.24898126	-0.0264141	0.68140418	0.90650187
Mrps21	1.64227773	0.88633804	0.91276741	-0.0264294	0.55121174	0.90650187
Mtrr	0.12276884	0.11281118	0.13924076	-0.0264296	0.80061778	0.90806412
Nae1	0.61884968	0.51905955	0.54549997	-0.0264404	0.58530299	0.90650187
Pex10	0.17082732	0.16206075	0.18850223	-0.0264415	0.73355208	0.90650187
1810013L24F	0.15602641	0.14716265	0.17361667	-0.026454	0.75091704	0.90650187
Zdhhc17	0.1556266	0.1467562	0.17321114	-0.0264549	0.75142721	0.90650187
Plekha5	0.23864536	0.22719789	0.25365611	-0.0264582	0.67857216	0.90650187

Ppp2r3d	0.34580135	0.32092766	0.34738954	-0.0264619	0.63255857	0.90650187
Acvr2a	0.0914744	0.07924307	0.10570925	-0.0264662	0.86715355	0.92056229
Krcc1	0.96865682	0.71094718	0.73742961	-0.0264824	0.5634215	0.90650187
2010111101R	0.20370093	0.1942081	0.22069334	-0.0264852	0.70316103	0.90650187
Usp4	0.44706722	0.40050556	0.42699138	-0.0264858	0.60863235	0.90650187
Akt1s1	0.8222331	0.63777821	0.66426867	-0.0264905	0.57035849	0.90650187
Rbm7	0.63590025	0.52977342	0.55627674	-0.0265033	0.58387119	0.90650187
Mcrs1	0.57912161	0.49322759	0.51974016	-0.0265126	0.58970092	0.90650187
Adprhl2	0.41541239	0.37644542	0.40296344	-0.026518	0.61506856	0.90650187
Ppil1	0.4638154	0.4128865	0.4394072	-0.0265207	0.6057725	0.90650187
Rnf216	0.30507379	0.28647368	0.31299931	-0.0265256	0.64682036	0.90650187
Fam208b	0.14042178	0.13111781	0.15765007	-0.0265323	0.77282673	0.90650187
Sssca1	0.59935509	0.50644204	0.53297469	-0.0265327	0.58757527	0.90650187
Kmt2b	0.17173095	0.1628638	0.18940307	-0.0265393	0.73333177	0.90650187
Nsun2	0.56011249	0.48054163	0.50708282	-0.0265412	0.59199783	0.90650187
Decr2	0.18288668	0.17390688	0.20044815	-0.0265413	0.72194901	0.90650187
Cyb561d2	0.21969992	0.20939512	0.23594166	-0.0265465	0.69152902	0.90650187
Dimt1	0.27063766	0.25621354	0.28276033	-0.0265468	0.66179726	0.90650187
Pafah1b3	0.94311755	0.69906248	0.72561093	-0.0265485	0.56460481	0.90650187
Snrpa1	0.66979039	0.55066877	0.57722203	-0.0265533	0.58102093	0.90650187
Phf13	0.1955647	0.18628108	0.21283541	-0.0265543	0.71043452	0.90650187
Zscan21	0.17932494	0.17038209	0.19693675	-0.0265547	0.72555991	0.90650187
Pgd	0.48955931	0.4315461	0.45810652	-0.0265604	0.60170025	0.90650187
Mcu	0.14863217	0.13952189	0.16608671	-0.0265648	0.76147489	0.90650187
Ubxn7	0.26752006	0.25335209	0.27996751	-0.0266154	0.66371608	0.90650187
Ptdss2	0.36987991	0.34043121	0.36705494	-0.0266237	0.62644594	0.90650187
Mtf1	0.22985528	0.21885004	0.24548249	-0.0266325	0.6852053	0.90650187
Zdhhc7	0.16389978	0.15493242	0.18156581	-0.0266334	0.74283606	0.90650187
Trim33	0.14868151	0.13949527	0.16613718	-0.0266419	0.76204659	0.90650187
Ubp1	0.17310403	0.16412435	0.19077018	-0.0266458	0.73268053	0.90650187

Pdcl	0.38952125	0.35609471	0.38274499	-0.0266503	0.62154638	0.90650187
Dgcr8	0.20405022	0.19437093	0.2210291	-0.0266582	0.70408346	0.90650187
Tbc1d10b	0.1593004	0.15026384	0.17693071	-0.0266669	0.74858342	0.90650187
Ppm1g	0.93145806	0.69333371	0.7200181	-0.0266844	0.56543253	0.90650187
Exoc2	0.12186306	0.11157697	0.13828596	-0.026709	0.80472999	0.90882608
Prdm4	0.11526888	0.10456684	0.13130478	-0.0267379	0.81733895	0.9092537
Med27	0.29465828	0.27722275	0.30396905	-0.0267463	0.65216418	0.90650187
Kdm2b	0.24964613	0.23702421	0.26377711	-0.0267529	0.67396341	0.90650187
Sys1	1.09745774	0.76158551	0.78834418	-0.0267587	0.55997139	0.90650187
Cinp	0.28553291	0.2691974	0.29597457	-0.0267772	0.65623129	0.90650187
Gtf3c2	0.34994617	0.32401238	0.35080856	-0.0267962	0.63291112	0.90650187
D1Erttd622e	0.20317443	0.19339008	0.22018702	-0.0267969	0.70575788	0.90650187
Limk2	0.30807176	0.28878051	0.31558044	-0.0267999	0.64711111	0.90650187
Slc44a1	0.2220272	0.21133197	0.23813778	-0.0268058	0.69160908	0.90650187
Atp11a	0.16033249	0.15113868	0.1779729	-0.0268342	0.74866519	0.90650187
Atf6	0.19660916	0.18700922	0.21384824	-0.026839	0.71155927	0.90650187
Zfp787	0.49322173	0.4338826	0.46073008	-0.0268475	0.60220269	0.90650187
Gtf2h5	1.45374263	0.85824225	0.88509349	-0.0268512	0.55364155	0.90650187
Zbtb11	0.24182606	0.22972568	0.25659483	-0.0268691	0.6792199	0.90650187
Mri1	0.30032867	0.28201735	0.30889763	-0.0268803	0.65056888	0.90650187
Timm44	0.63080472	0.52618642	0.55307282	-0.0268864	0.58555025	0.90650187
Isy1	0.24632232	0.23384448	0.26073204	-0.0268876	0.67668391	0.90650187
Psm2	1.26480966	0.81446651	0.84137258	-0.0269061	0.55652518	0.90650187
Cep295	0.19422723	0.18461354	0.21153676	-0.0269232	0.71423925	0.90650187
Tubgcp3	0.17678371	0.16748648	0.19442293	-0.0269365	0.73102614	0.90650187
Ing5	0.13077306	0.12069245	0.1476342	-0.0269417	0.79139704	0.90661829
Cdc73	0.27126956	0.25638284	0.28332529	-0.0269424	0.66376082	0.90650187
Usp22	0.41604874	0.37649941	0.40345393	-0.0269545	0.61676994	0.90650187
Fxr2	0.25283486	0.23973119	0.26668801	-0.0269568	0.67341468	0.90650187
Gm15800	0.14879084	0.1392903	0.16624899	-0.0269587	0.76451225	0.90650187

Acbd6	0.71119909	0.57502164	0.60198906	-0.0269674	0.57892757	0.90650187
Snapi	0.36314135	0.33462574	0.361599	-0.0269733	0.6299109	0.90650187
Sgsm1	0.11943445	0.10874762	0.13572099	-0.0269734	0.81152388	0.9092537
Cc2d1b	0.21020043	0.19993799	0.22691992	-0.0269819	0.70146033	0.90650187
Nhlrc3	0.07900346	0.06504812	0.09203279	-0.0269847	0.90379515	0.93655998
Pcyt1a	0.16012402	0.15076749	0.17776249	-0.026995	0.75019686	0.90650187
Wdr89	2.41342014	0.8779199	0.90492396	-0.0270041	0.55276982	0.90650187
Rexo4	0.31677799	0.29601771	0.32303127	-0.0270136	0.64496603	0.90650187
Dennd5a	0.21103303	0.20069343	0.22771438	-0.0270209	0.70108465	0.90650187
Pfdn6	1.04689497	0.74247787	0.76950312	-0.0270252	0.56203529	0.90650187
Gabpb2	0.16853938	0.1591903	0.18621729	-0.027027	0.7406081	0.90650187
Rundc1	0.17178462	0.16242727	0.18945655	-0.0270293	0.73703901	0.90650187
Lrp5	0.11365445	0.10255792	0.12958748	-0.0270296	0.82310721	0.9092537
Rrm2b	0.16199867	0.15261898	0.17965283	-0.0270339	0.74824183	0.90650187
Ctdsp1	0.33836735	0.31418291	0.34121888	-0.027036	0.63767123	0.90650187
Srd5a3	0.29440084	0.27670391	0.30374456	-0.0270406	0.65386154	0.90650187
2700097009	0.1994546	0.18955667	0.21660137	-0.0270447	0.71057844	0.90650187
Ist1	0.46097409	0.41026667	0.43731472	-0.0270481	0.60832734	0.90650187
Arl6ip4	0.62127504	0.51998923	0.54704268	-0.0270535	0.58700721	0.90650187
Zfp120	0.16663245	0.15725082	0.1843084	-0.0270576	0.74300637	0.90650187
Exosc3	0.38675789	0.35349254	0.38055591	-0.0270634	0.62405602	0.90650187
Zfp212	0.16753921	0.15814687	0.1852166	-0.0270697	0.74206768	0.90650187
Fbxo18	0.44353707	0.39727652	0.42434876	-0.0270722	0.61164804	0.90650187
Pomgnt1	0.20690979	0.19669332	0.22377299	-0.0270797	0.70470479	0.90650187
Lypla1	0.48011766	0.42419063	0.45130154	-0.0271109	0.60528839	0.90650187
Zfp687	0.24765506	0.2348253	0.26195452	-0.0271292	0.67738814	0.90650187
Crk	0.43597066	0.39152015	0.41865255	-0.0271324	0.61337051	0.90650187
Emd	0.65968071	0.54390566	0.57103874	-0.0271331	0.58364778	0.90650187
Naglu	0.2410392	0.22873501	0.25586876	-0.0271337	0.6813356	0.90650187
Pak1ip1	0.63838716	0.5306965	0.55783531	-0.0271388	0.58561514	0.90650187

Egln1	0.15070753	0.14105776	0.1682066	-0.0271488	0.763476	0.90650187
Usp11	0.21480537	0.20415282	0.23130489	-0.0271521	0.69911407	0.90650187
Dip2c	0.10151089	0.08940065	0.11656654	-0.0271659	0.8499108	0.91471921
Strip1	0.23512785	0.2232261	0.25039454	-0.0271684	0.68522468	0.90650187
Enpp5	0.23709885	0.2250464	0.25222364	-0.0271772	0.68403656	0.90650187
Xpc	0.14053713	0.13056924	0.15776914	-0.0271999	0.77829172	0.90650187
Nfya	0.14654741	0.13674285	0.16395193	-0.0272091	0.76967668	0.90650187
Zfp637	0.58232365	0.49463752	0.52185077	-0.0272133	0.59166405	0.90650187
Armc5	0.1788136	0.169195	0.19643149	-0.0272365	0.73118865	0.90650187
Repin1	0.16144936	0.15186209	0.17909934	-0.0272372	0.75050615	0.90650187
Klhl2	0.12385098	0.11313839	0.14038017	-0.0272418	0.80584933	0.9092537
Stx1a	0.24549949	0.23272388	0.2599764	-0.0272525	0.6793991	0.90650187
Zfp512	0.40215873	0.3654235	0.39267848	-0.027255	0.6211719	0.90650187
Twf1	0.56038145	0.4799813	0.50726347	-0.0272822	0.59448528	0.90650187
Tbc1d10a	0.25300415	0.23955926	0.26684227	-0.027283	0.67527859	0.90650187
Zfp827	0.14822147	0.13838044	0.16566656	-0.0272861	0.76798093	0.90650187
Eif1a	0.85693053	0.65528626	0.68257837	-0.0272921	0.57054132	0.90650187
Mvp	0.22571511	0.21430781	0.24160583	-0.027298	0.69226834	0.90650187
Uck1	0.45557472	0.40602398	0.43332284	-0.0272989	0.61028745	0.90650187
A130010J15F	0.1254554	0.1147676	0.14206676	-0.0272992	0.80351828	0.90882608
Nbea	0.37700364	0.34548016	0.372781	-0.0273008	0.62762763	0.90650187
Cacfd1	0.56219794	0.48117806	0.50848237	-0.0273043	0.5943381	0.90650187
Sccpdh	0.4189862	0.37839452	0.40571418	-0.0273197	0.61766532	0.90650187
Tex10	0.26519728	0.25055505	0.27788075	-0.0273257	0.66900363	0.90650187
Pnpla8	0.48914901	0.43048549	0.45781204	-0.0273265	0.60463231	0.90650187
Inpp4a	0.22939178	0.21770251	0.24504935	-0.0273468	0.69009422	0.90650187
Faap20	0.46393193	0.41214476	0.43949289	-0.0273481	0.60896973	0.90650187
Pnpla2	0.22665063	0.21509675	0.24248332	-0.0273866	0.69219997	0.90650187
Gtf2h1	0.33388745	0.31008732	0.33747789	-0.0273906	0.64088182	0.90650187
Mcts2	0.2072727	0.19671829	0.2241206	-0.0274023	0.70662306	0.90650187

Dohh	0.71487998	0.57671464	0.6041487	-0.0274341	0.57999183	0.90650187
Fbxl3	0.24918816	0.23592388	0.26335824	-0.0274344	0.67835523	0.90650187
Ino80d	0.41498934	0.37518995	0.40263719	-0.0274472	0.61907454	0.90650187
Elk1	0.1050914	0.09297632	0.12042489	-0.0274486	0.84453961	0.91320576
Slc35c2	0.23737335	0.22501545	0.25247807	-0.0274626	0.68565047	0.90650187
Atp5e	3.23250316	0.78105411	0.80854932	-0.0274952	0.56008139	0.90650187
Rab23	0.24433689	0.23140598	0.2589076	-0.0275016	0.68161519	0.90650187
Vcpkmt	0.14430195	0.13414372	0.16164695	-0.0275032	0.77529301	0.90650187
Trmt1	0.34482208	0.31907602	0.34657933	-0.0275033	0.63787615	0.90650187
Trappc11	0.1669312	0.15709787	0.18460772	-0.0275099	0.74616651	0.90650187
Lzic	0.20083035	0.19040148	0.21792919	-0.0275277	0.71278749	0.90650187
Med31	0.57149888	0.48714934	0.51469135	-0.027542	0.59401756	0.90650187
Mast2	0.11044395	0.09861087	0.12616287	-0.027552	0.83418875	0.91062493
Pthr2	0.38260195	0.34966309	0.37725244	-0.0275894	0.62745397	0.90650187
Asxl1	0.09028618	0.07682463	0.1044156	-0.027591	0.8799456	0.92579928
Gin1	0.19939878	0.18892281	0.21654745	-0.0276246	0.71468349	0.90650187
Arl6	0.38491059	0.35145916	0.3790892	-0.02763	0.62703835	0.90650187
Rsl1d1	0.93909892	0.69607261	0.72370414	-0.0276315	0.56739126	0.90650187
Gga1	0.38770955	0.35366063	0.38131047	-0.0276498	0.62641108	0.90650187
Cops6	1.40113983	0.84693584	0.87459037	-0.0276545	0.55589518	0.90650187
Osbpl8	0.1461832	0.13591959	0.16357847	-0.0276589	0.77388159	0.90650187
Zfp398	0.28137307	0.26464286	0.292305	-0.0276621	0.66301573	0.90650187
Rhbdd3	0.11663608	0.10508852	0.13275659	-0.0276681	0.82291151	0.9092537
Rab3gap1	0.28640308	0.26906046	0.29674018	-0.0276797	0.66081302	0.90650187
Arpin	0.22305438	0.21142303	0.23910529	-0.0276823	0.6966142	0.90650187
Terf1	0.24479867	0.23163225	0.25933228	-0.0277	0.68255238	0.90650187
Bop1	0.16954164	0.15951365	0.18721896	-0.0277053	0.74469119	0.90650187
Enoph1	0.14891537	0.13865336	0.16637632	-0.027723	0.77058134	0.90650187
Zcchc11	0.7071199	0.57185841	0.59958797	-0.0277296	0.58144792	0.90650187
Dhdds	0.21850598	0.2070802	0.23481286	-0.0277327	0.70022581	0.90650187

Lsm10	0.4353286	0.39041765	0.41816728	-0.0277496	0.61600725	0.90650187
Rbm26	0.32168405	0.29944331	0.3272006	-0.0277573	0.64696245	0.90650187
Snapc1	0.1825543	0.17235923	0.20012105	-0.0277618	0.73128939	0.90650187
Dcaf10	0.22623657	0.21430404	0.24209506	-0.027791	0.69508919	0.90650187
Atxn2	0.32047777	0.29837611	0.32617751	-0.0278014	0.64762513	0.90650187
Usp7	0.30619771	0.28611899	0.3139679	-0.0278489	0.6533293	0.90650187
Champ1	0.14985714	0.13948713	0.1673386	-0.0278515	0.77032479	0.90650187
Asb7	0.18922891	0.17880629	0.20666658	-0.0278603	0.72551455	0.90650187
Gps2	0.67281305	0.55119625	0.57905984	-0.0278636	0.58469398	0.90650187
Ofd1	0.1350549	0.12422676	0.15209258	-0.0278658	0.79232274	0.90681274
Med10	0.76628071	0.60573584	0.63360772	-0.0278719	0.57752214	0.90650187
Cdc34	0.19758305	0.18691501	0.21479158	-0.0278766	0.71802008	0.90650187
Phc2	0.23466799	0.22207584	0.24996723	-0.0278914	0.69006743	0.90650187
Rnf38	0.10547331	0.09294274	0.12083549	-0.0278927	0.84759898	0.9143112
Senp2	0.14500835	0.13447047	0.16237271	-0.0279022	0.77754732	0.90650187
Cic	0.24582209	0.23236929	0.26027274	-0.0279034	0.6831789	0.90650187
Pick1	0.41934025	0.37805079	0.40598618	-0.0279354	0.62015826	0.90650187
Herc2	0.38671571	0.35258651	0.38052246	-0.027936	0.62792891	0.90650187
Slc29a4	0.21717583	0.20560694	0.23355357	-0.0279466	0.70262104	0.90650187
Ptdss1	0.36534911	0.33543489	0.36339056	-0.0279557	0.63382491	0.90650187
Ankrd49	0.10496431	0.09232967	0.12028822	-0.0279585	0.84926608	0.91448046
Lamtor1	0.93881367	0.69560116	0.72356856	-0.0279674	0.56821509	0.90650187
Cstf2	0.18809818	0.17759096	0.20556111	-0.0279701	0.72737784	0.90650187
Ythdc1	0.74195273	0.59183308	0.61982376	-0.0279907	0.57955671	0.90650187
Tmem184c	0.37067619	0.33968842	0.36769725	-0.0280088	0.63255876	0.90650187
Dnajc8	1.26127115	0.81235567	0.8403751	-0.0280194	0.55891681	0.90650187
1110038F14I	0.57979962	0.49216442	0.52018756	-0.0280231	0.59463727	0.90650187
Cdc27	0.2248482	0.21275842	0.2407919	-0.0280335	0.69761962	0.90650187
Fam98a	0.23358065	0.22090891	0.24895601	-0.0280471	0.69175705	0.90650187
Fgd1	0.09494944	0.08142691	0.10948138	-0.0280545	0.87268624	0.92289575

Map3k10	0.12520323	0.11373706	0.14180189	-0.0280648	0.81053125	0.9092537
Cep162	0.2254772	0.21330601	0.24138254	-0.0280765	0.69745431	0.90650187
Cherp	0.23085391	0.21832514	0.24641497	-0.0280898	0.69384275	0.90650187
Asun	0.22314107	0.21109451	0.23918687	-0.0280924	0.69921148	0.90650187
Cuedc1	0.37621009	0.34404935	0.37214517	-0.0280958	0.63142492	0.90650187
Ap4b1	0.11952897	0.10770743	0.13582096	-0.0281135	0.8212644	0.9092537
Atg13	0.13651549	0.1254654	0.15360841	-0.028143	0.79231833	0.90681274
Mthfd2l	0.29563071	0.27666553	0.30481653	-0.028151	0.65930572	0.90650187
Triap1	0.50938783	0.44404401	0.47219938	-0.0281554	0.60452371	0.90650187
Uchl5	0.27645268	0.25977531	0.28794388	-0.0281686	0.66818199	0.90650187
Rela	0.2251937	0.21294432	0.24111637	-0.0281721	0.69826778	0.90650187
Chmp3	0.66444192	0.54576813	0.57395795	-0.0281898	0.58641985	0.90650187
Trim8	0.24088299	0.227517	0.25572455	-0.0282076	0.68806399	0.90650187
Pdik1l	0.19528287	0.18435105	0.21256192	-0.0282109	0.72240927	0.90650187
Tbcb	1.28813165	0.8194907	0.84770648	-0.0282158	0.55881731	0.90650187
Ring1	0.31189474	0.2906343	0.31886035	-0.0282261	0.65303691	0.90650187
Parp4	0.10104114	0.08781517	0.11605914	-0.028244	0.86034611	0.91840739
Opa3	0.27649027	0.25972974	0.28797728	-0.0282475	0.66860602	0.90650187
Tchp	0.13934408	0.12828885	0.15653682	-0.028248	0.78879157	0.90650187
Amn1	0.42055522	0.37866132	0.40691862	-0.0282573	0.62122983	0.90650187
Braf	0.25460973	0.24004448	0.26830397	-0.0282595	0.68019336	0.90650187
Raf1	0.60533348	0.50857403	0.53683878	-0.0282647	0.59253186	0.90650187
Tle2	0.31739972	0.29526979	0.32356081	-0.028291	0.65125401	0.90650187
Cmc1	0.46985525	0.41553859	0.44383645	-0.0282979	0.61158035	0.90650187
Narfl	0.14411398	0.13314414	0.16145373	-0.0283096	0.78215756	0.90650187
Vprbp	0.18984637	0.17895394	0.20726966	-0.0283157	0.72818317	0.90650187
Gm5914	0.21088939	0.19924986	0.22757737	-0.0283275	0.70999268	0.90650187
Taf3	0.33522665	0.31026254	0.33859798	-0.0283354	0.64506433	0.90650187
Dhx30	0.56880233	0.48456034	0.51289709	-0.0283367	0.59700894	0.90650187
Nr2c2ap	0.28309119	0.26546528	0.29382255	-0.0283573	0.66605746	0.90650187

Fbxw11	0.21261039	0.20085939	0.2292175	-0.0283581	0.70883937	0.90650187
Smyd4	0.10012611	0.08670089	0.11506997	-0.0283691	0.86346272	0.9197321
Kif1bp	0.49256888	0.43187106	0.46026307	-0.028392	0.60804752	0.90650187
Zfand3	0.41241315	0.37225215	0.40064758	-0.0283954	0.62364846	0.90650187
Gmfb	0.35948604	0.33022814	0.35862409	-0.028396	0.63758248	0.90650187
Abhd13	0.18476856	0.17390139	0.20229784	-0.0283965	0.7336953	0.90650187
Hsd17b4	0.40674138	0.36785205	0.39624966	-0.0283976	0.62498452	0.90650187
Csnk2b	1.00768069	0.72547338	0.75387235	-0.028399	0.56649968	0.90650187
Dhps	0.40229385	0.36438471	0.392784	-0.0283993	0.62605726	0.90650187
Lman2l	0.66524789	0.54603603	0.57445094	-0.0284149	0.5870253	0.90650187
Phf3	0.54619758	0.46925355	0.49767689	-0.0284233	0.60021268	0.90650187
Pef1	0.34082665	0.31483312	0.34326537	-0.0284322	0.64364692	0.90650187
Cnep1r1	0.42320629	0.38050627	0.40894899	-0.0284427	0.62141356	0.90650187
Ndufc1	1.87186862	0.89804713	0.92649356	-0.0284464	0.55428497	0.90650187
Setx	0.15215033	0.14122637	0.16967735	-0.028451	0.77199278	0.90650187
Rlf	0.2040311	0.19255305	0.22101072	-0.0284577	0.71648224	0.90650187
Mtcl1	0.13504848	0.12362805	0.15208592	-0.0284579	0.79725286	0.9075779
B4galt6	0.41485506	0.3740339	0.4025336	-0.0284997	0.62352522	0.90650187
Gmpr2	0.31754926	0.29518687	0.32368813	-0.0285013	0.65226498	0.90650187
Htt	0.17444201	0.16359235	0.19210019	-0.0285078	0.74528703	0.90650187
Cdc40	0.30910848	0.28795754	0.31647117	-0.0285136	0.65562176	0.90650187
Ptrhd1	0.41089005	0.37093894	0.39946894	-0.02853	0.62456954	0.90650187
Brd7	0.57035769	0.48538556	0.51393254	-0.028547	0.59752128	0.90650187
Clasp1	0.32995258	0.30559799	0.33417799	-0.02858	0.64810258	0.90650187
Akap9	0.97662216	0.71228781	0.74087453	-0.0285867	0.56809814	0.90650187
Gas2l1	0.1732675	0.16234333	0.1909328	-0.0285895	0.74718776	0.90650187
Pex12	0.14375925	0.13248973	0.16108899	-0.0285993	0.78501988	0.90650187
3110082i17R	0.19806336	0.18665682	0.21525645	-0.0285996	0.72262482	0.90650187
Wdr35	0.15245726	0.14138588	0.16998991	-0.028604	0.77278732	0.90650187
Emsy	0.46099841	0.40871697	0.43733265	-0.0286157	0.61443084	0.90650187

Araf	0.7279869	0.58313756	0.6117818	-0.0286442	0.5824432	0.90650187
Abhd18	0.17104062	0.16005446	0.18871495	-0.0286605	0.75021372	0.90650187
Msh3	0.23453095	0.2211695	0.24983984	-0.0286703	0.69502855	0.90650187
Prr3	0.27135171	0.25471775	0.28339871	-0.028681	0.67361272	0.90650187
Maea	0.53807449	0.4634413	0.49212929	-0.028688	0.60224042	0.90650187
Akirin2	0.18409613	0.17294646	0.20163736	-0.0286909	0.73649062	0.90650187
Zkscan3	0.56561127	0.48206989	0.51076743	-0.0286975	0.59862011	0.90650187
Sp4	0.10763902	0.09441658	0.12316042	-0.0287438	0.85025776	0.91483353
Scaf8	0.17094841	0.15987053	0.188623	-0.0287525	0.75100615	0.90650187
Mdm2	0.4697361	0.41499605	0.44374936	-0.0287533	0.61334913	0.90650187
Ampd2	0.24422237	0.23002396	0.25880225	-0.0287783	0.68946787	0.90650187
Suds3	0.32025949	0.29720881	0.32599222	-0.0287834	0.65266439	0.90650187
Osbpl2	0.25799967	0.24258799	0.27138195	-0.028794	0.68142393	0.90650187
Msl3l2	0.16451969	0.15338785	0.1821887	-0.0288009	0.75890132	0.90650187
Ubfd1	0.62264236	0.51909428	0.54791096	-0.0288167	0.59243416	0.90650187
Synj1	0.15043847	0.13911346	0.16793205	-0.0288186	0.77723978	0.90650187
Cry2	0.27255943	0.25562988	0.28447719	-0.0288473	0.67393503	0.90650187
Atrn	0.15554618	0.14426464	0.17312954	-0.0288649	0.77071108	0.90650187
Erf	0.26892818	0.25236225	0.28123007	-0.0288678	0.67592522	0.90650187
Ado	0.33847315	0.31241966	0.34130703	-0.0288874	0.64664007	0.90650187
Anapc4	0.44447158	0.39615862	0.42504942	-0.0288908	0.61873873	0.90650187
Wdr70	0.35345435	0.32479052	0.35369132	-0.0289008	0.64179434	0.90650187
Mob2	0.32726719	0.30300233	0.33191837	-0.028916	0.65072995	0.90650187
Phb2	1.71229374	0.89016526	0.91908875	-0.0289235	0.55563134	0.90650187
Dnajc5	0.64197651	0.53113722	0.56007877	-0.0289415	0.59084632	0.90650187
Rab33b	0.25363733	0.23847562	0.26741901	-0.0289434	0.68479807	0.90650187
Zfp330	0.55763249	0.47646469	0.50541507	-0.0289504	0.60050179	0.90650187
Prkrir	0.16024304	0.14891635	0.17788263	-0.0289663	0.76544233	0.90650187
Armcx4	0.1548276	0.14342349	0.17240015	-0.0289767	0.77253108	0.90650187
Ncoa1	0.18837931	0.17684158	0.20583608	-0.0289945	0.73441385	0.90650187

Eif2b3	0.33661423	0.31075292	0.33975694	-0.029004	0.64784464	0.90650187
Dph6	0.27763212	0.25998252	0.2889913	-0.0290088	0.67229075	0.90650187
Gsk3a	0.16732482	0.15597395	0.18500195	-0.029028	0.75726892	0.90650187
Tmem131	0.20985006	0.19755586	0.22658539	-0.0290295	0.71551174	0.90650187
Cacul1	0.2520084	0.23689834	0.26593451	-0.0290362	0.68630202	0.90650187
Zfhx2	0.28948423	0.27039625	0.29944551	-0.0290493	0.6668636	0.90650187
Rai1	0.17501182	0.16360661	0.19266594	-0.0290593	0.74873684	0.90650187
Fam195a	0.12612118	0.11369898	0.14276567	-0.0290667	0.81729722	0.9092537
Wasf1	0.15435611	0.14284891	0.17192123	-0.0290723	0.77390337	0.90650187
Cdk5	0.38766796	0.35220017	0.38127751	-0.0290773	0.63270831	0.90650187
Tyw1	0.21746676	0.20474783	0.23382916	-0.0290813	0.70983408	0.90650187
Spns1	0.37243028	0.34002659	0.36910976	-0.0290832	0.63693629	0.90650187
Nlk	0.21122375	0.19881239	0.22789626	-0.0290839	0.71475953	0.90650187
Mtfp1	0.22695938	0.21366307	0.24277272	-0.0291097	0.70300063	0.90650187
Rbm34	0.31727829	0.29432225	0.32345741	-0.0291352	0.65558167	0.90650187
Med19	0.39626499	0.35891267	0.38806202	-0.0291494	0.63078479	0.90650187
Msantd4	0.48214538	0.42361854	0.45276806	-0.0291495	0.61264183	0.90650187
Rpf1	0.48845577	0.4281634	0.45731423	-0.0291508	0.61155674	0.90650187
Usp40	0.25417845	0.23874872	0.26791158	-0.0291629	0.68577716	0.90650187
Surf6	0.10134047	0.08719423	0.11638249	-0.0291883	0.86756196	0.92056229
Rfc4	0.20672703	0.1943984	0.22359787	-0.0291995	0.71922752	0.90650187
Dgkd	0.19599926	0.18405347	0.21325696	-0.0292035	0.72866588	0.90650187
Trpc1	0.13577067	0.12362662	0.15283575	-0.0292091	0.80223178	0.9086659
Pde12	0.19123244	0.17940376	0.20862196	-0.0292182	0.7332335	0.90650187
Mapk14	0.27018112	0.25311834	0.28235192	-0.0292336	0.67734242	0.90650187
Ttc39a	0.21927437	0.20630364	0.2355395	-0.0292359	0.70945791	0.90650187
Nbeal1	0.38203877	0.34754683	0.37680374	-0.0292569	0.63502007	0.90650187
Cdk11b	0.6897652	0.56001655	0.58928004	-0.0292635	0.58736332	0.90650187
Pkd1	0.18815544	0.17634495	0.20561712	-0.0292722	0.73659655	0.90650187
Rpusd4	0.16704035	0.15543823	0.18471706	-0.0292788	0.7594881	0.90650187

Smarca5	0.6687012	0.54725789	0.57655864	-0.0293008	0.58937053	0.90650187
Senp3	0.26989801	0.25279437	0.28209856	-0.0293042	0.67788986	0.90650187
Rab36	0.15053283	0.13869313	0.16802835	-0.0293352	0.78116561	0.90650187
Foxp4	0.31849569	0.29515556	0.32449345	-0.0293379	0.65613344	0.90650187
Napg	0.3222068	0.2982828	0.32764347	-0.0293607	0.65482426	0.90650187
Rab5b	0.25054994	0.23523598	0.26460318	-0.0293672	0.68913478	0.90650187
Fat1	0.30020227	0.27941463	0.3087881	-0.0293735	0.66381163	0.90650187
Luc7l3	1.23212199	0.80259249	0.83197602	-0.0293835	0.56238108	0.90650187
BC005624	0.63090765	0.52375353	0.55313768	-0.0293842	0.59334671	0.90650187
Adck4	0.21503915	0.20214055	0.23152692	-0.0293864	0.71370967	0.90650187
Dmrtc1a	0.17503511	0.16329919	0.19268906	-0.0293899	0.75113495	0.90650187
Casd1	0.28058528	0.26221528	0.29160826	-0.029393	0.67295944	0.90650187
Sep-15	2.39053998	0.87746164	0.90686049	-0.0293988	0.55729669	0.90650187
Mrpl19	0.47565546	0.41866287	0.44806448	-0.0294016	0.61474848	0.90650187
Leo1	0.42284457	0.37926635	0.40867227	-0.0294059	0.62547133	0.90650187
Fer	0.19893258	0.18666312	0.21609701	-0.0294339	0.72758386	0.90650187
Ncbp3	0.36592556	0.33441789	0.36385769	-0.0294398	0.64046238	0.90650187
Nudcd3	0.86031936	0.65487101	0.68433893	-0.0294679	0.57590551	0.90650187
Mrps11	0.66861752	0.54703408	0.57650765	-0.0294736	0.58989647	0.90650187
Gnl1	0.41575924	0.3736913	0.40323082	-0.0295395	0.62766383	0.90650187
Kifap3	0.44153429	0.39330451	0.42284501	-0.0295405	0.62193845	0.90650187
Rnf113a2	0.22288478	0.20940461	0.23894562	-0.029541	0.70870774	0.90650187
Rab1b	0.57676089	0.48863771	0.51818023	-0.0295425	0.60004099	0.90650187
Gaa	0.69041676	0.56011998	0.58966995	-0.02955	0.5881472	0.90650187
Crbn	0.2504192	0.23492964	0.26448373	-0.0295541	0.69032206	0.90650187
Ino80e	0.46300333	0.40924023	0.43880972	-0.0295695	0.61774749	0.90650187
Snrnp48	0.39560407	0.35796113	0.38754268	-0.0295816	0.63282243	0.90650187
Katnb1	0.20752984	0.19476955	0.22436682	-0.0295973	0.72121024	0.90650187
Usp20	0.14408706	0.13181694	0.16142606	-0.0296091	0.79258478	0.90681274
Mpc1	0.91460214	0.68218893	0.7118042	-0.0296153	0.5733712	0.90650187

Coq6	0.2447435	0.22965308	0.25928155	-0.0296285	0.69427536	0.90650187
4930402H24	0.33174434	0.30603852	0.33568225	-0.0296437	0.65268755	0.90650187
Nudt16l1	0.69999955	0.56570248	0.59537711	-0.0296746	0.58767831	0.90650187
Brpf1	0.14995799	0.13776533	0.16744158	-0.0296763	0.78462538	0.90650187
Rbm12	0.16462736	0.1525998	0.18229685	-0.0296971	0.76553193	0.90650187
Osbp	0.18759093	0.17534549	0.20506474	-0.0297192	0.74030459	0.90650187
Wipf2	0.14781174	0.13552204	0.1652472	-0.0297252	0.78805446	0.90650187
1300002E11l	0.27189429	0.25415057	0.28388346	-0.0297329	0.67925488	0.90650187
Tcof1	0.26270573	0.24589538	0.27563669	-0.0297413	0.6842735	0.90650187
Ctu2	0.25052754	0.23484008	0.26458271	-0.0297426	0.69137285	0.90650187
Ccdc32	0.28311926	0.26409777	0.29384733	-0.0297496	0.67367362	0.90650187
Rbsn	0.19313524	0.18072226	0.21047505	-0.0297528	0.73513943	0.90650187
Fam136a	0.62905652	0.52215649	0.55197035	-0.0298139	0.59488246	0.90650187
Cyld	0.18708363	0.17474933	0.20456805	-0.0298187	0.74151098	0.90650187
Cry1	0.32939259	0.30386974	0.3337073	-0.0298376	0.65449774	0.90650187
Pcm1	1.00834983	0.72429071	0.75414571	-0.029855	0.56984989	0.90650187
Amdhd2	0.1954858	0.18288944	0.21275886	-0.0298694	0.73372657	0.90650187
Clptm1	0.72814743	0.58199896	0.61187477	-0.0298758	0.58592081	0.90650187
Picalm	0.5187032	0.44881785	0.47873078	-0.0299129	0.60940881	0.90650187
Nutf2	0.49669453	0.43329538	0.4632086	-0.0299132	0.61297817	0.90650187
Rbm8a	1.51572694	0.86605349	0.89596874	-0.0299153	0.55899952	0.90650187
Armc10	0.39039393	0.35350171	0.38343508	-0.0299334	0.63572394	0.90650187
Tasp1	0.16476065	0.1524933	0.18243071	-0.0299374	0.76716333	0.90650187
Eef2kmt	0.35621596	0.32601571	0.35595349	-0.0299378	0.64576124	0.90650187
Ube2f	0.43719831	0.38963372	0.41957956	-0.0299458	0.62448733	0.90650187
Pa2g4	1.20456706	0.79385676	0.82380592	-0.0299492	0.56419682	0.90650187
Fam213b	0.36349536	0.3319275	0.36188654	-0.029959	0.64357555	0.90650187
Wdr83	0.37204126	0.3388158	0.36879671	-0.0299809	0.64109998	0.90650187
Rchy1	0.82031668	0.63325679	0.66324204	-0.0299852	0.57964537	0.90650187
Fntb	0.161054	0.14870468	0.17870075	-0.0299961	0.77223384	0.90650187

Paxbp1	0.16556244	0.15323781	0.1832355	-0.0299977	0.76663057	0.90650187
Tmco1	1.41505448	0.8475016	0.87749935	-0.0299977	0.56039677	0.90650187
Cops8	0.86665168	0.6576014	0.68761329	-0.0300119	0.57692576	0.90650187
Igf2bp3	0.58048423	0.49061419	0.52063906	-0.0300249	0.60116928	0.90650187
Eif2b5	0.38115871	0.3460752	0.37610207	-0.0300269	0.63867673	0.90650187
Mapk6	0.21583305	0.20225045	0.23228048	-0.03003	0.7172676	0.90650187
Creb1	0.3254284	0.30033328	0.33036755	-0.0300343	0.65695158	0.90650187
Zfp598	0.11004705	0.09569979	0.12573862	-0.0300388	0.85589374	0.9165432
Katnal1	0.17285624	0.16048171	0.19052362	-0.0300419	0.75834426	0.90650187
Creld1	0.33068959	0.30475362	0.33479707	-0.0300434	0.65502843	0.90650187
Trim24	0.27312732	0.25493858	0.28498375	-0.0300452	0.68035433	0.90650187
Smad5	0.32606086	0.3008394	0.33090129	-0.0300619	0.65684832	0.90650187
Numa1	0.36222762	0.33078485	0.36085637	-0.0300715	0.64448352	0.90650187
Nr1h2	0.30756612	0.28505594	0.31514566	-0.0300897	0.6643852	0.90650187
Med18	0.13585424	0.12278626	0.15292247	-0.0301362	0.80950922	0.9092537
Yy1	0.60772053	0.50823209	0.53837598	-0.0301439	0.59828532	0.90650187
Cbfb	0.64472007	0.53160587	0.56178815	-0.0301823	0.5943859	0.90650187
Prpf3	0.23716211	0.22208572	0.25228228	-0.0301966	0.70267521	0.90650187
Utp18	0.38071329	0.34554738	0.3757467	-0.0301993	0.63956641	0.90650187
Ppp1r35	0.50734203	0.44055788	0.47075745	-0.0301996	0.61225076	0.90650187
Uimc1	0.42387695	0.37924351	0.4094618	-0.0302183	0.62857663	0.90650187
Pyurf	0.42498147	0.38006373	0.41030564	-0.0302419	0.62841827	0.90650187
Psmc2	1.94236538	0.89705092	0.92729723	-0.0302463	0.55764675	0.90650187
Gspt1	0.91355815	0.68103651	0.71129005	-0.0302535	0.57498749	0.90650187
Rprd1a	0.25762377	0.24078431	0.27104119	-0.0302569	0.69014877	0.90650187
Zfyve27	0.23163017	0.21687616	0.24713913	-0.030263	0.70690946	0.90650187
lpo13	0.18543131	0.17266842	0.20294835	-0.0302799	0.74642607	0.90650187
Rpl7l1	0.67823719	0.55205704	0.58234595	-0.0302889	0.59142974	0.90650187
lrf2bp1	0.42983322	0.38369834	0.41400169	-0.0303034	0.6275614	0.90650187
Prpf39	0.27391395	0.25537052	0.28568491	-0.0303144	0.68143989	0.90650187

Atxn7l1	0.16195378	0.149292	0.17960761	-0.0303156	0.77348253	0.90650187
B4galt5	0.22780465	0.21322245	0.24356454	-0.0303421	0.71014629	0.90650187
Limd1	0.51245625	0.44401234	0.47435699	-0.0303447	0.61194263	0.90650187
Pcnxl3	0.15819323	0.14546454	0.17581137	-0.0303468	0.77856531	0.90650187
Alg5	0.51251686	0.44404648	0.47439955	-0.0303531	0.61196306	0.90650187
Scarb1	0.29592837	0.27471262	0.30507576	-0.0303631	0.67092036	0.90650187
Sh3glb2	0.38205474	0.34645175	0.37681647	-0.0303647	0.63991701	0.90650187
Pdhx	0.17940559	0.16661833	0.19701641	-0.0303981	0.75361888	0.90650187
Epc2	0.25311465	0.23652858	0.26694296	-0.0304144	0.69375207	0.90650187
Msh2	0.32278758	0.29770063	0.32813523	-0.0304346	0.6599515	0.90650187
Camk2g	0.25979195	0.24254834	0.27300484	-0.0304565	0.6900363	0.90650187
Rad1	0.2309325	0.2160251	0.24648832	-0.0304632	0.70864399	0.90650187
Tmem65	0.21690143	0.20281965	0.23329356	-0.0304739	0.71928078	0.90650187
Zfp358	0.35749136	0.32650366	0.35699612	-0.0304925	0.64792222	0.90650187
Misp	0.17568823	0.16283452	0.19333708	-0.0305026	0.75846637	0.90650187
Metap1	0.41555211	0.37254741	0.40307116	-0.0305237	0.6318121	0.90650187
Cep170b	0.25695408	0.23990374	0.27043377	-0.03053	0.69212294	0.90650187
Fgfr1op2	0.77683965	0.60896674	0.63950277	-0.030536	0.58405419	0.90650187
Atg16l1	0.2197598	0.2054588	0.23599824	-0.0305394	0.71745084	0.90650187
Nomo1	0.24360351	0.22769109	0.25823271	-0.0305416	0.70048273	0.90650187
Hmgxb4	0.33380105	0.30681761	0.33740557	-0.030588	0.65653419	0.90650187
Zkscan1	0.39420662	0.35585347	0.3864431	-0.0305896	0.63754351	0.90650187
Gga2	0.43955455	0.39075413	0.42135573	-0.0306016	0.62660273	0.90650187
Ddx54	0.52298256	0.45109904	0.48171113	-0.0306121	0.61122463	0.90650187
Rpl15	3.96811536	0.65885283	0.6894878	-0.030635	0.57829162	0.90650187
Alg3	0.17102991	0.15806534	0.18870427	-0.0306389	0.76479437	0.90650187
Pkig	0.80770504	0.62580146	0.65644377	-0.0306423	0.58219719	0.90650187
Cyfip2	0.16952308	0.15655656	0.18720042	-0.0306439	0.76660919	0.90650187
Tulp3	0.34610421	0.31699557	0.34763985	-0.0306443	0.65242578	0.90650187
1700088E04I	0.17130358	0.15832283	0.18897713	-0.0306543	0.76458505	0.90650187

Mrps2	0.19156343	0.17827427	0.20894459	-0.0306703	0.74297889	0.90650187
Zfp638	0.64076434	0.52863924	0.55932198	-0.0306827	0.59633531	0.90650187
Setd2	0.49881402	0.43402936	0.46471721	-0.0306879	0.61545601	0.90650187
Pacrgl	0.19417667	0.18079653	0.21148763	-0.0306911	0.74058398	0.90650187
Nubp2	0.26216746	0.24444401	0.27515111	-0.0307071	0.69009991	0.90650187
Vps9d1	0.24269953	0.22669124	0.2574001	-0.0307089	0.70207525	0.90650187
Sppl2b	0.18268108	0.16953663	0.20024583	-0.0307092	0.75230688	0.90650187
Mydgf	1.45785221	0.85515339	0.88586626	-0.0307129	0.56124583	0.90650187
Ilf3	0.51210424	0.44338909	0.47410978	-0.0307207	0.61334964	0.90650187
Ercc6l2	0.16922659	0.15617955	0.18690422	-0.0307247	0.76754965	0.90650187
Tmem245	0.34046792	0.31223421	0.34296717	-0.030733	0.65482001	0.90650187
1600020E01l	0.20177892	0.18810495	0.21884355	-0.0307386	0.73382625	0.90650187
Cdc26	1.19808875	0.79111562	0.82186557	-0.03075	0.56605198	0.90650187
Rnf25	0.16793656	0.15486429	0.18561429	-0.03075	0.76928264	0.90650187
Rrp9	0.20792679	0.19399083	0.22474677	-0.0307559	0.7285284	0.90650187
Ppfia1	0.17333183	0.16021753	0.19099678	-0.0307793	0.7631316	0.90650187
Trak1	0.21299582	0.19879635	0.2295844	-0.030788	0.72446948	0.90650187
N6amt2	0.52361416	0.45135169	0.48215002	-0.0307983	0.61178421	0.90650187
Ankrd39	0.33671418	0.30903766	0.33984036	-0.0308027	0.65650531	0.90650187
Dtd2	0.33647267	0.30881041	0.33963878	-0.0308284	0.65671685	0.90650187
Mtfr1	0.28078122	0.26094605	0.2917816	-0.0308356	0.68075563	0.90650187
Rif1	0.37279306	0.33856504	0.36940159	-0.0308366	0.64472074	0.90650187
Sec16a	0.24193485	0.22585142	0.25669517	-0.0308437	0.70338846	0.90650187
Dus1l	0.2629769	0.24503211	0.27588121	-0.0308491	0.69044382	0.90650187
Akap8	0.38904357	0.35151681	0.38236701	-0.0308502	0.64008321	0.90650187
Zranb2	0.9361213	0.69141035	0.72227136	-0.030861	0.5753261	0.90650187
Hps4	0.20590424	0.19194038	0.22280908	-0.0308687	0.73102272	0.90650187
Zfand1	0.18625681	0.17287275	0.20375792	-0.0308852	0.74979823	0.90650187
Fam222a	0.20866301	0.19456322	0.22545105	-0.0308878	0.72876045	0.90650187
Sdr39u1	0.19660717	0.18293275	0.21384631	-0.0309136	0.73977615	0.90650187

Anapc2	0.52635775	0.45311134	0.48405355	-0.0309422	0.61186264	0.90650187
Prdm2	0.25697773	0.23950146	0.27045522	-0.0309538	0.69455454	0.90650187
Foxj3	0.22670681	0.21153716	0.24253599	-0.0309988	0.71504988	0.90650187
Gtf2h3	0.35523174	0.32414284	0.35514798	-0.0310051	0.65103287	0.90650187
Mrpl51	1.03667097	0.73449995	0.7655133	-0.0310134	0.57146512	0.90650187
Dnpep	0.97309259	0.70832544	0.7393512	-0.0310258	0.57399451	0.90650187
Ptbp2	0.29631945	0.27437826	0.30541625	-0.031038	0.67428831	0.90650187
Prmt6	0.23336542	0.21768109	0.24875571	-0.0310746	0.71067107	0.90650187
Exog	0.11467027	0.09958894	0.1306684	-0.0310795	0.85483244	0.91627438
Psmg1	0.44747042	0.39620257	0.42729261	-0.03109	0.62682836	0.90650187
Usp38	0.08990798	0.07290276	0.10400343	-0.0311007	0.90814065	0.93875746
Zranb1	0.36030764	0.32817643	0.3592937	-0.0311173	0.64988857	0.90650187
Irak1bp1	0.30086536	0.27821402	0.30936255	-0.0311485	0.67278306	0.90650187
Atad3a	0.33770388	0.30951398	0.34066591	-0.0311519	0.65782158	0.90650187
Gtf2ird1	0.23159545	0.21595074	0.24710674	-0.031156	0.71243629	0.90650187
Dhrs1	0.43453223	0.3863095	0.41756498	-0.0312555	0.63034287	0.90650187
Acyp1	0.56902666	0.48179093	0.51304652	-0.0312556	0.60674034	0.90650187
9430016H08	0.34190868	0.31284958	0.34416416	-0.0313146	0.65707519	0.90650187
Dctn6	0.46222159	0.4069165	0.43823413	-0.0313176	0.62464277	0.90650187
Nacc2	0.22894925	0.21331736	0.24463561	-0.0313182	0.71536485	0.90650187
Vps51	0.17468788	0.16100843	0.19234435	-0.0313359	0.76554667	0.90650187
Sec24a	0.27827136	0.25821951	0.28955846	-0.031339	0.68479455	0.90650187
Scfd1	0.66525752	0.54310191	0.57445683	-0.0313549	0.59586152	0.90650187
Eif4e	1.18618019	0.78681438	0.81818165	-0.0313673	0.56766584	0.90650187
Ncstn	0.50664838	0.43889772	0.47026792	-0.0313702	0.61659628	0.90650187
Rxrb	0.20752081	0.19298729	0.22435818	-0.0313709	0.73289986	0.90650187
Stx8	0.45327246	0.40024319	0.4316145	-0.0313713	0.62669889	0.90650187
Bsdc1	0.30813619	0.28423852	0.31563583	-0.0313973	0.67083453	0.90650187
Zdhhc8	0.12759191	0.11291033	0.14430771	-0.0313974	0.83328828	0.91056108
C330006A16	0.33260156	0.30498704	0.33640095	-0.0314139	0.66098072	0.90650187

Taok2	0.38312691	0.34624937	0.37767047	-0.0314211	0.64425723	0.90650187
Dctn5	0.28937454	0.26791148	0.29934935	-0.0314379	0.67970734	0.90650187
Sacm1l	0.42860436	0.38160651	0.41306718	-0.0314607	0.63254193	0.90650187
Bscl2	0.35294372	0.32181017	0.35327235	-0.0314622	0.65391892	0.90650187
Zer1	0.21755667	0.20244736	0.23391432	-0.031467	0.72509279	0.90650187
Rfxap	0.22560614	0.21001303	0.24150356	-0.0314905	0.71893439	0.90650187
Tulp4	0.49486842	0.43041258	0.46190643	-0.0314938	0.61909763	0.90650187
Rprd2	0.30902343	0.28489085	0.31639812	-0.0315073	0.67100806	0.90650187
Eri3	0.73323842	0.58330082	0.61481682	-0.031516	0.5901323	0.90650187
Gm9803	0.23525904	0.21897947	0.2505164	-0.0315369	0.71213989	0.90650187
Tom1l1	0.1892654	0.17515538	0.20670223	-0.0315469	0.7512687	0.90650187
Hacd3	0.34438362	0.31464214	0.3462163	-0.0315742	0.65741908	0.90650187
Cpsf4	0.16887361	0.15495943	0.18655145	-0.031592	0.77423063	0.90650187
Tmem127	0.22589639	0.21016706	0.24177593	-0.0316089	0.71944775	0.90650187
Gnai3	0.96678027	0.70498786	0.73661428	-0.0316264	0.57568683	0.90650187
Prpf38b	0.83277756	0.63825704	0.66988957	-0.0316325	0.58313643	0.90650187
Dnajb12	0.30604779	0.28219907	0.31383876	-0.0316397	0.6729899	0.90650187
Rbm10	0.47868712	0.4185921	0.45026524	-0.0316731	0.62275279	0.90650187
2310035C23I	0.22819067	0.21222607	0.2439259	-0.0316998	0.71827911	0.90650187
Ormdl3	0.52913549	0.45425147	0.48597591	-0.0317244	0.61417169	0.90650187
Pym1	0.33314428	0.30512971	0.33685565	-0.0317259	0.66228182	0.90650187
Wash1	0.45227941	0.39914612	0.43087648	-0.0317304	0.62831004	0.90650187
Dopey1	0.24306988	0.22599598	0.25774131	-0.0317453	0.70800084	0.90650187
Dcaf8	0.87638503	0.66086	0.69260829	-0.0317483	0.58073768	0.90650187
Eif4enif1	0.22064197	0.20507659	0.23683128	-0.0317547	0.72443694	0.90650187
Grsf1	0.29121117	0.26920051	0.30095803	-0.0317575	0.68050336	0.90650187
Mpi	0.11576222	0.10004718	0.13182892	-0.0317817	0.85808634	0.91737198
D030056L22I	0.29880552	0.27579124	0.30757675	-0.0317855	0.6770325	0.90650187
Sgsm3	0.16136905	0.14722489	0.17901838	-0.0317935	0.78510046	0.90650187
Dlat	0.5165247	0.44539915	0.47720842	-0.0318093	0.6165112	0.90650187

0610009020	0.29505596	0.27248209	0.30431574	-0.0318336	0.67904963	0.90650187
Znrd1as	0.12462781	0.10935724	0.14119723	-0.03184	0.84194522	0.91251845
Rps7	4.61002214	0.55994499	0.59179732	-0.0318523	0.59455423	0.90650187
Kidins220	0.26216942	0.24328336	0.27515288	-0.0318695	0.69669249	0.90650187
Tarbp2	0.30462626	0.28073054	0.31261332	-0.0318828	0.67486897	0.90650187
Dolk	0.18644444	0.17205734	0.20394183	-0.0318845	0.75648201	0.90650187
Eaf1	0.15957536	0.14528483	0.17720849	-0.0319237	0.78839502	0.90650187
Ssbp4	0.86820777	0.65647692	0.6884144	-0.0319375	0.58169991	0.90650187
Zmiz2	0.22443184	0.20846095	0.24040072	-0.0319398	0.72262106	0.90650187
Mar-08	0.30904451	0.28443019	0.31641623	-0.031986	0.67342829	0.90650187
Mzt1	0.4935688	0.42899143	0.46097824	-0.0319868	0.62113997	0.90650187
Supt7l	0.18368742	0.16924179	0.20123567	-0.0319939	0.76015278	0.90650187
Src	0.13368399	0.11866671	0.15066753	-0.0320008	0.82747097	0.90947782
Slc7a4	0.21223131	0.19681157	0.2288565	-0.0320449	0.73318762	0.90650187
Tmem68	0.17762207	0.16319481	0.19525303	-0.0320582	0.76727908	0.90650187
Zfp386	0.2270914	0.210837	0.24289644	-0.0320594	0.72131996	0.90650187
Golga5	0.18419654	0.1696577	0.20173602	-0.0320783	0.76018629	0.90650187
Fcf1	0.58361198	0.49061539	0.52269828	-0.0320829	0.60752285	0.90650187
Timm9	0.36382477	0.33005725	0.362154	-0.0320968	0.65321035	0.90650187
Zzz3	0.40060643	0.35936023	0.39146517	-0.0321049	0.64229283	0.90650187
Usp50	0.92503725	0.68477552	0.71690207	-0.0321266	0.57895511	0.90650187
Stk19	0.24741059	0.22959346	0.26173043	-0.032137	0.70741911	0.90650187
Xrcc1	0.44769525	0.39530564	0.42746053	-0.0321549	0.63096572	0.90650187
1110051M2C	0.30448119	0.28031558	0.31248817	-0.0321726	0.67641697	0.90650187
Ldah	0.26337695	0.24406789	0.27624181	-0.0321739	0.69769422	0.90650187
Cdc5l	0.84784234	0.64564978	0.67783376	-0.032184	0.58358765	0.90650187
Ppwd1	0.2668733	0.24719039	0.27938698	-0.0321966	0.69578374	0.90650187
Rce1	0.40135197	0.35984797	0.39204813	-0.0322002	0.64249349	0.90650187
Nat6	0.14346447	0.1285751	0.16078577	-0.0322107	0.81342835	0.9092537
Rcbtb1	0.27292945	0.2525814	0.28480728	-0.0322259	0.69252464	0.90650187

Slain2	0.37134468	0.33599888	0.36823585	-0.032237	0.65143136	0.90650187
Rmi1	0.16870054	0.15413778	0.18637844	-0.0322407	0.77906009	0.90650187
lpo8	0.19103854	0.17618249	0.20843291	-0.0322504	0.75422955	0.90650187
Aimp1	1.17263696	0.78157405	0.81384441	-0.0322704	0.56996148	0.90650187
Zfp740	0.17589993	0.16126276	0.19354702	-0.0322843	0.77081736	0.90650187
Rexo1	0.43870402	0.38842461	0.42071505	-0.0322904	0.63352582	0.90650187
Scmh1	0.28222268	0.26075796	0.29305577	-0.0322978	0.68791617	0.90650187
Pvrl3	0.23186898	0.2150388	0.24736179	-0.032323	0.71934992	0.90650187
Zfp553	0.29949297	0.27584429	0.30817317	-0.0323289	0.6795232	0.90650187
Zmpste24	0.38799287	0.34918335	0.38153497	-0.0323516	0.64689753	0.90650187
Tfg	1.0481446	0.73760211	0.76998526	-0.0323831	0.5741572	0.90650187
Tmem101	0.37981562	0.34263797	0.37503005	-0.0323921	0.64950179	0.90650187
lrf2bpl	0.76471651	0.60032905	0.63272998	-0.0324009	0.59004133	0.90650187
Oscp1	0.11323548	0.09673412	0.12914129	-0.0324072	0.86770247	0.92062353
Zmym4	0.23847583	0.22108015	0.2534992	-0.0324191	0.71516303	0.90650187
Mterf4	0.23216529	0.21520575	0.24763797	-0.0324322	0.71979225	0.90650187
Map3k4	0.1790117	0.16417816	0.19662727	-0.0324491	0.76841953	0.90650187
Chuk	0.38918338	0.35002219	0.38247766	-0.0324555	0.64700078	0.90650187
Ccnl1	0.95038037	0.69658053	0.72904141	-0.0324609	0.57845496	0.90650187
Lrrc45	0.20048086	0.18512761	0.21759207	-0.0324645	0.746424	0.90650187
Crcp	0.22575062	0.2091694	0.24163915	-0.0324697	0.72486945	0.90650187
Tsen34	1.54897219	0.86885282	0.90132864	-0.0324758	0.56363031	0.90650187
Mcat	0.22194331	0.20558194	0.23805871	-0.0324768	0.72790349	0.90650187
Luc7l	0.78253039	0.61017957	0.64265907	-0.0324795	0.58888494	0.90650187
Dmwd	0.13739185	0.12200933	0.15451671	-0.0325074	0.82517569	0.90934433
1810026J23F	0.28894181	0.26645734	0.29896988	-0.0325125	0.68561299	0.90650187
Tmem9	0.9041147	0.67408311	0.70660187	-0.0325188	0.58105484	0.90650187
Oxa1l	0.54700888	0.46567362	0.49822856	-0.0325549	0.61427624	0.90650187
Ndufaf3	0.62283597	0.51543641	0.54803383	-0.0325974	0.60427479	0.90650187
Tlk2	0.20880579	0.19296607	0.22558756	-0.0326215	0.73984412	0.90650187

Ankrd13a	0.17700736	0.16198783	0.19464445	-0.0326566	0.77212549	0.90650187
Ccdc91	0.25106917	0.23240524	0.26507738	-0.0326721	0.70813472	0.90650187
Sf3b3	0.44411246	0.39210622	0.42478024	-0.032674	0.63380772	0.90650187
Prpsap2	0.20062876	0.18505745	0.21773475	-0.0326773	0.74767459	0.90650187
Fam20b	0.28935309	0.26664856	0.29933055	-0.032682	0.68629918	0.90650187
Rbmx2	0.25049098	0.23186442	0.26454931	-0.0326849	0.70858363	0.90650187
Dhx32	0.25334689	0.23445147	0.26715451	-0.032703	0.70684726	0.90650187
Trmu	0.13934558	0.12381828	0.15653837	-0.0327201	0.82361587	0.9092537
Mrps5	0.63624015	0.52376876	0.55648995	-0.0327212	0.6031073	0.90650187
Mettl10	0.44771822	0.39475289	0.42747768	-0.0327248	0.63319431	0.90650187
Klc2	0.2831693	0.26116666	0.29389148	-0.0327248	0.68970639	0.90650187
Taf15	0.37355609	0.33727698	0.37001504	-0.0327381	0.65296462	0.90650187
Ssh1	0.15007008	0.13481324	0.16755602	-0.0327428	0.80750351	0.9092537
Trim28	0.6636051	0.54070029	0.57344574	-0.0327454	0.60019707	0.90650187
Cdk9	0.36180382	0.3277631	0.36051169	-0.0327486	0.65683307	0.90650187
Isoc1	0.3557656	0.32281732	0.355585	-0.0327677	0.65897566	0.90650187
Mrps9	0.40068316	0.358754	0.39152519	-0.0327712	0.64509202	0.90650187
Top3b	0.2233707	0.20662134	0.23940294	-0.0327816	0.72865156	0.90650187
Ankmy2	0.25489039	0.23577524	0.26855922	-0.032784	0.7063287	0.90650187
Ints3	0.26058144	0.24089701	0.27371875	-0.0328217	0.70300904	0.90650187
Stau2	0.24849709	0.22990271	0.26272577	-0.0328231	0.71069015	0.90650187
Ppp1r10	0.39275557	0.35247653	0.38529962	-0.0328231	0.64755005	0.90650187
1110059G10	0.39184573	0.35175861	0.3845818	-0.0328232	0.6478129	0.90650187
Rnf181	0.48027593	0.41858057	0.45141611	-0.0328355	0.626792	0.90650187
Hsf1	0.25086521	0.23202411	0.26489114	-0.032867	0.70938869	0.90650187
Al413582	0.28816411	0.26541524	0.29828747	-0.0328722	0.68790472	0.90650187
Tceanc2	0.17404868	0.15879655	0.19170945	-0.0329129	0.77733599	0.90650187
Psmc1	0.90738189	0.67530337	0.70822775	-0.0329244	0.58186588	0.90650187
Ddx17	0.81740998	0.62874475	0.66168192	-0.0329372	0.58756791	0.90650187
Smim13	0.13744724	0.12163035	0.15457408	-0.0329437	0.82830127	0.9096066

Zc2hc1a	0.31314373	0.28698394	0.31992914	-0.0329452	0.67644947	0.90650187
Adprm	0.20211531	0.18621281	0.21916759	-0.0329548	0.74807884	0.90650187
2810403A07	0.41633847	0.37070823	0.40367715	-0.0329689	0.64172719	0.90650187
Fam50a	0.45932508	0.4031223	0.43609773	-0.0329754	0.63162243	0.90650187
Taf1	0.29144875	0.26817423	0.3011659	-0.0329917	0.68687107	0.90650187
Mrps14	1.21547569	0.79399983	0.8270406	-0.0330408	0.57048328	0.90650187
Eef1d	2.17006736	0.88887803	0.92192136	-0.0330433	0.56329895	0.90650187
Fam102a	0.20539415	0.18925206	0.22231973	-0.0330677	0.74576957	0.90650187
Ufsp2	0.69148159	0.55723541	0.59030656	-0.0330711	0.59834252	0.90650187
Tax1bp1	1.1860325	0.78504847	0.81813469	-0.0330862	0.5713393	0.90650187
Med12	0.15970917	0.14423868	0.17734363	-0.0331049	0.79669291	0.9075779
Fam168b	0.22789733	0.21054172	0.24365132	-0.0331096	0.72711477	0.90650187
Tor2a	0.74673006	0.58943693	0.62255231	-0.0331154	0.59346786	0.90650187
2410016O06	0.16395116	0.14850139	0.18161745	-0.0331161	0.79120526	0.90660917
Cdk7	0.3642124	0.32935075	0.36246863	-0.0331179	0.65769639	0.90650187
Tmem80	0.25744034	0.23774658	0.27087486	-0.0331283	0.70667681	0.90650187
S100pbb	0.22234854	0.20528597	0.23844057	-0.0331546	0.73176209	0.90650187
Immt	0.83810157	0.63955372	0.67270989	-0.0331562	0.58671887	0.90650187
Zfp617	0.20472825	0.18851362	0.22168047	-0.0331669	0.74701696	0.90650187
Sh3yl1	0.14892383	0.13320538	0.16638497	-0.0331796	0.81233098	0.9092537
Fbxl5	0.3007285	0.27605537	0.30924402	-0.0331887	0.68335841	0.90650187
Zfp322a	0.47255789	0.41259324	0.4458094	-0.0332162	0.62976505	0.90650187
Eif4g3	0.57983554	0.48698624	0.52021126	-0.033225	0.61176928	0.90650187
Csnk1e	0.40828007	0.36421683	0.39744516	-0.0332283	0.64493226	0.90650187
Dicer1	0.35294107	0.3200386	0.35327018	-0.0332316	0.66209638	0.90650187
Ttc19	0.19226528	0.17638322	0.2096283	-0.0332451	0.75960468	0.90650187
Map2k2	1.3545098	0.83092943	0.86418313	-0.0332537	0.5679143	0.90650187
Yars2	0.17145248	0.15585713	0.18912556	-0.0332684	0.7828961	0.90650187
Surf2	0.25452649	0.23495928	0.26822825	-0.033269	0.70931987	0.90650187
Uqcc3	0.88044412	0.66140169	0.69468017	-0.0332785	0.58432313	0.90650187

Cul5	0.60600321	0.50397299	0.5372704	-0.0332974	0.60854049	0.90650187
Actr1a	0.45379726	0.39870115	0.43200425	-0.0333031	0.63409191	0.90650187
Ppm1d	0.22880649	0.21118326	0.24450209	-0.0333188	0.72768033	0.90650187
Fbxw2	0.6833511	0.55209669	0.5854303	-0.0333336	0.5999149	0.90650187
Stat3	0.65614896	0.53552847	0.56886565	-0.0333372	0.60277077	0.90650187
Dnajc18	0.29748834	0.27309186	0.30643281	-0.033341	0.68569968	0.90650187
2310061I04R	0.26292356	0.24248816	0.27583312	-0.033345	0.70451164	0.90650187
2610301B20	0.21309398	0.19632477	0.22967781	-0.033353	0.740723	0.90650187
Sft2d3	0.12973076	0.11318109	0.14654561	-0.0333645	0.84426582	0.91310457
Aup1	0.36161435	0.32699148	0.36035755	-0.0333661	0.65969307	0.90650187
Rgl2	0.35202359	0.31913987	0.35251686	-0.033377	0.66309277	0.90650187
Tbc1d19	0.23088214	0.21305357	0.24644132	-0.0333877	0.72650895	0.90650187
Trim25	0.17513045	0.15938202	0.19278369	-0.0334017	0.77942272	0.90650187
Aes	1.63256593	0.87825785	0.91171335	-0.0334555	0.5647929	0.90650187
Arfgap3	0.28762159	0.26434524	0.29781109	-0.0334659	0.69130933	0.90650187
Cmtm4	0.29647623	0.27207599	0.3055527	-0.0334767	0.68689416	0.90650187
Snx13	0.14395876	0.12781469	0.16129415	-0.0334795	0.82193504	0.9092537
Zfp281	0.21371835	0.19674694	0.23027177	-0.0335248	0.74125762	0.90650187
Arl2	0.72277517	0.57522875	0.6087567	-0.0335279	0.59671242	0.90650187
Sec24b	0.24444478	0.22543357	0.25900962	-0.0335761	0.71779205	0.90650187
Gle1	0.35073964	0.31785854	0.35146146	-0.0336029	0.66459644	0.90650187
Pgs1	0.29727782	0.2726041	0.30624984	-0.0336457	0.68737054	0.90650187
Tnks2	0.65430268	0.53406425	0.56772701	-0.0336628	0.60395496	0.90650187
Txndc12	0.82628636	0.63277157	0.66643488	-0.0336633	0.58883873	0.90650187
Rbm3	2.67525579	0.84689621	0.88056861	-0.0336724	0.56749384	0.90650187
Syncrip	0.89970487	0.67072751	0.70440081	-0.0336733	0.58414874	0.90650187
Kdm5c	0.36430938	0.32883081	0.36254733	-0.0337165	0.66035665	0.90650187
Ptges2	0.17198195	0.15590989	0.18965313	-0.0337432	0.78551809	0.90650187
Nucb1	1.18276429	0.78333734	0.81709365	-0.0337563	0.57285984	0.90650187
Mrpl10	0.5264587	0.45035712	0.4841235	-0.0337664	0.62174603	0.90650187

Kbtbd3	0.15172465	0.13543451	0.16924367	-0.0338092	0.81275159	0.9092537
Ccni	0.81445922	0.62625897	0.66009446	-0.0338355	0.59012842	0.90650187
Use1	1.14008534	0.76943249	0.80327241	-0.0338399	0.57428047	0.90650187
lqgap1	0.82903449	0.63405219	0.66789963	-0.0338474	0.58912391	0.90650187
Wdr6	0.69980515	0.56139767	0.59526179	-0.0338641	0.59983041	0.90650187
Osbpl9	0.2716409	0.24978607	0.28365711	-0.033871	0.70223615	0.90650187
Orc4	0.42044712	0.37295373	0.40683572	-0.033882	0.64439738	0.90650187
lrgq	0.16806144	0.15184556	0.18573924	-0.0338937	0.79138428	0.90661829
Nap1l4	1.07123336	0.74481316	0.77876081	-0.0339477	0.57683077	0.90650187
Ddx56	0.33865986	0.30751118	0.34146256	-0.0339514	0.67076391	0.90650187
Anapc15	0.17748412	0.1611226	0.1951165	-0.0339939	0.78069113	0.90650187
Abcb8	0.31277378	0.28559886	0.31961271	-0.0340138	0.68193288	0.90650187
Usp34	0.63393049	0.52102004	0.55503988	-0.0340198	0.60737461	0.90650187
Eif3m	1.4818243	0.85615961	0.8902064	-0.0340468	0.56750532	0.90650187
Gskip	0.32560301	0.29643893	0.33051494	-0.034076	0.67664624	0.90650187
Arl8b	0.44042467	0.38786203	0.42201064	-0.0341486	0.64047668	0.90650187
Pfkm	0.20128741	0.1842188	0.21836989	-0.0341511	0.75655165	0.90650187
Eed	0.33229571	0.30194924	0.33614459	-0.0341954	0.67445308	0.90650187
Paf1	0.24003198	0.22072554	0.25493846	-0.0342129	0.72461393	0.90650187
Dnajc1	0.66800359	0.54191348	0.57613342	-0.0342199	0.60412955	0.90650187
Mkl1	0.69991077	0.56109894	0.59532444	-0.0342255	0.60086249	0.90650187
Ing3	0.24868225	0.22866573	0.26289528	-0.0342295	0.71864729	0.90650187
Nkiras1	0.27385945	0.25139702	0.28563636	-0.0342393	0.70294736	0.90650187
Kansl1	0.29822131	0.27280984	0.30706957	-0.0342597	0.6900514	0.90650187
Timm22	0.59770207	0.49759405	0.53190267	-0.0343086	0.61284779	0.90650187
Rnf111	0.20686603	0.18942021	0.22373106	-0.0343109	0.75230697	0.90650187
Eri1	0.26181859	0.24051644	0.27483624	-0.0343198	0.71060023	0.90650187
Rock2	0.36336837	0.32746266	0.3617834	-0.0343207	0.66339058	0.90650187
lqcc	0.19722388	0.18012045	0.21444379	-0.0343233	0.76162911	0.90650187
Pitpnb	0.63066504	0.51861349	0.55298479	-0.0343713	0.60884922	0.90650187

Tmem126b	0.32100858	0.29224815	0.32662794	-0.0343798	0.68008264	0.90650187
Tmx2	0.4995462	0.43085588	0.46523768	-0.0343818	0.62874729	0.90650187
Asb6	0.14666541	0.12966387	0.1640729	-0.034409	0.82441527	0.90933631
Apip	0.50446426	0.43428488	0.4687245	-0.0344396	0.62803056	0.90650187
Cog1	0.29842399	0.27279837	0.30724556	-0.0344472	0.69090751	0.90650187
Cstf2t	0.35472925	0.32024605	0.35473643	-0.0344904	0.66721585	0.90650187
Ap1s1	0.95100665	0.69482666	0.72933628	-0.0345096	0.58330292	0.90650187
Snrnp27	1.38007021	0.83549129	0.8700058	-0.0345145	0.56999611	0.90650187
Cse1l	0.28653019	0.26232834	0.29685195	-0.0345236	0.69742885	0.90650187
Zfp219	0.17525946	0.1583633	0.19291171	-0.0345484	0.78703056	0.90650187
Cstf1	0.14822865	0.13109832	0.1656739	-0.0345756	0.82323992	0.9092537
Ccdc43	0.27071078	0.24824588	0.28282572	-0.0345798	0.70662252	0.90650187
Ythdf1	0.19176726	0.17456326	0.2091432	-0.0345799	0.7688427	0.90650187
Hectd1	0.69455959	0.55753366	0.59214302	-0.0346094	0.60250455	0.90650187
Nr2c2	0.22448129	0.20583064	0.24044719	-0.0346165	0.7389209	0.90650187
Mycbp2	0.73411056	0.58069824	0.61531959	-0.0346213	0.59875848	0.90650187
Dazap1	1.20612841	0.78963842	0.8242714	-0.034633	0.57408686	0.90650187
Usp48	0.44073001	0.3875988	0.42224033	-0.0346415	0.64234252	0.90650187
Rc3h1	0.33726105	0.30565467	0.34029663	-0.034642	0.67456706	0.90650187
Ddb1	1.25704372	0.80453581	0.83917816	-0.0346423	0.5728051	0.90650187
Fem1a	0.24696784	0.22666491	0.26132439	-0.0346595	0.7222777	0.90650187
Fra10ac1	0.27979569	0.25624298	0.29090935	-0.0346664	0.70186188	0.90650187
Epn1	0.83281171	0.63522692	0.6699077	-0.0346808	0.59101115	0.90650187
Uckl1	0.29665569	0.27102768	0.30570887	-0.0346812	0.69298609	0.90650187
Naa10	0.61472288	0.50815328	0.54286678	-0.0347135	0.61189956	0.90650187
Nagk	0.75033918	0.58989239	0.62460656	-0.0347142	0.59757544	0.90650187
Trnau1ap	0.43684291	0.38459305	0.4193113	-0.0347182	0.64359638	0.90650187
Eef1g	3.52755051	0.73128358	0.76600381	-0.0347202	0.57984756	0.90650187
Api5	0.40891472	0.36321585	0.39793774	-0.0347219	0.65095482	0.90650187
Man2c1	0.28454546	0.26037957	0.29510494	-0.0347254	0.69955464	0.90650187

Stx3	0.23108705	0.21185148	0.24663252	-0.034781	0.73464942	0.90650187
Zfp580	0.24004403	0.22016022	0.2549496	-0.0347894	0.72795154	0.90650187
Cdc37l1	0.29239167	0.26717316	0.3019904	-0.0348172	0.69586527	0.90650187
Ppp6r3	0.23937759	0.219506	0.25433352	-0.0348275	0.72866001	0.90650187
Sepsecs	0.19852363	0.18086667	0.21570169	-0.034835	0.76360562	0.90650187
Zfand6	1.19362112	0.78567907	0.82051897	-0.0348399	0.57486113	0.90650187
Ctps2	0.37025184	0.33250655	0.36735502	-0.0348485	0.66338691	0.90650187
Cuta	1.21477145	0.7919776	0.826833	-0.0348554	0.5743288	0.90650187
Paxip1	0.155358	0.13806307	0.17293859	-0.0348755	0.81501233	0.9092537
Suz12	0.23805778	0.21823063	0.25311213	-0.0348815	0.72994647	0.90650187
Bnip3l	1.36672296	0.83212269	0.8670058	-0.0348831	0.57097796	0.90650187
Med8	0.48960898	0.42325314	0.45814215	-0.034889	0.63252464	0.90650187
Mrto4	0.50915525	0.43713724	0.47203559	-0.0348984	0.62879775	0.90650187
Ppie	0.44371449	0.3895815	0.42448183	-0.0349003	0.64263528	0.90650187
Lrfn3	0.12629451	0.10804532	0.14294754	-0.0349022	0.86113747	0.91848494
Tmem251	0.28128446	0.25732428	0.29222665	-0.0349024	0.70227857	0.90650187
Nisch	1.91498682	0.89220403	0.92711996	-0.0349159	0.56648193	0.90650187
Mrps34	0.84686034	0.64239564	0.67731907	-0.0349234	0.59065147	0.90650187
Bccip	0.80631017	0.62074844	0.65568739	-0.0349389	0.59362835	0.90650187
ltpa	0.68782566	0.55315676	0.58811813	-0.0349614	0.6042157	0.90650187
Lcmt1	0.35969766	0.32382595	0.35879661	-0.0349707	0.66760082	0.90650187
Emc3	0.6476815	0.52865005	0.56362874	-0.0349787	0.60868504	0.90650187
Vps50	0.21549492	0.19697531	0.23195961	-0.0349843	0.74872705	0.90650187
1600012H06l	0.40339646	0.35865194	0.3936446	-0.0349927	0.6536479	0.90650187
Smg1	0.25065657	0.22970367	0.26470059	-0.0349969	0.72165596	0.90650187
Etfdh	0.27276406	0.24959187	0.28465976	-0.0350679	0.70803882	0.90650187
Socs6	0.29205524	0.26661904	0.30169631	-0.0350773	0.69737883	0.90650187
Taf10	0.55022849	0.4653066	0.50041379	-0.0351072	0.62243697	0.90650187
Map2k4	0.27142898	0.24835854	0.28346776	-0.0351092	0.70905139	0.90650187
Pam16	0.89204707	0.66544571	0.70056055	-0.0351148	0.58816658	0.90650187

Brd3	0.95269871	0.69497808	0.73013223	-0.0351541	0.58474421	0.90650187
Atf7ip	0.37149281	0.33315623	0.36835516	-0.0351989	0.66451201	0.90650187
Uri1	0.43690874	0.3841244	0.419361	-0.0352366	0.64562666	0.90650187
Uck2	0.2454327	0.22467092	0.25991503	-0.0352441	0.7266851	0.90650187
Triqk	0.2713812	0.24817819	0.28342506	-0.0352469	0.70981956	0.90650187
Taf6l	0.81065337	0.62277722	0.65803978	-0.0352626	0.59414785	0.90650187
Ap3b1	0.40088619	0.35641652	0.39168397	-0.0352675	0.65552668	0.90650187
2510002D24	0.48612018	0.42035383	0.45563473	-0.0352809	0.63466489	0.90650187
Nub1	0.31261983	0.28419591	0.31948099	-0.0352851	0.68828501	0.90650187
Cpsf3	0.41764847	0.36938633	0.40468565	-0.0352993	0.65090866	0.90650187
Atg10	0.24356196	0.22288914	0.25819446	-0.0353053	0.72836944	0.90650187
Mtch2	1.30500545	0.81671925	0.85205376	-0.0353345	0.57313388	0.90650187
Hmox2	0.59807972	0.49678573	0.53214772	-0.035362	0.61616233	0.90650187
Rnf219	0.21530489	0.19641618	0.23177922	-0.035363	0.75120148	0.90650187
Dscr3	0.34486651	0.31117996	0.34661611	-0.0354361	0.67526357	0.90650187
Smc5	0.274785	0.25100664	0.28646065	-0.035454	0.70891359	0.90650187
Trp53inp2	0.24855127	0.22731977	0.26277537	-0.0354556	0.7256916	0.90650187
Cbl	0.28001288	0.25560412	0.29110165	-0.0354975	0.70612738	0.90650187
Fkbp1	0.15308804	0.13513255	0.17063194	-0.0354994	0.82248928	0.9092537
Zfyve19	0.26527051	0.24242665	0.27794662	-0.03552	0.7150242	0.90650187
Nit1	0.45749466	0.3992186	0.43474463	-0.035526	0.64180276	0.90650187
Yipf4	1.27525021	0.80872149	0.84424839	-0.0355269	0.57419949	0.90650187
Ralgapb	0.14108268	0.12280271	0.15833209	-0.0355294	0.84075959	0.91251845
Smchd1	0.4401596	0.38625416	0.42181119	-0.035557	0.64607573	0.90650187
Nfyc	0.41921869	0.37032631	0.4058928	-0.0355665	0.6515645	0.90650187
Ralbp1	1.21297048	0.79073452	0.82630134	-0.0355668	0.5758759	0.90650187
Rer1	1.31568736	0.81914617	0.85472535	-0.0355792	0.57340697	0.90650187
Slc39a10	0.27380158	0.24998939	0.28558479	-0.0355954	0.71024549	0.90650187
Dzip3	0.29445348	0.26818527	0.30379047	-0.0356052	0.69883023	0.90650187
Nt5c	0.573959	0.48070541	0.51632453	-0.0356191	0.62045814	0.90650187

Armc9	0.16453238	0.14658023	0.18220144	-0.0356212	0.80761369	0.9092537
Sugp1	0.15828891	0.14027361	0.17590815	-0.0356345	0.81609079	0.9092537
Fam193a	0.33923338	0.30629066	0.34194012	-0.0356495	0.67849096	0.90650187
Mtmr6	0.36701638	0.32907897	0.36474092	-0.035662	0.66809608	0.90650187
Dxo	0.2140365	0.19490803	0.23057427	-0.0356662	0.75416841	0.90650187
Mrpl14	1.09609061	0.75216523	0.78785753	-0.0356923	0.5798068	0.90650187
Midn	0.44261198	0.38793953	0.42365453	-0.035715	0.64608584	0.90650187
Atp2c1	0.47275555	0.41021263	0.44595349	-0.0357409	0.63918919	0.90650187
Arfgef1	0.40944056	0.36260387	0.39834564	-0.0357418	0.65501081	0.90650187
Rassf3	0.15661301	0.13845942	0.17421135	-0.0357519	0.81920366	0.9092537
Selo	0.21879758	0.1993312	0.23508869	-0.0357575	0.75053876	0.90650187
Zmat5	0.3606542	0.32381826	0.35957599	-0.0357577	0.67078779	0.90650187
Ccdc59	0.86485229	0.65091939	0.68668569	-0.0357663	0.59155668	0.90650187
Tmem63b	0.32238639	0.29200507	0.32779556	-0.0357905	0.68630204	0.90650187
Cda	0.32329415	0.29275694	0.3285639	-0.035807	0.68597846	0.90650187
R3hdm2	0.22206914	0.20233114	0.2381773	-0.0358462	0.74827541	0.90650187
Sirt3	0.21979789	0.20017132	0.23603423	-0.0358629	0.75030914	0.90650187
Txn2	0.85060214	0.64341156	0.67927813	-0.0358666	0.5927918	0.90650187
Bnip3	0.32221777	0.29175371	0.32765276	-0.035899	0.6868991	0.90650187
Tmem57	0.66015001	0.53541495	0.57132701	-0.0359121	0.61004592	0.90650187
Rufy1	0.2432626	0.22200184	0.25791881	-0.035917	0.73206863	0.90650187
Ddx10	0.24996074	0.22813783	0.26406475	-0.0359269	0.72735734	0.90650187
Med16	0.27765221	0.25306124	0.28900913	-0.0359479	0.70985421	0.90650187
Cnppd1	0.27964687	0.25473467	0.29077755	-0.0360429	0.7091997	0.90650187
Kdm4a	0.17764991	0.15922572	0.19528059	-0.0360549	0.79411911	0.90731056
Ptpn11	0.44752753	0.39127442	0.42733527	-0.0360608	0.64622336	0.90650187
Carkd	0.6815068	0.54825353	0.58431949	-0.036066	0.60810992	0.90650187
Pnn	1.24549445	0.79976627	0.83587869	-0.0361124	0.57615369	0.90650187
Brd8	0.719478	0.5706744	0.60683611	-0.0361617	0.60446301	0.90650187
Cd320	0.39286177	0.34915166	0.38538336	-0.0362317	0.662009	0.90650187

Kdm3b	0.15850623	0.13987646	0.17612795	-0.0362515	0.8199083	0.9092537
Ndufs1	0.53868131	0.45628921	0.4925452	-0.036256	0.62825631	0.90650187
Chd8	0.39032154	0.34710961	0.38337785	-0.0362682	0.66296269	0.90650187
Mrpl43	0.804675	0.61851223	0.65479962	-0.0362874	0.5973	0.90650187
C2cd5	0.21663053	0.19673767	0.2330368	-0.0362991	0.75567977	0.90650187
Med20	0.25782978	0.23490538	0.27122796	-0.0363226	0.72419567	0.90650187
Tsen2	0.19233534	0.1733674	0.20969652	-0.0363291	0.77940472	0.90650187
Commd5	0.28748155	0.26132599	0.29768808	-0.0363621	0.7064431	0.90650187
Casc3	0.32661891	0.29500385	0.33137195	-0.0363681	0.68719166	0.90650187
mt-Atp8	1.09160373	0.74988011	0.78625543	-0.0363753	0.58147625	0.90650187
Ddx27	0.32087497	0.29013371	0.32651458	-0.0363809	0.68981916	0.90650187
Mccc2	0.21057085	0.19087095	0.22727345	-0.0364025	0.76178465	0.90650187
Ogfod2	0.32882619	0.29682627	0.33323094	-0.0364047	0.68640002	0.90650187
Mecr	0.20465253	0.18519559	0.22160775	-0.0364122	0.76744346	0.90650187
Lamtor3	0.44523473	0.38919786	0.42562088	-0.036423	0.64818987	0.90650187
Ppil6	0.12318116	0.103249	0.13967507	-0.0364261	0.87684856	0.92473192
Dnttip1	0.26915358	0.24494072	0.28143199	-0.0364913	0.71783768	0.90650187
Patz1	0.1956877	0.17645942	0.21295475	-0.0364953	0.77693125	0.90650187
Lamp1	1.29191123	0.81220252	0.84871116	-0.0365086	0.57582914	0.90650187
Tiprl	0.82150245	0.62735215	0.66387744	-0.0365253	0.59661261	0.90650187
Atg2a	0.12893389	0.10917467	0.14571248	-0.0365378	0.86752085	0.92056229
Cltc	0.9022363	0.6691005	0.70566524	-0.0365647	0.59109145	0.90650187
Gpn3	0.24458485	0.22256045	0.25913566	-0.0365752	0.7348233	0.90650187
Sqstm1	1.04334139	0.7315504	0.76812873	-0.0365783	0.58382946	0.90650187
Armc1	0.63580459	0.51963372	0.55621671	-0.036583	0.61500671	0.90650187
Gpi1	1.11926211	0.75943565	0.79601867	-0.036583	0.58094395	0.90650187
Vbp1	1.12530691	0.76155305	0.79814032	-0.0365873	0.58074098	0.90650187
Tmtc4	0.18523096	0.16615265	0.20275174	-0.0365991	0.78886369	0.90650187
Tgds	0.3141339	0.28417435	0.32077546	-0.0366011	0.69401117	0.90650187
Whsc1l1	0.69109029	0.55347157	0.59007275	-0.0366012	0.6086312	0.90650187

Rcor1	0.3005373	0.27245591	0.30907839	-0.0366225	0.70081875	0.90650187
Thumpd3	0.29852848	0.27067134	0.30733628	-0.0366649	0.70206772	0.90650187
Ube2e2	0.22308138	0.20244605	0.23913069	-0.0366846	0.75237836	0.90650187
Zfp672	0.24795806	0.22553129	0.26223213	-0.0367008	0.73309063	0.90650187
Mgea5	0.36518573	0.32654958	0.36325812	-0.0367085	0.67337233	0.90650187
Fam160b2	0.18117297	0.16203998	0.19876039	-0.0367204	0.79426601	0.90731056
Trp53rka	0.28917682	0.26243435	0.29917598	-0.0367416	0.70745412	0.90650187
Ppp3r1	0.60692823	0.50112409	0.53786611	-0.036742	0.61931514	0.90650187
Lonp2	0.31509664	0.28481555	0.32159754	-0.036782	0.69443324	0.90650187
Fem1b	0.34072455	0.30639153	0.3431805	-0.036789	0.68316558	0.90650187
Zmym5	0.37875942	0.33737732	0.37418602	-0.0368087	0.6690584	0.90650187
Egln2	0.7767231	0.60262531	0.63943798	-0.0368127	0.60099953	0.90650187
Stard7	0.49068314	0.42209894	0.45891252	-0.0368136	0.63931289	0.90650187
Gfer	0.43123778	0.37823824	0.41506847	-0.0368302	0.65338351	0.90650187
Agfg1	0.23544624	0.21384794	0.25069026	-0.0368423	0.74323209	0.90650187
Ncln	0.43397327	0.38028626	0.41714196	-0.0368557	0.65275981	0.90650187
Zfp292	0.62475358	0.51238374	0.54924961	-0.0368659	0.61729765	0.90650187
Fam160b1	0.2031876	0.1833281	0.22019968	-0.0368716	0.77168261	0.90650187
Apeh	0.22515726	0.20417577	0.24108216	-0.0369064	0.75192555	0.90650187
Uhrf2	0.71148073	0.5652373	0.60215454	-0.0369172	0.60740188	0.90650187
Zfp451	0.43196298	0.37865432	0.41561869	-0.0369644	0.6537203	0.90650187
Ppp2r5a	0.20688834	0.18677983	0.22375243	-0.0369726	0.7687045	0.90650187
Akr7a5	0.78262861	0.60572067	0.64271342	-0.0369927	0.60097686	0.90650187
Ccser2	0.23233526	0.21079516	0.24779636	-0.0370012	0.74659802	0.90650187
Ccdc12	1.26366949	0.80404739	0.84105161	-0.0370042	0.57753674	0.90650187
Slc38a10	0.72788529	0.57471668	0.61172295	-0.0370063	0.60601113	0.90650187
Rpp14	0.29756881	0.26945711	0.30650275	-0.0370456	0.70447701	0.90650187
Ctcf	0.61300873	0.50462955	0.54176999	-0.0371404	0.61972691	0.90650187
Exoc6b	0.23550184	0.21359698	0.2507419	-0.0371449	0.74491482	0.90650187
Emc6	0.98116919	0.70568324	0.74282962	-0.0371464	0.58796357	0.90650187

Xpot	0.23217132	0.2104965	0.2476436	-0.0371471	0.74756634	0.90650187
Pik3c2a	0.36201629	0.32349515	0.36068451	-0.0371894	0.67665895	0.90650187
Tcerg1	0.44723527	0.38989212	0.42711695	-0.0372248	0.65078885	0.90650187
Nufip1	0.2185115	0.19757194	0.23481809	-0.0372461	0.75964118	0.90650187
Plrg1	0.25488887	0.23127634	0.26855784	-0.0372815	0.73143012	0.90650187
Fam96b	0.79020569	0.60960557	0.64689308	-0.0372875	0.60112065	0.90650187
Tmem161a	0.29438692	0.26643686	0.30373241	-0.0372956	0.70742569	0.90650187
Pten	0.3999633	0.35366502	0.39096195	-0.0372969	0.66425404	0.90650187
Nudt21	0.98178952	0.7057905	0.7430957	-0.0373052	0.58830235	0.90650187
Rragc	0.34487827	0.30931011	0.34662584	-0.0373157	0.6838842	0.90650187
Atg4d	0.24356577	0.22087697	0.25819797	-0.037321	0.73975368	0.90650187
Eif2s1	1.03438954	0.72726192	0.76461046	-0.0373485	0.58595517	0.90650187
Zpr1	0.33998245	0.30520229	0.34256345	-0.0373612	0.68610976	0.90650187
Rnf20	0.54516285	0.45951441	0.49697273	-0.0374583	0.63121713	0.90650187
Prdx1	3.17593114	0.77792519	0.81542789	-0.0375027	0.58100292	0.90650187
Uba52	2.5465781	0.85589797	0.89340132	-0.0375033	0.57402007	0.90650187
Trap1	0.34639749	0.31036847	0.34788216	-0.0375137	0.68416925	0.90650187
Tnrc18	0.36350308	0.32435122	0.3618928	-0.0375416	0.67766265	0.90650187
Urm1	0.42733809	0.37455823	0.41210306	-0.0375448	0.65726823	0.90650187
Xpo7	0.23379404	0.21160574	0.24915455	-0.0375488	0.74856304	0.90650187
Ttc9c	0.29013801	0.26246492	0.30001844	-0.0375535	0.71105166	0.90650187
2410004B18	0.47099177	0.40711259	0.44466673	-0.0375541	0.64633775	0.90650187
Caap1	0.27503592	0.24910787	0.28668398	-0.0375761	0.71994985	0.90650187
Tsr3	0.47844091	0.41247067	0.45008675	-0.0376161	0.64488318	0.90650187
Faf1	0.2305291	0.2084316	0.24611179	-0.0376802	0.75194746	0.90650187
M6pr	0.69804168	0.55653005	0.59421485	-0.0376848	0.61100449	0.90650187
Ndfip1	0.31327425	0.28234747	0.32004075	-0.0376933	0.6997174	0.90650187
Morn2	0.3837604	0.34045844	0.37817463	-0.0377162	0.67125102	0.90650187
Apopt1	0.53183452	0.45010893	0.48783914	-0.0377302	0.63451286	0.90650187
Odf2	0.41283598	0.36324263	0.40097447	-0.0377318	0.66214821	0.90650187

Tubgcp4	0.24415336	0.22098441	0.25873875	-0.0377543	0.74173027	0.90650187
Commd10	0.36989924	0.32931539	0.36707054	-0.0377552	0.67625583	0.90650187
Zdhhc6	0.32930463	0.29584064	0.33363334	-0.0377927	0.69272211	0.90650187
Gps1	0.97788507	0.70360513	0.74141838	-0.0378133	0.58968369	0.90650187
Al314180	0.27112993	0.24536822	0.28320048	-0.0378323	0.7237041	0.90650187
Mrpl22	0.51690215	0.4396388	0.47747242	-0.0378336	0.63767753	0.90650187
Rab39b	0.1117432	0.08967713	0.12755031	-0.0378732	0.90658622	0.93793079
Mrpl40	0.62140253	0.50923799	0.54712369	-0.0378857	0.62089679	0.90650187
Nsmce1	0.8559644	0.64417873	0.68207559	-0.0378969	0.59754693	0.90650187
Mis12	0.24858568	0.2248769	0.26280687	-0.03793	0.73943951	0.90650187
Cyb5b	0.40962831	0.36053995	0.39849122	-0.0379513	0.66399392	0.90650187
Zc3h7b	0.23993804	0.21689714	0.25485165	-0.0379545	0.74603833	0.90650187
Btbd9	0.28280639	0.25561382	0.29357119	-0.0379574	0.71728533	0.90650187
Uso1	0.6595062	0.53296566	0.57093152	-0.0379659	0.61624151	0.90650187
Mrpl21	0.86237141	0.64743514	0.68540274	-0.0379676	0.5972605	0.90650187
Rab28	0.73429938	0.57745997	0.61542839	-0.0379684	0.60806087	0.90650187
Bak1	0.39734473	0.35090792	0.38890976	-0.0380018	0.66799989	0.90650187
Zmiz1	0.50501281	0.43109544	0.46911243	-0.038017	0.64067854	0.90650187
Zbtb45	0.19592464	0.17514959	0.21318459	-0.038035	0.78615652	0.90650187
Acaa1a	0.99806086	0.71187037	0.74992257	-0.0380522	0.58923467	0.90650187
Ammecr1l	0.30326823	0.27336952	0.31144095	-0.0380714	0.70658781	0.90650187
Rsbnl1	0.49383568	0.42308147	0.46116901	-0.0380875	0.64324969	0.90650187
Micu1	0.42351344	0.37108722	0.40918389	-0.0380967	0.66052778	0.90650187
Yipf6	0.33110645	0.29702006	0.33514703	-0.038127	0.69348067	0.90650187
Hras	0.26389483	0.23853582	0.27670841	-0.0381726	0.73015504	0.90650187
Polr3h	0.22875001	0.20625729	0.24444926	-0.038192	0.75633677	0.90650187
Arih1	0.23937969	0.21611544	0.25433545	-0.03822	0.74795213	0.90650187
Phf2	0.18361855	0.16292025	0.20116796	-0.0382477	0.80101029	0.90815573
Glmp	0.85902082	0.64541381	0.68366486	-0.0382511	0.59821584	0.90650187
Ccdc71	0.2268101	0.20431135	0.24263281	-0.0383215	0.75870398	0.90650187

Mical3	0.17346022	0.15278236	0.19112448	-0.0383421	0.81376278	0.9092537
Wdr34	0.27608732	0.24925474	0.28761916	-0.0383644	0.72340352	0.90650187
Gpatch8	0.57083078	0.47586746	0.5142472	-0.0383797	0.62997546	0.90650187
Ppox	0.14037029	0.11921025	0.15759691	-0.0383867	0.86055988	0.91847356
Cbx8	0.14902894	0.12808463	0.16649243	-0.0384078	0.84744763	0.9143112
Zmynd8	0.66134582	0.53360702	0.57206101	-0.038454	0.61746665	0.90650187
Nudt8	0.19672714	0.17547669	0.21396257	-0.0384859	0.7880404	0.90650187
Higd2a	1.28626183	0.80864209	0.84720779	-0.0385657	0.58018555	0.90650187
Gns	0.33323925	0.29834411	0.33693519	-0.0385911	0.69468708	0.90650187
Mff	0.99572434	0.71033975	0.74895761	-0.0386179	0.59065299	0.90650187
Cul7	0.27989212	0.25233365	0.29099474	-0.0386611	0.72261784	0.90650187
Chkb	0.43810985	0.38158024	0.42026717	-0.0386869	0.65881537	0.90650187
Rnf139	0.16552351	0.14450716	0.18319644	-0.0386893	0.82610079	0.90947782
Mdh2	2.12719893	0.88501804	0.92372038	-0.0387023	0.57388093	0.90650187
Elp3	0.31976904	0.2868428	0.32557574	-0.0387329	0.7015566	0.90650187
Ep300	0.28891546	0.2601729	0.29894676	-0.0387739	0.71789586	0.90650187
Zfp942	0.20515596	0.18328793	0.22209112	-0.0388032	0.78133946	0.90650187
Rmdn3	0.28387576	0.25570214	0.29451463	-0.0388125	0.72101602	0.90650187
Ufd1l	0.399389	0.35168496	0.39051231	-0.0388273	0.67075972	0.90650187
Gfpt1	0.71495639	0.56536467	0.60419347	-0.0388288	0.61244572	0.90650187
Thap4	0.24189361	0.21782105	0.25665713	-0.0388361	0.74942682	0.90650187
Ccdc115	0.47885508	0.41154181	0.45038699	-0.0388452	0.64929829	0.90650187
Mtf2	0.47647118	0.40980209	0.44865725	-0.0388552	0.6498827	0.90650187
Cant1	0.33345417	0.29824313	0.33711517	-0.038872	0.69588917	0.90650187
Bhlhb9	0.53958551	0.45426715	0.4931645	-0.0388974	0.63707012	0.90650187
Dhx36	0.34145084	0.30488444	0.34378397	-0.0388995	0.69252671	0.90650187
Scaf11	1.13287886	0.7618759	0.80077951	-0.0389036	0.58549727	0.90650187
Commd1	1.36059377	0.82668296	0.86559479	-0.0389118	0.57919995	0.90650187
Prrc2a	0.61021655	0.5010578	0.5399799	-0.0389221	0.62568343	0.90650187
Ctbp1	1.03910175	0.72752332	0.76647304	-0.0389497	0.58936489	0.90650187

Arid2	0.28699447	0.2582946	0.2972601	-0.0389655	0.71996574	0.90650187
Pank3	0.23746787	0.21359808	0.25256566	-0.0389676	0.75361155	0.90650187
Timm50	0.57649934	0.47902906	0.5180072	-0.0389781	0.63100472	0.90650187
Tmem184b	0.38214753	0.33786707	0.37689041	-0.0390233	0.67734932	0.90650187
Ttc13	0.25297146	0.22778775	0.26681249	-0.0390247	0.74222714	0.90650187
Phc1	0.16560939	0.1442572	0.18328261	-0.0390254	0.82807353	0.90957047
Snrpd1	1.5256749	0.85855863	0.89760435	-0.0390457	0.57667068	0.90650187
Stx5a	0.88814612	0.65950198	0.69859356	-0.0390916	0.59822881	0.90650187
Rpgr	0.20453626	0.1823576	0.22149608	-0.0391385	0.78393183	0.90650187
Elp6	0.17512469	0.153639	0.19277797	-0.039139	0.81662408	0.9092537
Acp2	0.20750229	0.18516823	0.22434044	-0.0391722	0.78119929	0.90650187
Ppcs	0.25181507	0.22656259	0.26575815	-0.0391956	0.74397982	0.90650187
Nup35	0.23428792	0.21040093	0.2496139	-0.039213	0.75753029	0.90650187
Atpaf2	0.22702331	0.20353483	0.24283264	-0.0392978	0.76406388	0.90650187
Psmb5	1.98810026	0.88789271	0.92720125	-0.0393085	0.57474617	0.90650187
Wdr46	0.21909601	0.19602572	0.23537088	-0.0393452	0.771301	0.90650187
Txnrd1	0.60003777	0.49406854	0.53341696	-0.0393484	0.62852066	0.90650187
Thumpd1	0.44434629	0.38560592	0.42495553	-0.0393496	0.65970192	0.90650187
Eapp	0.60779833	0.49907463	0.53842602	-0.0393514	0.62737599	0.90650187
Polr2h	0.56040855	0.46790742	0.50728167	-0.0393742	0.63497521	0.90650187
Mrpl3	0.37999135	0.33576096	0.3751704	-0.0394094	0.67974458	0.90650187
Fbxw5	0.40642379	0.35658467	0.39600268	-0.039418	0.67094157	0.90650187
Dhodh	0.16170705	0.13991404	0.17935903	-0.039445	0.83588529	0.91079271
Abhd17b	0.16579035	0.14400168	0.18346413	-0.0394625	0.83052282	0.9098597
Samd14	0.36523047	0.32379081	0.36329439	-0.0395036	0.68559493	0.90650187
Trappc5	0.51135785	0.43407508	0.47358534	-0.0395103	0.64463947	0.90650187
Polr2b	0.34127504	0.30410592	0.34363794	-0.039532	0.69547204	0.90650187
Kif2a	0.20982874	0.186935	0.22656502	-0.03963	0.78160086	0.90650187
Rcan1	0.16804334	0.14605329	0.18572113	-0.0396678	0.82882415	0.90967191
Mfn2	0.17772503	0.15566863	0.19535493	-0.0396863	0.81676985	0.9092537

Fh1	0.70419806	0.55817672	0.59786307	-0.0396864	0.61604159	0.90650187
Thap7	0.34331646	0.30563771	0.34533207	-0.0396944	0.69532531	0.90650187
Dcakd	0.67905403	0.5431344	0.58283951	-0.0397051	0.61899812	0.90650187
Clpb	0.26359268	0.23671205	0.27643621	-0.0397242	0.73853585	0.90650187
Pex11b	0.35792993	0.3176261	0.35735433	-0.0397282	0.68942896	0.90650187
Ppme1	0.36575826	0.32398923	0.36372215	-0.0397329	0.68638771	0.90650187
Mrps16	0.99131378	0.7073875	0.74713009	-0.0397426	0.59346914	0.90650187
Pigt	0.8117817	0.61888728	0.65864959	-0.0397623	0.60579611	0.90650187
Ttc14	0.94109133	0.68484463	0.72465028	-0.0398057	0.5964624	0.90650187
B3galt6	0.31121981	0.27847235	0.31828224	-0.0398099	0.71090979	0.90650187
Pes1	0.33558932	0.29909105	0.33890105	-0.03981	0.69924007	0.90650187
Xpo6	0.2981989	0.26722803	0.30705011	-0.0398221	0.71788216	0.90650187
Pi4ka	0.19981889	0.17711185	0.21695317	-0.0398413	0.792862	0.90693771
Rsf1	0.721481	0.56814919	0.60800348	-0.0398543	0.61462999	0.90650187
Brox	0.37149102	0.32849498	0.36835371	-0.0398587	0.68475923	0.90650187
Coa7	0.23742517	0.21265036	0.25252609	-0.0398757	0.75865854	0.90650187
D2Wsu81e	0.37105624	0.32810849	0.3680035	-0.039895	0.68507755	0.90650187
Atp5g3	1.83392795	0.885534	0.92543106	-0.0398971	0.57599509	0.90650187
Srf	0.21936279	0.19572197	0.23562308	-0.0399011	0.77422456	0.90650187
Tmem106c	0.47347982	0.40656731	0.44648127	-0.039914	0.65447206	0.90650187
Ruvbl1	0.55033135	0.4605606	0.5004835	-0.0399229	0.6385629	0.90650187
Nup88	0.34990981	0.31084707	0.35077863	-0.0399316	0.6935977	0.90650187
Ap1g1	0.2845873	0.25517809	0.2951418	-0.0399637	0.72639892	0.90650187
Gtpbp6	0.24023037	0.21514336	0.25512179	-0.0399784	0.75698631	0.90650187
Gm10020	0.69863608	0.55458341	0.5945679	-0.0399845	0.61751683	0.90650187
Sdf4	1.4248695	0.83946752	0.87948913	-0.0400216	0.58015876	0.90650187
Nsfl1c	0.80766552	0.61638157	0.65642235	-0.0400408	0.60687191	0.90650187
Trim37	0.28456725	0.25506249	0.29512414	-0.0400616	0.72690169	0.90650187
Pspc1	0.29629351	0.26532044	0.30539367	-0.0400732	0.72016939	0.90650187
Qtrt1	0.31513048	0.28154259	0.32162642	-0.0400838	0.71022749	0.90650187

Psmg3	0.41955748	0.36605997	0.40615302	-0.040093	0.66961279	0.90650187
Surf1	0.43228783	0.37576305	0.41586504	-0.040102	0.66592602	0.90650187
Med1	0.3857482	0.3396171	0.37975457	-0.0401375	0.68077616	0.90650187
Abhd16a	0.70888691	0.56047485	0.60062907	-0.0401542	0.61684492	0.90650187
Ppp2ca	0.61730269	0.50435666	0.54451426	-0.0401576	0.62849154	0.90650187
Unc50	0.80821846	0.61655647	0.65672197	-0.0401655	0.60714896	0.90650187
Polr2d	0.54092132	0.4539001	0.4940785	-0.0401784	0.64114316	0.90650187
Parl	0.52034267	0.4396946	0.47987397	-0.0401794	0.6451378	0.90650187
Efcab14	0.44021001	0.38160942	0.42184912	-0.0402397	0.66423942	0.90650187
Atp13a1	0.3077275	0.27504351	0.31528446	-0.0402409	0.71478202	0.90650187
Scamp1	0.30519261	0.27285331	0.31310176	-0.0402484	0.71615999	0.90650187
Mrpl49	0.6228545	0.50777785	0.54804559	-0.0402677	0.62803054	0.90650187
Znhit2	0.3708734	0.32757944	0.36785618	-0.0402767	0.68678275	0.90650187
Prr12	0.25311246	0.22665503	0.26694095	-0.0402859	0.74886345	0.90650187
Ash2l	0.661974	0.53214563	0.57244629	-0.0403007	0.62284985	0.90650187
Zfp318	0.21030407	0.18670119	0.22701886	-0.0403177	0.78509664	0.90650187
Lcor	0.24088743	0.21540973	0.25572865	-0.0403189	0.75831953	0.90650187
Trip4	0.30502839	0.27263721	0.31296017	-0.040323	0.71660603	0.90650187
Baiap2l1	0.22320517	0.19891672	0.2392472	-0.0403305	0.77319388	0.90650187
Tbc1d9b	0.32844048	0.29251441	0.3329064	-0.040392	0.70519161	0.90650187
Ntmt1	0.47165462	0.40475732	0.44515056	-0.0403932	0.65667193	0.90650187
Trp53bp1	0.33920704	0.30149777	0.3419182	-0.0404204	0.70039771	0.90650187
Atic	0.44217952	0.38289659	0.42332978	-0.0404332	0.66443947	0.90650187
Exoc5	0.42327312	0.36856505	0.40900011	-0.0404351	0.66985284	0.90650187
Gtf3c1	0.30390727	0.27154231	0.31199283	-0.0404505	0.71782156	0.90650187
Arhgap5	0.821913	0.62360018	0.6640973	-0.0404971	0.60684148	0.90650187
Echs1	0.95943651	0.69272569	0.73329099	-0.0405653	0.59713132	0.90650187
Shkbp1	0.24074331	0.21500962	0.25559557	-0.0405859	0.75987999	0.90650187
Gm6563	0.40408076	0.35358268	0.39417822	-0.0405955	0.67646742	0.90650187
Fam160a2	0.1802657	0.1572657	0.19786555	-0.0405999	0.81916566	0.9092537

Tmem218	0.216192	0.19202109	0.23262099	-0.0405999	0.78109664	0.90650187
Eprs	1.18885279	0.77841072	0.81903011	-0.0406194	0.5872504	0.90650187
Rprd1b	0.23211387	0.20694941	0.24759005	-0.0406406	0.76722044	0.90650187
Gpx4	2.44512054	0.86157097	0.90223012	-0.0406592	0.57939344	0.90650187
Phospho2	0.21573605	0.19151459	0.23218844	-0.0406739	0.78194054	0.90650187
Apoa1bp	1.08926579	0.7447295	0.78540443	-0.0406749	0.591044	0.90650187
Mysm1	0.41109023	0.35894212	0.39962394	-0.0406818	0.67456862	0.90650187
Rps28	5.42377901	0.55804513	0.59874364	-0.0406985	0.61874335	0.90650187
Tomm5	1.07857005	0.74077126	0.78147862	-0.0407074	0.59156495	0.90650187
Wdr33	0.39387482	0.34543919	0.38618177	-0.0407426	0.68047095	0.90650187
Ift27	0.53011023	0.44589146	0.48664934	-0.0407579	0.64517591	0.90650187
Lrrc14	0.21665492	0.19224329	0.23305992	-0.0408166	0.78188501	0.90650187
Xrcc6	0.29149041	0.26033926	0.30120234	-0.0408631	0.7267856	0.90650187
Dnlz	0.6309911	0.51231756	0.55319026	-0.0408727	0.62872017	0.90650187
Ranbp2	0.26728576	0.23888358	0.27975725	-0.0408737	0.74199923	0.90650187
Pmm2	0.31280869	0.27875711	0.31964257	-0.0408855	0.71519882	0.90650187
Cdk13	0.25900505	0.23140291	0.2722927	-0.0408898	0.74780232	0.90650187
Tmem55b	0.50950207	0.43138879	0.47227982	-0.040891	0.6498481	0.90650187
Fam118b	0.22894118	0.20370132	0.24462805	-0.0409267	0.77148865	0.90650187
1110001J03F	0.82382787	0.62417959	0.6651218	-0.0409422	0.60782458	0.90650187
Cox7b	2.19009975	0.87996812	0.92093332	-0.0409652	0.57837991	0.90650187
Vrk3	0.3736546	0.32903196	0.37009421	-0.0410622	0.68907973	0.90650187
Arcn1	0.73868499	0.5768872	0.61795071	-0.0410635	0.61616173	0.90650187
Zhx1	0.27774763	0.24801731	0.28909381	-0.0410765	0.73619658	0.90650187
Kbtbd2	0.25538045	0.22789042	0.26900473	-0.0411143	0.75157687	0.90650187
Rbck1	0.4692982	0.40229335	0.44342917	-0.0411358	0.65997975	0.90650187
Cds2	0.27832505	0.24846828	0.28960607	-0.0411378	0.7361389	0.90650187
Ppp2r2d	0.18718301	0.16352088	0.20466537	-0.0411445	0.81426244	0.9092537
Wipi2	0.50212561	0.4259134	0.46706842	-0.041155	0.65236661	0.90650187
Rps13	4.45035653	0.57264283	0.61382514	-0.0411823	0.61724817	0.90650187

Golgb1	1.22227137	0.7878381	0.82906162	-0.0412235	0.58747299	0.90650187
Ykt6	0.43214005	0.37445093	0.41575298	-0.0413021	0.67062472	0.90650187
Pet100	0.99944903	0.70918219	0.75049482	-0.0413126	0.59666266	0.90650187
Ndufab1	1.73022525	0.87898425	0.920318	-0.0413337	0.57912797	0.90650187
Appl2	0.34108663	0.30214403	0.34348141	-0.0413374	0.70368229	0.90650187
Phf20l1	0.55391359	0.46156287	0.50290719	-0.0413443	0.64262197	0.90650187
Cdc123	0.73278293	0.57319411	0.6145541	-0.04136	0.61760357	0.90650187
Zfp397	0.31777143	0.28249534	0.32387724	-0.0413819	0.71498815	0.90650187
Rbmxl1	0.86472671	0.64522223	0.68662091	-0.0413987	0.60566594	0.90650187
Taf12	0.31906798	0.28357086	0.32498005	-0.0414092	0.71446023	0.90650187
Irak1	0.39753923	0.34762083	0.38906237	-0.0414415	0.6820825	0.90650187
Epc1	0.31454657	0.27965495	0.32112794	-0.041473	0.71706366	0.90650187
Ppp1r12a	0.70627293	0.55758968	0.5990884	-0.0414987	0.62093832	0.90650187
Ap2a1	0.53216353	0.44656675	0.48806595	-0.0414992	0.64728483	0.90650187
Klhl9	0.74904304	0.58233726	0.62386951	-0.0415323	0.61636701	0.90650187
Fbxw9	0.28985966	0.25823719	0.29977456	-0.0415374	0.73105016	0.90650187
Wrnip1	0.32065389	0.28476565	0.32632699	-0.0415613	0.71437005	0.90650187
Gnpda2	0.36004787	0.31749982	0.35908205	-0.0415822	0.69665629	0.90650187
Ttc30b	0.15555014	0.13155065	0.17313356	-0.0415829	0.85718064	0.9170242
Pcbp1	1.25131485	0.79593242	0.8375469	-0.0416145	0.58740904	0.90650187
Wdr83os	1.00474273	0.71103902	0.75266999	-0.041631	0.59711675	0.90650187
Nudt14	0.4818855	0.4109191	0.45258026	-0.0416612	0.65881433	0.90650187
Wdr12	0.31972492	0.28386169	0.32553826	-0.0416766	0.71537025	0.90650187
Sirt2	0.56414844	0.46810646	0.509789	-0.0416825	0.64188125	0.90650187
Nol4l	0.24911711	0.2215953	0.26329323	-0.0416979	0.75930034	0.90650187
Srp19	1.11423392	0.75256084	0.79425925	-0.0416984	0.59227196	0.90650187
Kpna3	0.32336096	0.28691686	0.32862043	-0.0417036	0.71368063	0.90650187
Tsc1	0.30044088	0.26726663	0.30899485	-0.0417282	0.72586589	0.90650187
Gpr89	0.23052734	0.20433246	0.24611015	-0.0417777	0.77477065	0.90650187
Smpd2	0.44897181	0.38662075	0.42841328	-0.0417925	0.66773862	0.90650187

Zfp704	0.32589216	0.28896296	0.33075896	-0.041796	0.71286169	0.90650187
Gm9774	0.22545264	0.19953074	0.24135948	-0.0418287	0.77948189	0.90650187
Dpf2	0.7160224	0.56297458	0.6048176	-0.041843	0.62079135	0.90650187
Fbxl6	0.38571892	0.33788602	0.37973133	-0.0418453	0.68789524	0.90650187
Cog6	0.32342194	0.28680298	0.32867201	-0.041869	0.71441154	0.90650187
Dr1	0.35760383	0.31521505	0.357088	-0.0418729	0.69892176	0.90650187
Sec22b	1.0325311	0.7219801	0.76387351	-0.0418934	0.59631183	0.90650187
Nipsnap3b	0.59154203	0.48594632	0.52789367	-0.0419473	0.63805159	0.90650187
1110065P20I	0.70250316	0.55490924	0.59686057	-0.0419513	0.62265708	0.90650187
Xpo1	0.51186965	0.43195703	0.47394498	-0.041988	0.65315309	0.90650187
Ube2d1	0.35524914	0.31316825	0.35516223	-0.041994	0.70043202	0.90650187
Eef1e1	0.4958987	0.42063434	0.46264138	-0.042007	0.65676618	0.90650187
Smpd1	0.44161035	0.38089405	0.42290217	-0.0420081	0.67060892	0.90650187
Ireb2	0.31359766	0.27830087	0.32031723	-0.0420164	0.7200988	0.90650187
Elovl5	0.27500937	0.24463082	0.28666035	-0.0420295	0.74273664	0.90650187
Hif1a	0.56266298	0.46669552	0.50879411	-0.0420986	0.64350296	0.90650187
Ncoa5	0.29827099	0.26500309	0.30711271	-0.0421096	0.72892247	0.90650187
Stx18	0.36062219	0.31743373	0.35954991	-0.0421162	0.698726	0.90650187
Minpp1	0.50162381	0.42458743	0.46671261	-0.0421252	0.65588475	0.90650187
Rae1	0.59822543	0.49010243	0.53224225	-0.0421398	0.63757225	0.90650187
Copa	1.06759047	0.73526181	0.77740374	-0.0421419	0.59521853	0.90650187
Coq4	0.25954773	0.23062948	0.27278389	-0.0421544	0.75395789	0.90650187
Map4k4	0.37069415	0.32554329	0.36771173	-0.0421684	0.69490882	0.90650187
Psme2	1.40525934	0.83325233	0.87545737	-0.042205	0.58485079	0.90650187
Myg1	0.47884083	0.4081704	0.45037666	-0.0422063	0.66151896	0.90650187
Slk	0.19809457	0.17307944	0.21528665	-0.0422072	0.80827754	0.9092537
Keap1	0.58212273	0.47950378	0.52171852	-0.0422147	0.64046996	0.90650187
Galnt11	0.45440738	0.3902381	0.43245711	-0.042219	0.66785807	0.90650187
Map2k7	0.27728777	0.24643288	0.28868563	-0.0422527	0.74237024	0.90650187
Mrpl37	0.25828513	0.22934004	0.27164064	-0.0423006	0.75561977	0.90650187

Klc1	0.54100588	0.45181059	0.49413632	-0.0423257	0.64832147	0.90650187
Pias4	0.35508785	0.3126899	0.35503016	-0.0423403	0.70200469	0.90650187
2300009A05	0.44844676	0.38566364	0.42802155	-0.0423579	0.67001207	0.90650187
H13	1.00755224	0.71144442	0.75381985	-0.0423754	0.59867016	0.90650187
Trmt2a	0.28711861	0.25495406	0.2973692	-0.0424151	0.73699135	0.90650187
Mycbp	0.69660448	0.55092336	0.59336045	-0.0424371	0.62473835	0.90650187
Ube2z	0.22748852	0.20082461	0.24326848	-0.0424439	0.78101918	0.90650187
Fytd1	0.83229974	0.62717866	0.66963587	-0.0424572	0.61097713	0.90650187
Kctd5	0.36454329	0.32027471	0.3627371	-0.0424624	0.69861019	0.90650187
Pin1	1.17888154	0.77338403	0.8158521	-0.0424681	0.59150185	0.90650187
Maz	0.53697116	0.44886875	0.49137249	-0.0425037	0.64971279	0.90650187
Nfe2l1	0.67493093	0.53781995	0.58034472	-0.0425248	0.62769396	0.90650187
Ahdc1	0.33664582	0.29724936	0.33978331	-0.0425339	0.71106523	0.90650187
Akap8l	0.50767158	0.42843409	0.4709899	-0.0425558	0.65603956	0.90650187
Usp33	0.32685241	0.28893439	0.3315688	-0.0426344	0.71621483	0.90650187
Lrrc16a	0.23450721	0.2071831	0.24981778	-0.0426347	0.77598428	0.90650187
Naa25	0.22420818	0.19749912	0.2401905	-0.0426914	0.78528301	0.90650187
Fnta	0.95282208	0.68745034	0.73019022	-0.0427399	0.60265009	0.90650187
Os9	1.04611416	0.72644435	0.76920155	-0.0427572	0.5975906	0.90650187
Bckdk	0.47429578	0.40429234	0.44707542	-0.0427831	0.66473629	0.90650187
Ube2w	0.83500757	0.62822619	0.67107233	-0.0428461	0.61173344	0.90650187
Mynn	0.22110187	0.19439268	0.23726525	-0.0428726	0.78909857	0.90650187
Prdx6	1.1305123	0.75708139	0.79995685	-0.0428755	0.59416498	0.90650187
Mta3	0.32417168	0.28641461	0.32930597	-0.0428914	0.7187156	0.90650187
Ugp2	0.66933796	0.53404887	0.57694655	-0.0428977	0.6295055	0.90650187
Kat7	0.25303299	0.22393376	0.26686855	-0.0429348	0.76276509	0.90650187
Zwint	0.94610205	0.68403246	0.72702303	-0.0429906	0.60367813	0.90650187
Fkrp	0.23772447	0.20980393	0.25280341	-0.0429995	0.77522209	0.90650187
Sfpq	1.16358886	0.76792254	0.81093034	-0.0430078	0.59319571	0.90650187
Zfp512b	0.2052847	0.17919398	0.22221468	-0.0430207	0.80528959	0.90897803

Atxn2l	0.49108913	0.41615533	0.45920348	-0.0430482	0.66157104	0.90650187
Otud4	0.17944636	0.15398578	0.19705668	-0.0430709	0.8343954	0.91062493
Tmem261	0.66140642	0.52898734	0.57209819	-0.0431108	0.63118808	0.90650187
Vamp4	0.46751045	0.39900167	0.44212003	-0.0431184	0.66769742	0.90650187
Lage3	0.83146067	0.62606834	0.66919014	-0.0431218	0.6127407	0.90650187
Dnajc13	0.24495409	0.21633341	0.25947517	-0.0431418	0.77009227	0.90650187
Polr2a	0.30352753	0.26852226	0.31166493	-0.0431427	0.73085125	0.90650187
Trmt112	1.20551558	0.78093014	0.8240888	-0.0431587	0.59205037	0.90650187
Pgam5	0.28123892	0.24902414	0.29218639	-0.0431623	0.74431704	0.90650187
Chtf8	0.61772138	0.50158963	0.54478117	-0.0431915	0.63775269	0.90650187
Larp1	0.38895106	0.33910218	0.38229379	-0.0431916	0.69225952	0.90650187
Specc1l	0.24519219	0.21647973	0.25969402	-0.0432143	0.77028006	0.90650187
Chd3	1.00861616	0.7110255	0.75425447	-0.043229	0.60055862	0.90650187
Ccdc117	0.1719193	0.14631559	0.18959072	-0.0432751	0.84488372	0.91325304
Wbscr22	0.43555792	0.37505545	0.41834064	-0.0432852	0.67723519	0.90650187
Smim10l1	0.95976734	0.69015663	0.73344565	-0.043289	0.6034881	0.90650187
Tra2b	1.7519202	0.87842458	0.92171471	-0.0432901	0.58269647	0.90650187
Ylpm1	0.40024087	0.34784404	0.39117917	-0.0433351	0.6888127	0.90650187
Ccar1	0.82717146	0.62354063	0.66690699	-0.0433664	0.61374008	0.90650187
Tgfbr1	0.35909454	0.31493196	0.35830482	-0.0433729	0.7047603	0.90650187
Chmp6	0.43016792	0.37080128	0.41425603	-0.0434548	0.67951268	0.90650187
Coa6	0.41934367	0.36251231	0.40598881	-0.0434765	0.68298802	0.90650187
Sumf1	0.36515581	0.31974427	0.36323386	-0.0434896	0.70272968	0.90650187
Gtf2a1	0.17997145	0.15407352	0.19757515	-0.0435016	0.83616632	0.91079271
Agap1	0.19864372	0.17231172	0.21581779	-0.0435061	0.81492081	0.9092537
Tmx3	0.35906511	0.3147587	0.35828081	-0.0435221	0.70541165	0.90650187
Tmem33	0.81199352	0.61523229	0.658764	-0.0435317	0.61553304	0.90650187
Usp53	0.22624841	0.19855154	0.24210615	-0.0435546	0.78807487	0.90650187
Pfdn1	1.54750971	0.85753366	0.90110215	-0.0435685	0.58509531	0.90650187
Tial1	0.5923249	0.48482028	0.5284046	-0.0435843	0.64307347	0.90650187

Zcchc14	0.20688667	0.18015546	0.22375083	-0.0435954	0.8068035	0.9092537
Atp6v1a	0.51072942	0.42954326	0.47314349	-0.0436002	0.65897346	0.90650187
Chchd5	0.33880272	0.29797363	0.34158154	-0.0436079	0.71482872	0.90650187
Srpr	1.14233916	0.7604245	0.8040483	-0.0436238	0.59529888	0.90650187
Idnk	0.33132792	0.29169862	0.33533289	-0.0436343	0.71852735	0.90650187
Snrnp200	0.28678253	0.25342298	0.29707381	-0.0436508	0.74319259	0.90650187
Ppp4c	1.11194468	0.74974137	0.79345823	-0.0437169	0.59674772	0.90650187
Srx27	0.30288173	0.26733283	0.31110699	-0.0437742	0.73418407	0.90650187
Med30	0.49070942	0.41515199	0.45893136	-0.0437794	0.66424802	0.90650187
Hnrnp11	0.67720402	0.53793684	0.58172119	-0.0437843	0.63103921	0.90650187
Aimp2	0.44013666	0.37793965	0.42179393	-0.0438543	0.6780359	0.90650187
Nap111	1.88985593	0.88302421	0.92688461	-0.0438604	0.58330944	0.90650187
Dido1	0.37815301	0.32979454	0.37370103	-0.0439065	0.69927573	0.90650187
Psm14	0.68909777	0.54497201	0.58888042	-0.0439084	0.62985738	0.90650187
Asna1	0.71024357	0.55751705	0.60142735	-0.0439103	0.6272484	0.90650187
Plxnb2	0.51966816	0.43545319	0.47940385	-0.0439507	0.65820277	0.90650187
Cnot11	0.2857821	0.25223286	0.29619388	-0.043961	0.74531396	0.90650187
Nup93	0.20008525	0.17324631	0.2172103	-0.043964	0.81588757	0.9092537
Ubl7	0.51923807	0.43510956	0.47910393	-0.0439944	0.65844533	0.90650187
Rps3a1	4.7796605	0.52536258	0.56935975	-0.0439972	0.63440138	0.90650187
Polr3f	0.2061535	0.17900051	0.22304812	-0.0440476	0.81000638	0.9092537
Abi2	0.27420275	0.24184823	0.28594219	-0.044094	0.75349794	0.90650187
Katnbl1	0.27933848	0.24640676	0.29050439	-0.0440976	0.75010769	0.90650187
Rnf11	0.38674845	0.33644206	0.38054843	-0.0441064	0.69681267	0.90650187
Ptpa	0.32987081	0.28994727	0.33410928	-0.044162	0.72160392	0.90650187
Srp68	0.77605194	0.59486778	0.63906473	-0.044197	0.62075064	0.90650187
Nf2	0.19869947	0.17162866	0.21587169	-0.044243	0.81888647	0.9092537
Ube2q1	0.28208802	0.2486925	0.29293681	-0.0442443	0.74903345	0.90650187
Eif4e2	1.05414143	0.72795184	0.77229064	-0.0443388	0.60072782	0.90650187
Sra1	1.1002447	0.7449927	0.78933407	-0.0443414	0.59860382	0.90650187

Gm14698	0.33243179	0.29189366	0.33625867	-0.044365	0.72124383	0.90650187
Sec22a	0.32786049	0.28801889	0.33241813	-0.0443992	0.72366867	0.90650187
Tpr	1.35145977	0.8190494	0.86347126	-0.0444219	0.59045176	0.90650187
N4bp2	0.36101377	0.31543473	0.35986877	-0.044434	0.70846705	0.90650187
Atp5f1	2.31233332	0.86868829	0.91314686	-0.0444586	0.58567921	0.90650187
Tmx4	0.34438455	0.30172903	0.34621707	-0.044488	0.7160847	0.90650187
Ppp1r7	0.38147958	0.33178728	0.37635797	-0.0445707	0.70072149	0.90650187
Sfswap	0.445668	0.38135762	0.42594514	-0.0445875	0.67916379	0.90650187
Ccdc174	0.49059344	0.4142502	0.45884822	-0.044598	0.6671632	0.90650187
Ldb1	0.41523277	0.35813294	0.40282493	-0.044692	0.68907291	0.90650187
Idh3g	1.10041224	0.74462001	0.78939348	-0.0447735	0.59953727	0.90650187
Tor1aip1	0.41672118	0.35919292	0.40397191	-0.044779	0.68891642	0.90650187
lpo5	0.42094443	0.36243042	0.40721702	-0.0447866	0.68755696	0.90650187
Caml	0.52983462	0.44165664	0.48645899	-0.0448023	0.65888997	0.90650187
Scap	0.23001953	0.20069175	0.24563593	-0.0449442	0.79201014	0.90681274
Samd4b	0.30099769	0.2645188	0.30947715	-0.0449583	0.74080263	0.90650187
Gmcl1	0.39357084	0.34090945	0.38594228	-0.0450328	0.69802404	0.90650187
Ubac1	0.42167878	0.36274165	0.40777975	-0.0450381	0.68828835	0.90650187
Gm26825	0.28338421	0.24903883	0.29408109	-0.0450423	0.752033	0.90650187
Hcfc1	0.33472622	0.29312631	0.33817961	-0.0450533	0.72316074	0.90650187
Jkamp	0.64514437	0.51693423	0.56205215	-0.0451179	0.6394034	0.90650187
Pdha1	0.67515185	0.53530972	0.58047861	-0.0451689	0.63530114	0.90650187
Trim32	0.3095457	0.27164015	0.31684653	-0.0452064	0.73705132	0.90650187
Rmnd5b	0.22811991	0.19855237	0.24385968	-0.0453073	0.79558674	0.9075779
Phkg2	0.29562226	0.25943772	0.30480916	-0.0453714	0.74593016	0.90650187
Anapc11	1.40926017	0.83090448	0.87629473	-0.0453903	0.59106025	0.90650187
Ehmt2	0.62197035	0.50208241	0.54748435	-0.0454019	0.64381186	0.90650187
Phf14	0.62510931	0.50402797	0.54947493	-0.045447	0.64344973	0.90650187
Chd1	0.53442973	0.44416026	0.48962638	-0.0454661	0.66012841	0.90650187
Emc8	0.67048172	0.53216049	0.57764279	-0.0454823	0.63684457	0.90650187

Prcc	0.28362971	0.24879772	0.29429765	-0.0454999	0.75405744	0.90650187
Emc4	0.6626063	0.52728757	0.5728339	-0.0455463	0.6381329	0.90650187
Rtfdc1	0.58200923	0.47609694	0.52164379	-0.0455468	0.65105266	0.90650187
Etfb	1.5745207	0.85942681	0.90497613	-0.0455493	0.58852663	0.90650187
Ddx18	0.70114563	0.55050153	0.59605658	-0.045555	0.63298365	0.90650187
Tbc1d16	0.47114937	0.39917981	0.44478179	-0.045602	0.67573062	0.90650187
Psmd5	0.44129998	0.37697267	0.4226689	-0.0456962	0.68461031	0.90650187
Cnih1	1.05530739	0.72703686	0.77273727	-0.0457004	0.60369285	0.90650187
Atf1	0.44877286	0.3825392	0.42826487	-0.0457257	0.68248377	0.90650187
Fbxo3	0.52929028	0.44035706	0.48608289	-0.0457258	0.66209893	0.90650187
Lym5	0.33609695	0.29358903	0.33932508	-0.045736	0.72548108	0.90650187
Cux1	0.5005713	0.42012502	0.46596577	-0.0458407	0.66907107	0.90650187
Rnf146	0.50834107	0.42558521	0.47146193	-0.0458767	0.66734379	0.90650187
Arcp2	2.14295349	0.87717611	0.92309295	-0.0459168	0.58750635	0.90650187
Pcif1	0.62783833	0.50526425	0.55120112	-0.0459369	0.64449314	0.90650187
Stau1	0.41421087	0.35607001	0.40203649	-0.0459665	0.69437303	0.90650187
Hint3	0.26545905	0.23212689	0.27811618	-0.0459893	0.76886842	0.90650187
Rab24	0.80360042	0.60820777	0.65421557	-0.0460078	0.62272212	0.90650187
Mdp1	0.40622505	0.34982251	0.39584809	-0.0460256	0.697385	0.90650187
Plaa	0.38676976	0.33452302	0.38056533	-0.0460423	0.70465874	0.90650187
Glr2	0.70816177	0.55410587	0.60020201	-0.0460961	0.633609	0.90650187
Mecp2	0.32757743	0.28607946	0.33217973	-0.0461003	0.7313715	0.90650187
Rbm6	0.62724672	0.50468479	0.55082725	-0.0461425	0.64520459	0.90650187
MacroD2	0.35596781	0.30957686	0.35575047	-0.0461736	0.71803185	0.90650187
Ubxn6	0.75133509	0.57894714	0.62517234	-0.0462252	0.62881175	0.90650187
Bola1	0.47733985	0.40301084	0.449288	-0.0462772	0.67648872	0.90650187
Cnot1	0.42972496	0.3676212	0.41391941	-0.0462982	0.69049549	0.90650187
Gnpat	0.29184537	0.25520875	0.30151281	-0.0463041	0.75260894	0.90650187
Cul2	0.2669047	0.2330982	0.27941517	-0.046317	0.76941495	0.90650187
Mfap1a	0.3390117	0.29541809	0.34175557	-0.0463375	0.72666738	0.90650187

Fkbp1a	2.77431667	0.82258187	0.8689461	-0.0463642	0.59375056	0.90650187
Vps4a	0.46850687	0.3964769	0.44284997	-0.0463731	0.67922114	0.90650187
Eif3l	1.20718367	0.77820795	0.82458553	-0.0463776	0.59872043	0.90650187
Hnrnpd	0.44444101	0.37860327	0.42502652	-0.0464233	0.68636344	0.90650187
Snx12	0.34204191	0.29780367	0.34427476	-0.0464711	0.72577332	0.90650187
Mdm4	0.39907375	0.34379005	0.39026539	-0.0464753	0.70174006	0.90650187
Habp4	0.27983319	0.24437891	0.29094256	-0.0465636	0.76161066	0.90650187
Atraid	1.34246399	0.81476427	0.86134304	-0.0465788	0.5949917	0.90650187
Ankhd1	0.3252026	0.28354291	0.33017692	-0.046634	0.73496362	0.90650187
Pigu	0.2451719	0.21302429	0.25967537	-0.0466511	0.78775619	0.90650187
Flii	0.36272526	0.31455038	0.3612609	-0.0467105	0.71729032	0.90650187
H2afy	1.50351113	0.84718154	0.89392465	-0.0467431	0.59190952	0.90650187
Psmc4	1.17726395	0.76858617	0.81533333	-0.0467472	0.60059556	0.90650187
Tmub2	0.31416677	0.2740456	0.32080355	-0.0467579	0.74149412	0.90650187
Tvp23b	1.06633376	0.73013391	0.77693441	-0.0468005	0.60557019	0.90650187
Chp1	0.43006609	0.36731794	0.41417865	-0.0468607	0.69251145	0.90650187
mt-Nd4l	1.07942702	0.73493181	0.78179475	-0.0468629	0.60506597	0.90650187
Ufm1	1.09658473	0.74116477	0.7880335	-0.0468687	0.60426604	0.90650187
Rbfox2	0.79608768	0.6032467	0.65011828	-0.0468716	0.62571097	0.90650187
Atp5o	2.21390422	0.87268643	0.91967742	-0.046991	0.58984591	0.90650187
Prpf4b	0.96748921	0.68992714	0.73692246	-0.0469953	0.61160592	0.90650187
Cenpb	0.21552552	0.18496031	0.23198865	-0.0470283	0.81626049	0.9092537
Mrpl42	1.00158232	0.7042582	0.75137274	-0.0471145	0.6097855	0.90650187
Rps9	4.74875156	0.52673653	0.57386274	-0.0471262	0.64247337	0.90650187
Capza2	1.54054086	0.85286373	0.89999886	-0.0471351	0.59205222	0.90650187
Mlycd	0.1846373	0.15502922	0.20216896	-0.0471397	0.85003466	0.91472298
Rnf4	0.56839463	0.46543796	0.51262543	-0.0471875	0.65881114	0.90650187
Sbds	0.5876435	0.4781324	0.5253441	-0.0472117	0.65524436	0.90650187
Tmem230	0.42157328	0.36046837	0.40769893	-0.0472306	0.69672653	0.90650187
Arid1a	0.71654254	0.55779434	0.60512179	-0.0473275	0.63596624	0.90650187

Gon4l	0.50407947	0.42112351	0.46845226	-0.0473288	0.67333803	0.90650187
Amfr	0.3798142	0.32764606	0.37502892	-0.0473829	0.71283234	0.90650187
Ddx42	0.58472285	0.47600972	0.52342827	-0.0474186	0.65642936	0.90650187
Mrpl2	0.62470942	0.50169813	0.54922163	-0.0475235	0.64976018	0.90650187
Zfp91	0.36974037	0.31936891	0.36694234	-0.0475734	0.71781576	0.90650187
Ptcd2	0.2658981	0.23093695	0.2785109	-0.047574	0.77618678	0.90650187
2810428I15R	0.99513201	0.70111688	0.74871264	-0.0475958	0.61126123	0.90650187
Pias2	0.31327649	0.27236148	0.32004266	-0.0476812	0.74611801	0.90650187
Sf3a2	0.50106625	0.4186186	0.46631707	-0.0476985	0.67534845	0.90650187
Pelp1	0.3367523	0.29209787	0.33987217	-0.0477743	0.73398129	0.90650187
Hbs1l	0.40030741	0.34339832	0.39123124	-0.0478329	0.70661792	0.90650187
Mrps26	0.84938407	0.63080145	0.67864102	-0.0478396	0.6230059	0.90650187
Zfp62	0.30473152	0.26483064	0.31270413	-0.0478735	0.75193795	0.90650187
Dcun1d1	0.47223879	0.39767972	0.44557671	-0.047897	0.68363139	0.90650187
Apc	0.2812758	0.24428663	0.29221899	-0.0479324	0.76706277	0.90650187
Ccnt1	0.57700425	0.47040046	0.51834119	-0.0479407	0.65952555	0.90650187
Fam195b	1.44545929	0.83556657	0.88352175	-0.0479552	0.59533696	0.90650187
Raver1	0.34693861	0.30036923	0.34832907	-0.0479598	0.72976264	0.90650187
Kpnb1	0.69232662	0.54284874	0.59081121	-0.0479625	0.64091196	0.90650187
Haus7	0.25761468	0.22301358	0.27103294	-0.0480194	0.78454507	0.90650187
Dot1l	0.2245838	0.19252176	0.24054351	-0.0480217	0.81259894	0.9092537
Nat9	0.27972063	0.2428104	0.29084288	-0.0480325	0.76858307	0.90650187
Mia3	0.59253315	0.48045469	0.52854041	-0.0480857	0.6570605	0.90650187
Tmed7	0.42815785	0.36459468	0.41272735	-0.0481327	0.6979282	0.90650187
Dctn4	0.30016763	0.26062121	0.30875808	-0.0481369	0.75587389	0.90650187
9530068E07I	1.08271332	0.73483756	0.78300447	-0.0481669	0.60775545	0.90650187
Tmem11	0.6851562	0.5383481	0.58651583	-0.0481677	0.64248024	0.90650187
Msto1	0.24340506	0.20983701	0.25804999	-0.048213	0.79689977	0.9075779
Rabgap1	0.475968	0.40004327	0.44829165	-0.0482484	0.68384152	0.90650187
Golga7	0.82742366	0.61876911	0.66704145	-0.0482723	0.62616715	0.90650187

Kctd3	0.2787552	0.2416837	0.28998748	-0.0483038	0.77050569	0.90650187
Coq7	0.43454893	0.36917831	0.41757762	-0.0483993	0.69681703	0.90650187
Copb1	1.17547207	0.76629608	0.81475759	-0.0484615	0.60427308	0.90650187
Sdhaf2	0.34608246	0.29900993	0.34762187	-0.0486119	0.73292384	0.90650187
Prpf40a	1.13412411	0.75257587	0.80121159	-0.0486357	0.60636616	0.90650187
Clpx	0.48589124	0.40676144	0.45546991	-0.0487085	0.68275554	0.90650187
Znhit3	0.33003729	0.28550941	0.33424917	-0.0487398	0.74158911	0.90650187
Tmem199	0.39064164	0.33488076	0.38363085	-0.0487501	0.71393856	0.90650187
Zfp326	0.65659893	0.52039095	0.56914289	-0.0487519	0.64832568	0.90650187
Ap2m1	1.87025385	0.87759027	0.92645457	-0.0488643	0.5926923	0.90650187
Cd2bp2	0.36849393	0.31695108	0.36593576	-0.0489847	0.72411004	0.90650187
Brms1l	0.21775928	0.18501909	0.23410617	-0.0490871	0.82437023	0.90933631
Cacnb3	0.2285776	0.19510573	0.24428797	-0.0491822	0.81461429	0.9092537
Ccdc47	0.82000602	0.61387342	0.66307547	-0.049202	0.62925331	0.90650187
Rpf2	0.48999705	0.40921359	0.45842056	-0.049207	0.68338745	0.90650187
Lztr1	0.3757653	0.32257924	0.37178857	-0.0492093	0.7218725	0.90650187
Apmap	0.33714769	0.29092394	0.34020207	-0.0492781	0.74019421	0.90650187
Suv420h1	0.33692344	0.29068531	0.34001498	-0.0493297	0.7405275	0.90650187
Cfap20	1.13341021	0.75158102	0.80096395	-0.0493829	0.60799269	0.90650187
Ndufa10	1.15073157	0.7573888	0.80678576	-0.049397	0.60726223	0.90650187
Vcpip1	0.22288241	0.18951932	0.2389434	-0.0494241	0.82109556	0.9092537
Atp5b	3.33588673	0.74541836	0.79485889	-0.0494405	0.60892506	0.90650187
Wdr18	0.52118371	0.43101576	0.48045976	-0.049444	0.6763428	0.90650187
Nfu1	0.83234867	0.62018674	0.66966186	-0.0494751	0.62871229	0.90650187
Fam98c	0.28995009	0.2502727	0.29985379	-0.0495811	0.76885613	0.90650187
Ndufs4	1.41963734	0.82884803	0.87844536	-0.0495973	0.59909314	0.90650187
Nbr1	0.46672002	0.39193491	0.4415405	-0.0496056	0.69126844	0.90650187
Rpl27-ps3	1.18630837	0.76857286	0.81822239	-0.0496495	0.60632689	0.90650187
Ddx50	0.76924281	0.58549882	0.63526656	-0.0497677	0.63618336	0.90650187
Tsfm	0.45915362	0.38619941	0.43597109	-0.0497717	0.69410599	0.90650187

lfrd1	0.36290819	0.31163471	0.36140957	-0.0497749	0.72981968	0.90650187
Nsmce2	0.46829403	0.39283576	0.4426941	-0.0498583	0.69170381	0.90650187
Nelfa	0.38762431	0.33136706	0.38124292	-0.0498759	0.71957978	0.90650187
Pak2	0.73679351	0.56697879	0.61686397	-0.0498852	0.64039388	0.90650187
Trim44	0.37987114	0.32514375	0.3750744	-0.0499306	0.72301038	0.90650187
Rpl34	4.55903515	0.54863738	0.59857148	-0.0499341	0.64462979	0.90650187
Btbd1	0.43840246	0.37048945	0.42048777	-0.0499983	0.70146098	0.90650187
Avl9	0.37422455	0.32055252	0.37055209	-0.0499996	0.72569937	0.90650187
Actr3	1.53396017	0.84881688	0.8989458	-0.0501289	0.59789618	0.90650187
Atl2	0.28276801	0.24336284	0.29353731	-0.0501745	0.7763397	0.90650187
Zfp282	0.23711439	0.20191245	0.25223804	-0.0503256	0.81245269	0.9092537
Uba5	0.6055642	0.48663747	0.5369875	-0.05035	0.66160129	0.90650187
Hiat1	0.66320419	0.52279936	0.57320021	-0.0504009	0.6520634	0.90650187
Cul3	0.38602604	0.32955935	0.37997517	-0.0504158	0.72235485	0.90650187
Safb2	0.66653587	0.52481377	0.57523796	-0.0504242	0.65161815	0.90650187
Rnf34	0.34186148	0.29366925	0.34412498	-0.0504557	0.7427402	0.90650187
Psm13	1.07229009	0.7286964	0.77915353	-0.0504571	0.61328552	0.90650187
Rps6kb1	0.64788178	0.51324935	0.56375305	-0.0505037	0.65478026	0.90650187
Mars	0.30981499	0.26650491	0.31707763	-0.0505727	0.76085573	0.90650187
Atad1	0.64141214	0.50913971	0.55972658	-0.0505869	0.65607858	0.90650187
Crebbp	0.63875403	0.50747073	0.55806494	-0.0505942	0.65654023	0.90650187
Rcn2	1.41527471	0.82690071	0.87754495	-0.0506442	0.60124138	0.90650187
Med7	0.41047099	0.34849024	0.39914435	-0.0506541	0.71368329	0.90650187
Polr2j	1.14557524	0.75444622	0.80510688	-0.0506607	0.61015997	0.90650187
Dalrd3	0.46890089	0.39237532	0.44313842	-0.0507631	0.69471506	0.90650187
D8Ertd738e	1.78692437	0.87275591	0.92359657	-0.0508407	0.59666127	0.90650187
Tbl1x	0.71367515	0.55245351	0.60344254	-0.050989	0.64640771	0.90650187
Kmt2a	0.56324729	0.45817746	0.5091856	-0.0510081	0.67196396	0.90650187
Cnpy2	1.84588809	0.87477546	0.92579732	-0.0510219	0.59677294	0.90650187
Brd4	0.56166975	0.45710034	0.50812815	-0.0510278	0.67236085	0.90650187

Nelfb	0.61298861	0.49066495	0.54175711	-0.0510922	0.66248595	0.90650187
Abt1	0.29897339	0.25662721	0.30772243	-0.0510952	0.76979225	0.90650187
Smarcad1	0.42926711	0.36239925	0.41357132	-0.0511721	0.7088624	0.90650187
Trip12	0.59374974	0.47807906	0.52933316	-0.0512541	0.66656863	0.90650187
2610002M06	0.27143265	0.23200725	0.28347103	-0.0514638	0.79019379	0.90650187
Got2	0.57444361	0.46515406	0.51664582	-0.0514918	0.67114373	0.90650187
Rsbn1	0.30595254	0.26209478	0.3137567	-0.0516619	0.76791442	0.90650187
Prpf31	0.4308143	0.36308004	0.41474698	-0.0516669	0.71014544	0.90650187
Tm2d3	0.56840704	0.46080344	0.5126337	-0.0518303	0.6734561	0.90650187
Pigf	0.27721244	0.2367847	0.28861875	-0.0518341	0.78768139	0.90650187
Ap1m1	0.45039033	0.37761799	0.42947061	-0.0518526	0.70427823	0.90650187
Cfap97	0.35107531	0.29977934	0.35173752	-0.0519582	0.7443127	0.90650187
Aifm1	0.36350461	0.30987606	0.36189405	-0.052018	0.73858961	0.90650187
Setd5	0.98381937	0.69194268	0.74396529	-0.0520226	0.62204801	0.90650187
Taf11	0.54707061	0.44621948	0.49827051	-0.052051	0.67882053	0.90650187
Eif2b2	0.44279038	0.37165832	0.42378845	-0.0521301	0.70776019	0.90650187
Zfp207	1.33612206	0.80765878	0.85979294	-0.0521342	0.60625158	0.90650187
Mrps24	1.18651949	0.76614753	0.8182895	-0.052142	0.61151777	0.90650187
Brix1	0.56711634	0.45961828	0.51177278	-0.0521545	0.67474345	0.90650187
Tmem115	0.43656387	0.36693397	0.41910062	-0.0521667	0.70999063	0.90650187
Tomm7	2.35140878	0.85793063	0.91010333	-0.0521727	0.6005803	0.90650187
Mrpl33	1.65891568	0.86222532	0.91455741	-0.0523321	0.60040016	0.90650187
Usp10	0.31816442	0.2718754	0.32421167	-0.0523363	0.76350956	0.90650187
Mapk8ip2	0.22739106	0.1907871	0.2431772	-0.0523901	0.83090848	0.9098597
Pcgf3	0.37617205	0.31971664	0.37211468	-0.052398	0.73434009	0.90650187
Coro1b	0.58435476	0.47073113	0.52318647	-0.0524553	0.67210101	0.90650187
Strn3	0.59474981	0.47752313	0.52998417	-0.052461	0.67005065	0.90650187
Pex14	0.45155578	0.37777135	0.43033824	-0.0525669	0.70644953	0.90650187
Vapb	1.02408528	0.70793783	0.76050748	-0.0525696	0.62069248	0.90650187
Mllt10	0.47693975	0.39630208	0.44899754	-0.0526955	0.69907689	0.90650187

Ythdf2	0.63867176	0.50530467	0.55801345	-0.0527088	0.66272902	0.90650187
Pigk	0.58799198	0.47282036	0.52557236	-0.052752	0.67227653	0.90650187
Pdcd10	0.84556207	0.62385657	0.67663799	-0.0527814	0.63562221	0.90650187
Rab12	0.2572465	0.2179065	0.27069905	-0.0527925	0.80702777	0.9092537
Cuedc2	0.81131506	0.605559	0.65839746	-0.0528385	0.63936944	0.90650187
Gm5900	0.35117033	0.2989741	0.35181564	-0.0528415	0.74784235	0.90650187
Smarcb1	1.03264227	0.7109284	0.76391763	-0.0529892	0.6210996	0.90650187
Krit1	0.76077189	0.57750052	0.63051068	-0.0530102	0.64571012	0.90650187
Acadvl	0.66288056	0.51998897	0.57300195	-0.053013	0.65957318	0.90650187
Helz	0.46160212	0.38473724	0.43777772	-0.0530405	0.70492643	0.90650187
Elp2	0.34814183	0.29623108	0.34932193	-0.0530908	0.75037006	0.90650187
Set	1.87930624	0.87350405	0.9266671	-0.0531631	0.60065591	0.90650187
Timm17b	0.85728286	0.62959271	0.68276163	-0.0531689	0.63540161	0.90650187
2310009B15l	0.49088328	0.40586048	0.45905597	-0.0531955	0.69677857	0.90650187
Cldnd1	0.96109199	0.6808649	0.73406449	-0.0531996	0.62634367	0.90650187
Pkn2	0.90226562	0.65247731	0.70567987	-0.0532026	0.63124885	0.90650187
Sf3a3	0.62782012	0.49795946	0.55118961	-0.0532302	0.66615719	0.90650187
Upf2	0.78205979	0.58916346	0.64239861	-0.0532351	0.64371416	0.90650187
Vdac1	1.58682084	0.85319269	0.90643891	-0.0532462	0.60300955	0.90650187
Ctdnep1	0.39456756	0.33347502	0.38672729	-0.0532523	0.72978374	0.90650187
Fxr1	0.88092051	0.64161647	0.6949229	-0.0533064	0.633454	0.90650187
Larp4	0.28476862	0.24188459	0.29530155	-0.053417	0.78934878	0.90650187
Dnajc4	0.28685811	0.24366939	0.29714025	-0.0534709	0.78814284	0.90650187
9930021J03F	0.24224626	0.20346831	0.25698232	-0.053514	0.82271287	0.9092537
Rpe	0.32073891	0.27287274	0.32639914	-0.0535264	0.76701072	0.90650187
Wdr74	0.36263943	0.3076297	0.36119115	-0.0535614	0.74513047	0.90650187
Traf7	0.49446057	0.40804064	0.46161529	-0.0535747	0.6970564	0.90650187
Nfs1	0.41149894	0.34635973	0.39994033	-0.0535806	0.72427358	0.90650187
Rbm27	0.53927047	0.43932607	0.49294878	-0.0536227	0.68566184	0.90650187
Oaz2	1.36723093	0.81349838	0.86712224	-0.0536239	0.60831175	0.90650187

Rtcb	1.00756745	0.70010496	0.75382607	-0.0537211	0.62430776	0.90650187
Eif2b4	0.41541739	0.34915762	0.40296729	-0.0538097	0.72362282	0.90650187
Rpl36al	3.21230344	0.75712412	0.81093611	-0.053812	0.61600343	0.90650187
Gm10093	0.5741766	0.46264113	0.51646882	-0.0538277	0.67843691	0.90650187
Tlk1	0.28346267	0.24030941	0.29415031	-0.0538409	0.79209676	0.90681274
Ubald1	0.33126177	0.28143597	0.33527738	-0.0538414	0.76235846	0.90650187
Rdh14	0.39758285	0.33524931	0.3890966	-0.0538473	0.73079853	0.90650187
Txnl4a	0.82739715	0.61309724	0.66702731	-0.0539301	0.64036456	0.90650187
Clock	0.46392328	0.38539525	0.43948653	-0.0540913	0.7078649	0.90650187
Arl1	1.53566879	0.84508775	0.89922027	-0.0541325	0.60550517	0.90650187
Ddx1	0.91867015	0.65965454	0.71379654	-0.054142	0.6320179	0.90650187
Srrt	0.67335636	0.52523627	0.57938967	-0.0541534	0.66111728	0.90650187
Ppp2r5c	0.29098086	0.2465348	0.30075648	-0.0542217	0.78857108	0.90650187
Preli1	1.35139564	0.80910443	0.86345627	-0.0543518	0.61019866	0.90650187
Cyc1	1.30602332	0.7979403	0.85230988	-0.0543696	0.61163733	0.90650187
Umps	0.43957433	0.36697598	0.42137063	-0.0543947	0.71697633	0.90650187
Ash1l	0.96391794	0.68092324	0.73536787	-0.0544446	0.62897529	0.90650187
Ehmt1	0.48610805	0.40109556	0.455626	-0.0545304	0.70265815	0.90650187
Swi5	2.36847766	0.85410472	0.90871303	-0.0546083	0.605325	0.90650187
Mrpl38	0.69376357	0.53701322	0.59166854	-0.0546553	0.65933995	0.90650187
N4bp2l2	0.86027576	0.62960392	0.68431631	-0.0547124	0.63886801	0.90650187
Rap1a	1.34032769	0.80607214	0.86082223	-0.0547501	0.61131569	0.90650187
Pomp	1.85233654	0.87120647	0.92598369	-0.0547772	0.60371816	0.90650187
Ptges3	1.6869088	0.86237389	0.91721754	-0.0548437	0.60481046	0.90650187
Jmjd6	0.66917743	0.52199581	0.57684877	-0.054853	0.66375601	0.90650187
Nckap1	0.52806196	0.43030531	0.48523354	-0.0549282	0.6926025	0.90650187
Btf3l4	1.27633783	0.78950616	0.84454242	-0.0550363	0.61397966	0.90650187
Scoc	0.67680507	0.52644205	0.5814798	-0.0550377	0.66304281	0.90650187
Ttc1	0.63299363	0.49938181	0.55445087	-0.0550691	0.670591	0.90650187
Ctdspl2	0.46996944	0.38875418	0.44391991	-0.0551657	0.70968117	0.90650187

Ccnc	0.31031634	0.26219969	0.31750773	-0.055308	0.78065265	0.90650187
Cisd2	0.76843034	0.57945824	0.63481195	-0.0553537	0.65086011	0.90650187
Isca2	0.50653101	0.41477139	0.47018506	-0.0554137	0.69983885	0.90650187
Ildr1	0.2759737	0.23205612	0.28751815	-0.055462	0.8044306	0.90882608
Rab8a	0.62223369	0.49214573	0.54765156	-0.0555058	0.67385136	0.90650187
Xrn1	0.35666759	0.3007956	0.35632284	-0.0555272	0.75577522	0.90650187
Synj2bp	0.54923504	0.44420893	0.49974019	-0.0555313	0.68934582	0.90650187
Nck1	0.59515112	0.47471306	0.53024525	-0.0555322	0.67924374	0.90650187
Exosc4	0.76925665	0.5797203	0.6352743	-0.055554	0.6512743	0.90650187
Pdcd11	0.40060083	0.3357651	0.39146079	-0.0556957	0.7364717	0.90650187
Kansl2	0.5799673	0.4645661	0.52029817	-0.0557321	0.6830319	0.90650187
Mat2a	1.10082876	0.73375357	0.78954115	-0.0557876	0.62328455	0.90650187
Prpsap1	0.63969356	0.50280039	0.5586527	-0.0558523	0.67164407	0.90650187
Preb	0.50599065	0.41390616	0.46980346	-0.0558973	0.70157614	0.90650187
Necap1	0.34776343	0.29299683	0.34900981	-0.056013	0.76222575	0.90650187
Phpt1	1.35722387	0.8087857	0.86481424	-0.0560285	0.61333298	0.90650187
Gm16286	0.85689267	0.6265054	0.68255868	-0.0560533	0.64247539	0.90650187
Commd7	0.68363259	0.52947493	0.58559969	-0.0561248	0.66497291	0.90650187
Mrpl16	0.30909026	0.26025384	0.31645552	-0.0562017	0.78509831	0.90650187
Aspscr1	0.49541001	0.40605592	0.46229286	-0.0562369	0.70567678	0.90650187
Eif2s2	2.35998174	0.85311031	0.90941468	-0.0563044	0.60843397	0.90650187
Son	2.31581939	0.85657291	0.91288095	-0.056308	0.60803933	0.90650187
Pabpn1	0.59032727	0.47077372	0.52710018	-0.0563265	0.68262861	0.90650187
Actr10	0.9208633	0.65853482	0.714868	-0.0563332	0.63695208	0.90650187
I7Rn6	0.63852049	0.50155985	0.55791877	-0.0563589	0.67331264	0.90650187
Sdf2	1.03028318	0.70653573	0.76298033	-0.0564446	0.62887756	0.90650187
Emc7	1.05751664	0.71698151	0.77358211	-0.0566006	0.62751209	0.90650187
Prmt7	0.37481771	0.31440326	0.37102833	-0.0566251	0.75126415	0.90650187
Rhobtb3	0.27854576	0.23308618	0.28980179	-0.0567156	0.80785708	0.9092537
Tpd52l2	0.82645003	0.6097862	0.6665222	-0.056736	0.64744103	0.90650187

Lpp	0.70996837	0.54447331	0.60126549	-0.0567922	0.66272337	0.90650187
Ankrd10	0.44976628	0.37219579	0.42900563	-0.0568098	0.72196761	0.90650187
Lamtor5	1.01111436	0.69837068	0.75527322	-0.0569025	0.63116238	0.90650187
Ppp3cb	0.38768468	0.32438146	0.38129077	-0.0569093	0.74650317	0.90650187
Wdr26	0.58688993	0.4679373	0.52485026	-0.056913	0.68512057	0.90650187
App	2.12397017	0.866919	0.92384827	-0.0569293	0.60793718	0.90650187
Mar-07	0.65129148	0.50893104	0.56586608	-0.056935	0.67267006	0.90650187
Cyb5r4	0.50811043	0.41432828	0.47129936	-0.0569711	0.70450046	0.90650187
Rpp25l	0.55988139	0.44995049	0.50692757	-0.0569771	0.69134707	0.90650187
Ing2	0.53153272	0.43049392	0.48763102	-0.0571371	0.69878325	0.90650187
Rbm5	1.13412717	0.74406307	0.80121265	-0.0571496	0.62441614	0.90650187
Bap1	0.24835929	0.20541153	0.2625996	-0.0571881	0.83351514	0.91060043
Yipf3	0.94892852	0.6711288	0.72835725	-0.0572284	0.63656793	0.90650187
Fubp1	1.69665567	0.86071689	0.91795468	-0.0572378	0.60918659	0.90650187
Hnrnpab	1.52828116	0.84073388	0.89802821	-0.0572943	0.61165315	0.90650187
Snw1	0.97611257	0.68324268	0.74065491	-0.0574122	0.63480372	0.90650187
Polr3k	0.77027931	0.57843363	0.63584608	-0.0574124	0.65593979	0.90650187
Dnajc7	0.96468822	0.67827591	0.73570362	-0.0574277	0.63571039	0.90650187
Ndr3	0.4844224	0.39689125	0.45441158	-0.0575203	0.71319194	0.90650187
Vdac2	1.71023764	0.86137972	0.91894337	-0.0575636	0.6096772	0.90650187
Prkag1	0.51864549	0.4210765	0.47869051	-0.057614	0.70369657	0.90650187
Commd6	0.73342155	0.5572118	0.61492242	-0.0577106	0.66174171	0.90650187
Zmynd11	0.67498552	0.52266595	0.5803778	-0.0577119	0.67077859	0.90650187
Llph	1.07840525	0.72366495	0.78141779	-0.0577528	0.62875768	0.90650187
Zc3h18	0.40112636	0.33400833	0.39187176	-0.0578634	0.74422762	0.90650187
Pgrmc2	0.4446003	0.36720456	0.42514584	-0.0579413	0.72770025	0.90650187
Magohb	0.46408104	0.38161783	0.43960254	-0.0579847	0.72119223	0.90650187
Ndufb3	1.46948912	0.82997816	0.88802946	-0.0580513	0.61432647	0.90650187
Pum2	0.69862738	0.53648452	0.59456274	-0.0580782	0.667949	0.90650187
Anp32a	1.87197743	0.86841364	0.92649618	-0.0580825	0.60976147	0.90650187

Rrp7a	0.60712939	0.47990322	0.5379956	-0.0580924	0.68439817	0.90650187
Purb	0.63476998	0.49747235	0.55556728	-0.0580949	0.67898812	0.90650187
Gm6483	0.88132476	0.63700556	0.69512881	-0.0581232	0.64494922	0.90650187
Phax	0.82584665	0.60797109	0.66620022	-0.0582291	0.65120195	0.90650187
Pgam1	1.96749834	0.8690509	0.92736261	-0.0583117	0.6100831	0.90650187
Anapc7	0.35453488	0.29625763	0.35457718	-0.0583195	0.76767056	0.90650187
Tmem60	0.41119707	0.34137679	0.39970666	-0.0583299	0.74175158	0.90650187
1110004E09I	0.42513417	0.35206172	0.41042223	-0.0583605	0.73635515	0.90650187
Pcf11	0.36795327	0.30702576	0.36549875	-0.058473	0.76152424	0.90650187
Rabggtb	0.5854727	0.46541097	0.52392061	-0.0585096	0.69021855	0.90650187
Ube2j2	0.8234215	0.60636894	0.66490451	-0.0585356	0.65223947	0.90650187
Mrpl44	0.39191016	0.32603228	0.38463266	-0.0586004	0.75089424	0.90650187
Serinc1	1.42214564	0.82025793	0.87894671	-0.0586888	0.61670597	0.90650187
Hmbs	0.42702357	0.35311386	0.41186342	-0.0587496	0.73700395	0.90650187
Aggf1	0.44731606	0.36839837	0.4271773	-0.0587789	0.72963469	0.90650187
Ebna1bp2	0.86648823	0.62871538	0.68752908	-0.0588137	0.64813608	0.90650187
Rpl27a	4.45947167	0.55349232	0.61245032	-0.058958	0.66565979	0.90650187
Tmem14c	1.39849468	0.81505501	0.87403109	-0.0589761	0.61790057	0.90650187
Unc45a	0.36315413	0.30262329	0.36160938	-0.0589861	0.76582672	0.90650187
Zcchc7	0.50344508	0.40897459	0.46800322	-0.0590286	0.71250528	0.90650187
Ndufb7	1.9264551	0.86816694	0.92720797	-0.059041	0.61144189	0.90650187
Tmem242	0.87748396	0.63402275	0.69316986	-0.0591471	0.64778108	0.90650187
Tspyl1	0.66270657	0.51370448	0.57289534	-0.0591909	0.67699592	0.90650187
Hnrnpul1	0.94236231	0.66595479	0.72525305	-0.0592983	0.64187771	0.90650187
Wdr61	0.87476122	0.63247764	0.69177761	-0.0593	0.64842899	0.90650187
Psmb4	1.81282424	0.86535032	0.92475301	-0.0594027	0.61239596	0.90650187
Ep400	0.35234106	0.29319495	0.3527776	-0.0595827	0.77362678	0.90650187
Prcc2c	1.63190271	0.85199455	0.91164056	-0.059646	0.61442203	0.90650187
Phf12	0.33968713	0.28265714	0.34231775	-0.0596606	0.78077089	0.90650187
Cnot4	0.62275215	0.48818535	0.54798064	-0.0597953	0.68619789	0.90650187

Maf1	0.78913244	0.58649187	0.64630272	-0.0598108	0.65961407	0.90650187
Amz2	0.49487199	0.40209377	0.46190898	-0.0598152	0.71758654	0.90650187
Ybx1	3.45525718	0.71761339	0.77743228	-0.0598189	0.63384846	0.90650187
Srp54b	1.29435662	0.78934585	0.84935464	-0.0600088	0.62327441	0.90650187
Nrd1	0.79260208	0.58806549	0.6482089	-0.0601434	0.6600066	0.90650187
Dnm1l	0.50732814	0.41054611	0.47074765	-0.0602015	0.71516112	0.90650187
Igf2bp2	0.53099466	0.42687726	0.48725985	-0.0603826	0.70915295	0.90650187
Gripap1	0.44371936	0.3640339	0.42448548	-0.0604516	0.73666748	0.90650187
Prpf38a	0.60591421	0.47669222	0.53721306	-0.0605208	0.69175422	0.90650187
Ndufb11	2.43050841	0.84293806	0.90347478	-0.0605367	0.61710066	0.90650187
Rc3h2	0.44986452	0.36846867	0.42907884	-0.0606102	0.73498848	0.90650187
Cops5	1.0493105	0.70982433	0.77043456	-0.0606102	0.63673184	0.90650187
Fbxo22	0.47473536	0.38669753	0.44739532	-0.0606978	0.72678959	0.90650187
Hnrnpf	2.27614952	0.85499883	0.91576662	-0.0607678	0.61600245	0.90650187
Ip6k1	0.41421683	0.34127273	0.40204109	-0.0607684	0.74919279	0.90650187
Nelfcd	0.405187	0.33422378	0.39504015	-0.0608164	0.7531388	0.90650187
Ilkap	0.83021705	0.60769112	0.66852895	-0.0608378	0.65710007	0.90650187
Pmpcb	0.66188639	0.51148439	0.57239257	-0.0609082	0.68191342	0.90650187
Snrpc	1.38439336	0.80992955	0.87096386	-0.0610343	0.6223025	0.90650187
Kmt2e	1.09352963	0.72586474	0.78694403	-0.0610793	0.63497133	0.90650187
Ergic2	1.00215221	0.69052681	0.75160695	-0.0610801	0.64105379	0.90650187
Lsm8	0.72700584	0.54997843	0.61121335	-0.0612349	0.67197986	0.90650187
Cox5a	1.59574963	0.84623514	0.90747725	-0.0612421	0.61791778	0.90650187
Ergic3	1.60125707	0.84682307	0.90812234	-0.0612993	0.61794323	0.90650187
Fip1l1	1.00581761	0.69171434	0.75311028	-0.0613959	0.64148088	0.90650187
Meaf6	0.52302428	0.42018729	0.48174013	-0.0615528	0.71499048	0.90650187
Ndel1	0.59325855	0.4674336	0.52901319	-0.0615796	0.69759266	0.90650187
U2af2	0.80491173	0.59313781	0.65492822	-0.0617904	0.66254866	0.90650187
Chmp7	0.46292678	0.37689306	0.43875338	-0.0618603	0.73460184	0.90650187
Sec11a	1.678373	0.85467569	0.91655453	-0.0618788	0.61796244	0.90650187

Prpf8	0.4205274	0.34498072	0.40689728	-0.0619166	0.7506311	0.90650187
Hdgf	0.79029699	0.58495962	0.64694326	-0.0619836	0.66492187	0.90650187
Dnajc30	0.4855709	0.39314907	0.45523922	-0.0620901	0.72785448	0.90650187
Slmo2	0.65767845	0.50759387	0.56980755	-0.0622137	0.68629931	0.90650187
Dync1i2	1.79871506	0.86186564	0.92416611	-0.0623005	0.61779319	0.90650187
Brwd1	0.58646791	0.46223795	0.52457356	-0.0623356	0.70134608	0.90650187
Dag1	0.56203232	0.44598849	0.50837132	-0.0623828	0.70730392	0.90650187
Sdhc	0.95915546	0.67069447	0.73315957	-0.0624651	0.64756884	0.90650187
Arl3	1.20829822	0.7624151	0.82491689	-0.0625018	0.63187821	0.90650187
Nelfe	0.48298602	0.39080442	0.45337523	-0.0625708	0.73024134	0.90650187
Pafah1b1	1.41260599	0.81438503	0.87699148	-0.0626065	0.62451548	0.90650187
Lamtor2	1.43106358	0.81808214	0.88071478	-0.0626326	0.62405657	0.90650187
Ppp2r1a	1.16581288	0.74870378	0.81164126	-0.0629375	0.63485048	0.90650187
Glg1	0.78917746	0.58330538	0.6463275	-0.0630221	0.66766777	0.90650187
Actl6a	0.770818	0.5731022	0.63614708	-0.0630449	0.67024089	0.90650187
Hnrnpu	1.86704188	0.86331524	0.9263756	-0.0630604	0.61891098	0.90650187
Rdx	1.40905987	0.81317664	0.87625292	-0.0630763	0.62552075	0.90650187
Ndufa8	1.50110354	0.83043927	0.89351718	-0.0630779	0.62317793	0.90650187
Arfip2	0.62363472	0.485439	0.54854049	-0.0631015	0.69546501	0.90650187
Sar1b	0.86209485	0.62214983	0.68525947	-0.0631096	0.65888518	0.90650187
Naa20	0.90162015	0.64217176	0.70535771	-0.0631859	0.65477241	0.90650187
Sri	1.33330444	0.79578172	0.85910035	-0.0633186	0.62841426	0.90650187
Cwc15	1.08359676	0.71999764	0.78332899	-0.0633314	0.64036057	0.90650187
Tm2d1	1.04518506	0.7054155	0.7688424	-0.0634269	0.64309632	0.90650187
Cnot6	0.57773096	0.45538281	0.51882163	-0.0634388	0.7066367	0.90650187
Cnot3	0.68601693	0.52353606	0.58703286	-0.0634968	0.68469272	0.90650187
Twistnb	0.39693151	0.32494853	0.38858544	-0.0636369	0.76670458	0.90650187
Stub1	1.70798967	0.85504506	0.91878336	-0.0637383	0.62111208	0.90650187
Sucla2	0.73944891	0.55461104	0.61838914	-0.0637781	0.6767039	0.90650187
Prcc2b	0.60838652	0.47496947	0.53880428	-0.0638348	0.7007966	0.90650187

Prkra	0.55088596	0.4369094	0.50085925	-0.0639499	0.71485224	0.90650187
Dgcr6	0.59581158	0.46666492	0.53067473	-0.0640098	0.70409935	0.90650187
Ndufb10	1.7352246	0.85659874	0.92064864	-0.0640499	0.62144673	0.90650187
1110059E24I	0.59564235	0.46650548	0.53056471	-0.0640592	0.70428083	0.90650187
Tspan31	0.75965516	0.56581991	0.6298811	-0.0640612	0.67441386	0.90650187
Mrpl46	0.45657236	0.36995871	0.43406195	-0.0641032	0.7442607	0.90650187
Elp5	0.49290712	0.39638923	0.46050506	-0.0641158	0.73202831	0.90650187
Cers2	0.75414948	0.56260365	0.62676873	-0.0641651	0.67548724	0.90650187
Tra2a	1.25749325	0.77504524	0.83930571	-0.0642605	0.63321206	0.90650187
G3bp1	1.56281686	0.83901714	0.9033393	-0.0643222	0.62420701	0.90650187
Gppb1	0.90758067	0.64392737	0.70832654	-0.0643992	0.65696083	0.90650187
Wdr77	0.37367386	0.30570946	0.37010969	-0.0644002	0.78040129	0.90650187
Atp6ap1	0.85696683	0.61794713	0.68259725	-0.0646501	0.66314147	0.90650187
Gtf2a2	1.43844579	0.81734537	0.88216143	-0.0648161	0.62802883	0.90650187
Ggnbp2	0.73416955	0.5504271	0.61535358	-0.0649265	0.68048654	0.90650187
lars2	0.34304872	0.28010273	0.34511008	-0.0650074	0.79881767	0.90777025
Vapa	1.5778478	0.84024456	0.90537553	-0.065131	0.6254432	0.90650187
Phf23	0.58041719	0.45534877	0.52059485	-0.0652461	0.71129343	0.90650187
Suv420h2	0.30053604	0.243657	0.3090773	-0.0654203	0.82664025	0.90947782
Mpv17l2	0.26750213	0.21449293	0.27995142	-0.0654585	0.85070819	0.91491493
Eif4a3	1.01028882	0.68944659	0.75493685	-0.0654903	0.65012328	0.90650187
Etfa	0.99482545	0.68297841	0.74858579	-0.0656074	0.65159151	0.90650187
Rab18	1.19295249	0.75456777	0.82031684	-0.0657491	0.63919917	0.90650187
Spg21	0.68822961	0.52240887	0.58836028	-0.0659514	0.69087214	0.90650187
Dhx9	0.5342047	0.42342994	0.48947157	-0.0660416	0.72568707	0.90650187
Pfdn2	1.5441166	0.83442116	0.90056648	-0.0661453	0.62798582	0.90650187
Spop	1.07011384	0.71205982	0.7783443	-0.0662845	0.64750448	0.90650187
Rbbp6	0.82162223	0.5976006	0.66394159	-0.066341	0.67155268	0.90650187
Bag1	1.63433942	0.845288	0.91190747	-0.0666195	0.62732397	0.90650187
Hibadh	0.61115324	0.47394779	0.54058091	-0.0666331	0.70814534	0.90650187

Csnk1d	0.79053891	0.58032764	0.6470762	-0.0667486	0.676733	0.90650187
Nudt5	0.56345232	0.44254076	0.50932293	-0.0667822	0.72002161	0.90650187
Rab11b	1.22284597	0.76243925	0.8292325	-0.0667933	0.63986051	0.90650187
2010107E04I	2.31265995	0.84632838	0.913122	-0.0667936	0.62748136	0.90650187
Snrpd2	2.25449968	0.85038349	0.9172108	-0.0668273	0.62699451	0.90650187
Mmadhc	0.75145278	0.55831667	0.62523917	-0.0669225	0.68290428	0.90650187
Thrap3	1.10954497	0.72567291	0.79261648	-0.0669436	0.64634501	0.90650187
Rsrc2	1.75644165	0.8550245	0.92198478	-0.0669603	0.62660225	0.90650187
Tomm40	0.88905556	0.63193719	0.69905411	-0.0671169	0.66524745	0.90650187
Ssb	1.78746691	0.85632167	0.92362338	-0.0673017	0.6270076	0.90650187
Eif5b	1.69611486	0.85018445	0.91791433	-0.0677299	0.62855427	0.90650187
Ndufa9	0.90375589	0.63865878	0.70642307	-0.0677643	0.66510962	0.90650187
Arpc1a	1.67990051	0.84884076	0.91667438	-0.0678336	0.62891214	0.90650187
Hdac2	1.27405481	0.77603765	0.8439248	-0.0678871	0.63968399	0.90650187
Eif6	1.09566395	0.71977862	0.78770551	-0.0679269	0.64927424	0.90650187
Chtop	0.82491511	0.59774231	0.66570281	-0.0679605	0.67502966	0.90650187
Atf6b	0.66623366	0.50706866	0.57505345	-0.0679848	0.70040816	0.90650187
Senp6	0.85548826	0.61376751	0.68182767	-0.0680602	0.67139239	0.90650187
Smc3	1.27668537	0.7765377	0.84463629	-0.0680986	0.6399877	0.90650187
Srsf10	1.05615918	0.70490515	0.77306322	-0.0681581	0.65245331	0.90650187
Arhgdia	1.61456757	0.84145916	0.90968329	-0.0682241	0.63058764	0.90650187
Dnaja2	1.15443751	0.73975603	0.80798646	-0.0682304	0.64632195	0.90650187
Hnrnpa3	2.39718953	0.83790084	0.90630248	-0.0684016	0.63138529	0.90650187
Wtap	0.93175331	0.65161013	0.72016101	-0.0685509	0.66391422	0.90650187
Mphosph8	0.59651336	0.46256137	0.5311308	-0.0685694	0.71699291	0.90650187
Matr3	1.2637095	0.77220134	0.84106288	-0.0688615	0.64206408	0.90650187
Mrps23	0.46167085	0.3688808	0.43782837	-0.0689476	0.75806053	0.90650187
Sun1	0.41393772	0.33281877	0.40182561	-0.0690068	0.77740507	0.90650187
Psmc3	1.38223537	0.80110781	0.87048631	-0.0693785	0.63844994	0.90650187
Ctage5	0.61485269	0.47328461	0.54294978	-0.0696652	0.71580012	0.90650187

Hypk	1.35212264	0.79393001	0.86362621	-0.0696962	0.64011585	0.90650187
Psm5	1.73469456	0.85082729	0.92061384	-0.0697865	0.63194017	0.90650187
Cfl1	3.44731336	0.70886317	0.77869051	-0.0698273	0.65492438	0.90650187
Trappc4	1.03305975	0.69406642	0.76408328	-0.0700169	0.6581332	0.90650187
Tsnax	0.6877249	0.51798933	0.58805772	-0.0700684	0.70184138	0.90650187
Dph3	0.77695803	0.5694791	0.63956858	-0.0700895	0.68693749	0.90650187
Gatad2b	0.73755311	0.54717329	0.6173006	-0.0701273	0.69323287	0.90650187
Dars	0.83848887	0.60278006	0.67291459	-0.0701345	0.67844089	0.90650187
Psm1	1.57906198	0.83537892	0.90552059	-0.0701417	0.63471106	0.90650187
Slc25a3	2.3758354	0.83775392	0.90809996	-0.070346	0.63471946	0.90650187
Cops7a	0.80491705	0.58450372	0.6549311	-0.0704274	0.68369411	0.90650187
Psm12	1.11865267	0.72515058	0.79580403	-0.0706535	0.65346488	0.90650187
Hax1	0.69546559	0.52190872	0.59268267	-0.0707739	0.70224303	0.90650187
Eif3d	1.11881352	0.72501155	0.79586069	-0.0708491	0.65385782	0.90650187
Nedd8	2.02565545	0.85559146	0.92680244	-0.071211	0.63366602	0.90650187
Actr1b	0.5646182	0.43846908	0.51010334	-0.0716343	0.73378483	0.90650187
Rnps1	0.81990268	0.59087098	0.66302005	-0.0721491	0.68572393	0.90650187
Zfp706	1.51083272	0.82300532	0.89515445	-0.0721491	0.63994593	0.90650187
Mlf2	1.57601525	0.83298775	0.90515589	-0.0721681	0.63849859	0.90650187
Ap2s1	1.64603428	0.84085103	0.91316925	-0.0723182	0.63760663	0.90650187
Puf60	1.3997501	0.80195032	0.87429679	-0.0723465	0.64351335	0.90650187
Anapc13	1.74999971	0.8492073	0.92159504	-0.0723877	0.63652489	0.90650187
Eny2	1.29391071	0.77681699	0.84924083	-0.0724238	0.64770225	0.90650187
Cbx6	1.1482597	0.73354673	0.80598213	-0.0724354	0.65525104	0.90650187
Wac	0.64558139	0.48979326	0.56232396	-0.0725307	0.71681692	0.90650187
Ube2n	1.64625905	0.84037135	0.91319319	-0.0728218	0.6385221	0.90650187
Ywhaz	1.29104588	0.77535376	0.84848153	-0.0731278	0.64919642	0.90650187
Mrpl34	0.92742091	0.64478554	0.7180607	-0.0732752	0.67496177	0.90650187
Nmt1	1.08740931	0.71121958	0.78472609	-0.0735065	0.66145116	0.90650187
Atp5c1	2.30075415	0.84039695	0.91402129	-0.0736243	0.63986322	0.90650187

Cand1	0.53969896	0.41940964	0.49324217	-0.0738325	0.74712018	0.90650187
Plgrkt	0.49380267	0.38728322	0.46114542	-0.0738622	0.76178556	0.90650187
Pigp	1.01895405	0.68454488	0.75844881	-0.0739039	0.66755939	0.90650187
mt-Nd5	1.66915977	0.84164991	0.91564603	-0.0739961	0.64030078	0.90650187
Hdac1	1.14872007	0.73208932	0.80613197	-0.0740426	0.65848274	0.90650187
Smdt1	2.18969893	0.84689701	0.92095389	-0.0740569	0.63963584	0.90650187
Selk	2.39483033	0.83240852	0.90650091	-0.0740924	0.64183177	0.90650187
Sf1	0.70955351	0.5268279	0.60102142	-0.0741935	0.70842556	0.90650187
Smu1	0.7941576	0.57470809	0.64906166	-0.0743536	0.69471801	0.90650187
Lrp10	0.62168954	0.47293072	0.54730601	-0.0743753	0.72712096	0.90650187
Rpl3	4.6162265	0.51661635	0.59100805	-0.0743917	0.71211697	0.90650187
Srsf5	1.66347355	0.84061481	0.91504468	-0.0744299	0.64117686	0.90650187
Rbm22	0.66783877	0.50112032	0.57603292	-0.0749126	0.71841768	0.90650187
Polr2g	1.20973767	0.75037684	0.82534422	-0.0749674	0.65682075	0.90650187
Cdc23	0.43495242	0.34275177	0.41788284	-0.0751311	0.78793442	0.90650187
Tbca	2.27239187	0.84078688	0.91602093	-0.075234	0.64249046	0.90650187
Tmem208	1.12467794	0.7224732	0.79792017	-0.075447	0.66288592	0.90650187
Hdgfrp2	0.45769189	0.35929155	0.43489054	-0.075599	0.7801796	0.90650187
Psm11	1.21494948	0.75116289	0.8268855	-0.0757226	0.65803622	0.90650187
Srsf7	1.75172024	0.84567168	0.92170229	-0.0760306	0.64308424	0.90650187
Pdcl3	0.83029162	0.5925306	0.66856862	-0.076038	0.69343484	0.90650187
Eif3c	1.5868558	0.83031373	0.90644302	-0.0761293	0.64556437	0.90650187
Ywhae	3.31710137	0.72127601	0.79742072	-0.0761447	0.66440137	0.90650187
Sf3b6	1.62608704	0.83484019	0.9109979	-0.0761577	0.64492117	0.90650187
Morf4l2	2.43630384	0.8268066	0.90298225	-0.0761757	0.64618155	0.90650187
Park7	2.01685125	0.85074292	0.92694794	-0.076205	0.64262205	0.90650187
Eif4h	1.54654178	0.82469822	0.90094964	-0.0762514	0.64663508	0.90650187
Sgta	0.89132696	0.62380197	0.70019825	-0.0763963	0.68617785	0.90650187
Pdrg1	0.55382045	0.42632546	0.50284427	-0.0765188	0.75063732	0.90650187
Sec31a	0.72212817	0.53180805	0.60838024	-0.0765722	0.71210154	0.90650187

Selt	0.87114655	0.61330355	0.6899247	-0.0766212	0.68924694	0.90650187
Tor1aip2	0.66956104	0.5004284	0.5770824	-0.076654	0.72257595	0.90650187
Kars	0.62393398	0.4720035	0.54873022	-0.0767267	0.73290119	0.90650187
Snx5	0.82606566	0.58946107	0.66631711	-0.076856	0.69594613	0.90650187
Ppp5c	0.702151	0.51974572	0.59665209	-0.0769064	0.71668549	0.90650187
Ube2l3	1.39212276	0.79518588	0.87266322	-0.0774773	0.65346515	0.90650187
Aurkaip1	0.94865665	0.65066588	0.72822905	-0.0775632	0.68207119	0.90650187
Timm13	1.89960096	0.84872264	0.92698897	-0.0782663	0.64629831	0.90650187
Glo1	1.14720377	0.72736509	0.80563816	-0.0782731	0.66710023	0.90650187
Bag6	0.77044832	0.55738525	0.63594053	-0.0785553	0.70854826	0.90650187
Adgrl1	0.41148414	0.32118605	0.39992887	-0.0787428	0.80929592	0.9092537
Ndufs8	1.23582121	0.75413434	0.83306218	-0.0789278	0.66319386	0.90650187
Ddx39b	1.89426711	0.84795672	0.92693393	-0.0789772	0.6475734	0.90650187
Tm9sf3	1.4415646	0.80376914	0.88276803	-0.0789989	0.6546249	0.90650187
Vcp	2.27356453	0.83673905	0.91594174	-0.0792027	0.64966546	0.90650187
Eif4g1	1.18113382	0.73732078	0.81657292	-0.0792521	0.66693539	0.90650187
Cpsf6	0.82350944	0.58567195	0.66495154	-0.0792796	0.70195526	0.90650187
Setd3	0.6154426	0.46402016	0.5433268	-0.0793066	0.7417993	0.90650187
Ppp1r8	0.41999689	0.32715396	0.40649034	-0.0793364	0.80721171	0.9092537
Srsf11	1.77123054	0.84332974	0.92279187	-0.0794621	0.64907103	0.90650187
Dap3	0.62903007	0.47248442	0.55195365	-0.0794692	0.73893641	0.90650187
Pde6d	0.61856979	0.4658299	0.54532173	-0.0794918	0.74151992	0.90650187
Ewsr1	1.62486624	0.83128781	0.91086199	-0.0795742	0.65113051	0.90650187
Nono	1.9527959	0.84767494	0.92734495	-0.07967	0.64874361	0.90650187
Rhoa	2.23271174	0.83861293	0.91856386	-0.0799509	0.65060019	0.90650187
Psm4	1.76910851	0.84262227	0.92267881	-0.0800565	0.65014967	0.90650187
Mrpl30	1.14934111	0.72623569	0.80633398	-0.0800983	0.67061442	0.90650187
Ogfr	0.67579587	0.50069825	0.5808688	-0.0801705	0.73025197	0.90650187
Chmp1a	0.73311901	0.53455176	0.61474796	-0.0801962	0.71902454	0.90650187
Tcf12	0.60489071	0.45595116	0.5365533	-0.0806021	0.74787835	0.90650187

Rpl7a	3.5658161	0.67914473	0.75980604	-0.0806613	0.68151781	0.90650187
Clns1a	0.79084566	0.56649002	0.64724472	-0.0807547	0.7104379	0.90650187
Polr2f	1.566841	0.82299951	0.90391475	-0.0809152	0.65466828	0.90650187
Hint1	2.86539408	0.77470965	0.8556796	-0.0809699	0.66300272	0.90650187
Rps17	4.45475252	0.53203465	0.61316971	-0.0811351	0.72181636	0.90650187
Pdcd6ip	0.69214803	0.50906934	0.59070459	-0.0816352	0.73051849	0.90650187
Sdha	1.15076889	0.72505087	0.80679788	-0.081747	0.67380384	0.90650187
Snrnp70	1.35784899	0.78320898	0.86495929	-0.0817503	0.66281926	0.90650187
Cript	0.88373705	0.61423203	0.69635617	-0.0821241	0.69996109	0.90650187
Wbp4	0.94472692	0.64383953	0.72637282	-0.0825333	0.69326517	0.90650187
Dctn1	0.57954067	0.43722954	0.52001672	-0.0827872	0.76044816	0.90650187
Smim7	1.16685157	0.72909344	0.81197269	-0.0828793	0.67500267	0.90650187
Esd	1.77947652	0.8402293	0.92322254	-0.0829932	0.6552886	0.90650187
Chmp4b	1.21931611	0.74512868	0.82818097	-0.0830523	0.67213557	0.90650187
Atxn10	1.53062064	0.81522453	0.89840721	-0.0831827	0.65968901	0.90650187
Pnkd	0.88936713	0.61594782	0.69921117	-0.0832634	0.70173288	0.90650187
Ube2d3	2.42433792	0.82026936	0.90399601	-0.0837267	0.65973679	0.90650187
Tomm22	1.31064366	0.76974117	0.85346835	-0.0837272	0.66862665	0.90650187
Cetn3	1.35118916	0.77959645	0.86340797	-0.0838115	0.66696124	0.90650187
Rnf10	1.31557411	0.77085156	0.85469721	-0.0838457	0.66862271	0.90650187
Rps21	3.80566758	0.63303175	0.71703676	-0.084005	0.69875689	0.90650187
Zmat2	0.92821493	0.63442287	0.71844617	-0.0840233	0.69844033	0.90650187
Mtpn	0.92393106	0.631454	0.71636365	-0.0849097	0.70087957	0.90650187
Ndufs5	2.11890397	0.83905623	0.92404617	-0.0849899	0.65868924	0.90650187
Bloc1s2	0.5032067	0.38276726	0.46783442	-0.0850672	0.79055617	0.90650187
Aamp	1.52983753	0.812987	0.8982805	-0.0852935	0.66353094	0.90650187
Qrich1	0.65513828	0.48275855	0.56824257	-0.085484	0.74818154	0.90650187
Uqcrc2	1.2981737	0.76472091	0.85032628	-0.0856054	0.67276282	0.90650187
Atp5a1	2.70528905	0.79162155	0.87725728	-0.0856357	0.66784464	0.90650187
Eif3i	1.74693885	0.83569256	0.92140274	-0.0857102	0.66039322	0.90650187

Hnrnph1	1.32820587	0.77195236	0.85784098	-0.0858886	0.67187708	0.90650187
Luc7l2	1.65447337	0.82805911	0.91407797	-0.0860189	0.66215498	0.90650187
Pfn1	2.96092266	0.75571554	0.84206815	-0.0863526	0.67576514	0.90650187
Cct5	2.17274706	0.83540372	0.92179259	-0.0863889	0.66152724	0.90650187
Magoh	1.08011094	0.6955777	0.78204684	-0.0864691	0.68847793	0.90650187
Acp1	1.08007511	0.69540625	0.78203364	-0.0866274	0.68879883	0.90650187
Ptov1	1.18639511	0.73138472	0.81824997	-0.0868652	0.68151685	0.90650187
Srpk1	0.6313058	0.46644353	0.55338852	-0.086945	0.75755716	0.90650187
Ndufb6	1.39957155	0.78723492	0.87425903	-0.0870241	0.67094261	0.90650187
Acin1	1.28311205	0.7592738	0.84636522	-0.0870914	0.67632805	0.90650187
AY036118	1.80708031	0.83741891	0.92455357	-0.0871347	0.66238343	0.90650187
Clta	2.29704613	0.82710908	0.91428835	-0.0871793	0.66417978	0.90650187
Vps72	0.77937582	0.55346885	0.64091122	-0.0874424	0.72791984	0.90650187
Commd3	0.94649095	0.63972869	0.72720679	-0.0874781	0.70359784	0.90650187
Hadhb	0.95763398	0.64471677	0.73244761	-0.0877308	0.70280467	0.90650187
Rps27rt	2.97025613	0.75305461	0.84079869	-0.0877441	0.67865272	0.90650187
Gtf2i	0.91470338	0.62385627	0.71185386	-0.0879976	0.70868759	0.90650187
Snrpg	2.73339011	0.78571812	0.8739909	-0.0882728	0.67328587	0.90650187
Gtf3a	0.71820635	0.51780927	0.60609398	-0.0882847	0.74136354	0.90650187
Tmbim6	2.22446765	0.83052028	0.91905697	-0.0885367	0.66577064	0.90650187
Strap	1.1504889	0.71805031	0.80670696	-0.0886567	0.68742681	0.90650187
Pcmt1	0.97720152	0.65238792	0.7411241	-0.0887362	0.70273424	0.90650187
Dcun1d5	0.98699963	0.65646946	0.74532442	-0.088855	0.70194043	0.90650187
Rnf187	1.16642584	0.72293145	0.8118369	-0.0889054	0.68681587	0.90650187
Glyr1	0.69826051	0.50529292	0.59434484	-0.0890519	0.74732463	0.90650187
Rps27l	2.51699419	0.8066677	0.89622609	-0.0895584	0.67156622	0.90650187
Eif4g2	2.41918272	0.81466789	0.90442897	-0.0897611	0.67046923	0.90650187
Cdc42	2.4283471	0.81379861	0.90365772	-0.0898591	0.67078002	0.90650187
Erh	2.74908658	0.782072	0.87202735	-0.0899553	0.67673694	0.90650187
Tardbp	1.02028227	0.66900709	0.75898269	-0.0899756	0.70090881	0.90650187

Gabarap	2.89904558	0.760673	0.85100785	-0.0903348	0.68150199	0.90650187
Gm10076	3.05294036	0.73907781	0.82982465	-0.0907468	0.68657193	0.90650187
Srp72	1.0986356	0.69775957	0.78876289	-0.0910033	0.69599311	0.90650187
Ndfip2	0.8804537	0.6036681	0.69468505	-0.0910169	0.71987121	0.90650187
Mrpl54	1.34648442	0.77118542	0.86230402	-0.0911186	0.68073737	0.90650187
Txndc15	0.76515827	0.54168715	0.63297808	-0.0912909	0.73929233	0.90650187
C1d	1.21081603	0.73423261	0.82566388	-0.0914313	0.68874341	0.90650187
2310036O22	1.6263196	0.81958124	0.91102375	-0.0914425	0.67228099	0.90650187
Uba2	0.98234481	0.65174099	0.74333375	-0.0915928	0.70807943	0.90650187
Sf3b4	0.84157941	0.58281824	0.67454434	-0.0917261	0.7272523	0.90650187
Mum1	0.59936296	0.4411891	0.53297979	-0.0917907	0.77805172	0.90650187
Rps18	5.18468825	0.47001219	0.56181594	-0.0918038	0.76621424	0.90650187
Mapk1	0.89493933	0.60970047	0.70201367	-0.0923132	0.72058732	0.90650187
Ociad1	1.23703356	0.74105307	0.83341717	-0.0923641	0.68888338	0.90650187
Mrps17	1.07311366	0.68676418	0.7794593	-0.0926951	0.70148692	0.90650187
Ap2b1	0.84500233	0.58344032	0.67634414	-0.0929038	0.72928643	0.90650187
Rab1a	1.5732451	0.81190326	0.90482226	-0.092919	0.67599667	0.90650187
Rpl5	3.27394189	0.71021672	0.8032201	-0.0930034	0.69663564	0.90650187
Anapc5	1.69150042	0.8235007	0.91756743	-0.0940667	0.67571603	0.90650187
Fkbp8	1.52365391	0.80315307	0.89727447	-0.0941214	0.67951063	0.90650187
Sap18	1.22976498	0.7371231	0.8312816	-0.0941585	0.69271109	0.90650187
Snrpe	2.07093938	0.83150092	0.92570331	-0.0942024	0.67450901	0.90650187
Psenen	1.53743896	0.80516551	0.89950385	-0.0943383	0.67948071	0.90650187
Rps15	4.40146469	0.52574127	0.62012022	-0.0943789	0.75066925	0.90650187
Ndufa2	2.65281448	0.78849394	0.88292397	-0.09443	0.68277192	0.90650187
Adh5	0.92352457	0.62140979	0.71616568	-0.0947559	0.72180038	0.90650187
Sumo2	2.98182142	0.74445108	0.83922199	-0.0947709	0.6921766	0.90650187
Fam96a	0.89365879	0.60643677	0.70137071	-0.0949339	0.72632456	0.90650187
Nipbl	0.74381277	0.52591438	0.62088739	-0.094973	0.75175246	0.90650187
Psmid8	1.56943155	0.8092926	0.90428307	-0.0949905	0.67974613	0.90650187

Hp1bp3	1.0078667	0.65889722	0.75394836	-0.0950511	0.71241807	0.90650187
Nsd1	0.8282596	0.57212428	0.66748693	-0.0953627	0.73733006	0.90650187
1110004F10I	1.85222229	0.83031692	0.92598046	-0.0956635	0.67698272	0.90650187
Csnk2a1	1.15191459	0.71148684	0.80716959	-0.0956827	0.70089867	0.90650187
Sdhd	1.09453391	0.69114593	0.78730255	-0.0961566	0.70642162	0.90650187
Eif3h	2.35845853	0.81330292	0.90953976	-0.0962368	0.68095894	0.90650187
Ppig	1.31361626	0.75788073	0.85421015	-0.0963294	0.69193117	0.90650187
Ppp1cc	1.4729936	0.79225794	0.88865757	-0.0963996	0.68518571	0.90650187
Uqcrc1	1.60200853	0.81177156	0.9082116	-0.09644	0.68155963	0.90650187
Snrpb	2.14885938	0.82618055	0.92285546	-0.0966749	0.67928674	0.90650187
Rpl31	4.46588378	0.51473196	0.61147373	-0.0967418	0.75907904	0.90650187
Hnrnpl	1.19009371	0.72244742	0.81942323	-0.0969758	0.70059815	0.90650187
Trappc3	0.82492226	0.56851248	0.66570663	-0.0971942	0.74185185	0.90650187
Rab14	1.73771271	0.82299613	0.92081122	-0.0978151	0.68162362	0.90650187
Rpl38	4.63682686	0.49061269	0.58848699	-0.0978743	0.77015933	0.90650187
Tmem50a	1.4279174	0.7821256	0.88009358	-0.097968	0.68965213	0.90650187
Tm2d2	1.09476167	0.68909426	0.7873838	-0.0982895	0.71053468	0.90650187
Nhp2l1	1.64081481	0.81336382	0.91261003	-0.0992462	0.6856151	0.90650187
Slirp	1.36910522	0.76824537	0.86755122	-0.0993059	0.69457993	0.90650187
Ndufa13	2.53740814	0.79469982	0.89428273	-0.0995829	0.68971433	0.90650187
Spcs1	2.25661927	0.81714917	0.91707166	-0.0999225	0.68594378	0.90650187
Rad23b	1.17891512	0.71571941	0.81586286	-0.1001435	0.70735633	0.90650187
Srrm2	2.13503473	0.82319566	0.92340434	-0.1002087	0.68525374	0.90650187
Ndufv2	1.61317272	0.80909495	0.9095217	-0.1004268	0.68824115	0.90650187
Rps29	5.55524235	0.5244172	0.62493847	-0.1005213	0.7627187	0.90650187
Ndufb5	1.90201149	0.82590718	0.92701221	-0.101105	0.68611295	0.90650187
Ubxn1	1.2864762	0.74605928	0.84726502	-0.1012057	0.70230008	0.90650187
Pcnp	1.21558915	0.7257479	0.82707403	-0.1013261	0.7069988	0.90650187
Dynlrb1	1.92020682	0.82576799	0.9271628	-0.1013948	0.6865777	0.90650187
Psm7	2.36797392	0.80716818	0.90875482	-0.1015866	0.69039113	0.90650187

Rnf7	1.49914995	0.79134651	0.89318543	-0.1018389	0.69387967	0.90650187
Glrx3	1.40827451	0.77374301	0.87608886	-0.1023458	0.69823871	0.90650187
Ppia	4.83903665	0.45914161	0.56156186	-0.1024202	0.79126267	0.90660917
Mrpl52	1.75736203	0.81878318	0.92203632	-0.1032531	0.69070017	0.90650187
Rpl10	5.013311	0.43967599	0.54380901	-0.104133	0.80269342	0.90870476
Paip2	1.78248387	0.81922315	0.9233749	-0.1041517	0.69196947	0.90650187
Brk1	1.51930693	0.79230192	0.89656045	-0.1042585	0.69741049	0.90650187
Gm9843	2.24988629	0.81312598	0.91751194	-0.104386	0.69349434	0.90650187
Rbbp4	1.40644439	0.77111516	0.87570588	-0.1045907	0.70227848	0.90650187
Tmed2	2.48111824	0.7945892	0.89925373	-0.1046645	0.69757061	0.90650187
St13	1.8762188	0.82136426	0.92659627	-0.105232	0.6931785	0.90650187
Psmc7	1.42127488	0.77333699	0.87877287	-0.1054359	0.7031173	0.90650187
Ndufs2	1.52046997	0.79121381	0.89675196	-0.1055382	0.69958264	0.90650187
Txndc9	1.05759384	0.66804633	0.7736116	-0.1055653	0.72795417	0.90650187
Ndufc2	2.06112726	0.81990672	0.92599266	-0.1060859	0.69473215	0.90650187
Ywhab	1.67997406	0.81040214	0.91668014	-0.106278	0.69686826	0.90650187
Tmem234	1.37898663	0.76238268	0.86976481	-0.1073821	0.70844907	0.90650187
Spag7	1.19786019	0.71435531	0.82179685	-0.1074415	0.71945311	0.90650187
Atp5j2	3.04573227	0.72265975	0.83074476	-0.108085	0.71850321	0.90650187
Rbm39	3.15213533	0.709894	0.81818381	-0.1082898	0.72186584	0.90650187
Ndufs7	1.48215751	0.78041971	0.89026443	-0.1098447	0.70833197	0.90650187
Ei24	0.92181585	0.60496807	0.71533279	-0.1103647	0.7536081	0.90650187
Denr	1.26413744	0.73077951	0.84118339	-0.1104039	0.72021429	0.90650187
Pdcd6	1.11003942	0.68226726	0.79279009	-0.1105228	0.73229268	0.90650187
Myeov2	2.07383371	0.81457713	0.9256136	-0.1110365	0.70308505	0.90650187
Arpp19	1.75782224	0.81089363	0.92206203	-0.1111684	0.70401535	0.90650187
Ube3a	1.24094768	0.72253539	0.83455998	-0.1120246	0.72466027	0.90650187
Appbp2	0.68156417	0.47152214	0.58435406	-0.1128319	0.80466267	0.90882608
Bcas2	1.34692841	0.74914277	0.86240848	-0.1132657	0.72034625	0.90650187
Rheb	1.49443991	0.77869298	0.8923827	-0.1136897	0.71442922	0.90650187

Sdhb	1.58318556	0.79186293	0.90601052	-0.1141476	0.71229391	0.90650187
Rps10	4.0559603	0.56059508	0.67502962	-0.1144345	0.77446799	0.90650187
Akr1a1	2.42735602	0.78927314	0.90374148	-0.1144683	0.71331071	0.90650187
Capzb	1.66432117	0.80024835	0.91513478	-0.1148864	0.71161312	0.90650187
Rrp1	1.53413527	0.78396475	0.89897396	-0.1150092	0.71523492	0.90650187
Dctn2	1.25020258	0.72181042	0.83722896	-0.1154185	0.73001603	0.90650187
Vps29	1.11172907	0.67753663	0.79338268	-0.1158461	0.74187179	0.90650187
Csnk1a1	2.12750062	0.80646115	0.92370836	-0.1172472	0.71371997	0.90650187
Atp5j	2.82853673	0.74353506	0.86094156	-0.1174065	0.72782457	0.90650187
Rpl6	4.8245983	0.44586959	0.56332671	-0.1174571	0.82302025	0.9092537
Eci2	0.95043902	0.6115677	0.72906903	-0.1175013	0.76315304	0.90650187
Hnrnpc	1.93376015	0.80923914	0.9272524	-0.1180133	0.71423552	0.90650187
Srsf1	1.05195801	0.65338318	0.77145286	-0.1180697	0.75187226	0.90650187
Psm6	1.48339871	0.77212839	0.89048032	-0.1183519	0.72269173	0.90650187
Psm3	2.15070554	0.80428743	0.92278031	-0.1184929	0.71595064	0.90650187
Rala	1.1418866	0.68518063	0.80389264	-0.118712	0.74424531	0.90650187
Psm3	1.00750312	0.63375817	0.75379977	-0.1200416	0.76051397	0.90650187
Eif5a	2.89803777	0.73090676	0.85115762	-0.1202509	0.73502151	0.90650187
Eif3f	2.69869454	0.75695597	0.87799099	-0.121035	0.73001121	0.90650187
Srrm1	1.49330984	0.77009934	0.89218948	-0.1220901	0.72852278	0.90650187
Drg1	0.86105472	0.56173668	0.68472035	-0.1229837	0.78770462	0.90650187
Cfdp1	1.48819238	0.76780117	0.89131026	-0.1235091	0.73106225	0.90650187
Naca	3.58584946	0.63262729	0.7564368	-0.1238095	0.76658084	0.90650187
Atp5d	2.34320779	0.78608102	0.91075296	-0.1246719	0.72858995	0.90650187
Pafah1b2	1.18463742	0.69236119	0.81769076	-0.1253296	0.75218748	0.90650187
Sf3b1	1.57277574	0.7786635	0.90475609	-0.1260926	0.73222892	0.90650187
Ccnl2	1.17692658	0.68888519	0.81522501	-0.1263398	0.75457567	0.90650187
Rpl35a	4.8613317	0.43186657	0.55852759	-0.126661	0.84331112	0.91291642
Gm10709	2.85636989	0.72942671	0.85689006	-0.1274634	0.74578647	0.90650187
Snx17	1.09377908	0.65949629	0.78703311	-0.1275368	0.76436058	0.90650187

Ubap2l	1.27790209	0.71738471	0.84496463	-0.1275799	0.74896467	0.90650187
Ndufa4	2.83598612	0.73211086	0.85985362	-0.1277428	0.74551882	0.90650187
Rpl8	4.4295922	0.4871637	0.61692698	-0.1297633	0.82512662	0.90934433
Mrpl17	1.28395383	0.71669991	0.84659071	-0.1298908	0.75240611	0.90650187
Grpel1	1.10119835	0.65939304	0.78967213	-0.1302791	0.76835201	0.90650187
Snrpd3	1.524317	0.76696599	0.89738282	-0.1304168	0.74088652	0.90650187
Cdc37	1.62275383	0.7801234	0.91062227	-0.1304989	0.73796625	0.90650187
Fam104a	1.33764211	0.72929915	0.86016557	-0.1308664	0.75059358	0.90650187
Polr2m	1.56511198	0.76944855	0.90366799	-0.1342194	0.7454675	0.90650187
Rpl30	3.56005489	0.62608161	0.76077012	-0.1346885	0.78437677	0.90650187
Csde1	1.34299323	0.72637054	0.86147184	-0.1351013	0.75715721	0.90650187
Rps6	4.67861893	0.44741606	0.58327235	-0.1358563	0.84977628	0.91470896
Sarnp	1.64853234	0.77727596	0.91343466	-0.1361587	0.74622983	0.90650187
Hnrnpk	3.26555944	0.66796837	0.80432756	-0.1363592	0.77447695	0.90650187
Tcp1	1.6843623	0.78053479	0.91702146	-0.1364867	0.74590878	0.90650187
Gdi2	1.86096931	0.78939767	0.92622116	-0.1368235	0.74431792	0.90650187
Psmb3	1.69831052	0.78101937	0.91807774	-0.1370584	0.74655164	0.90650187
Psmb1	2.68874617	0.74150185	0.87909325	-0.1375914	0.75672442	0.90650187
U2af1	1.54862561	0.76324637	0.90127768	-0.1380313	0.75201609	0.90650187
Bud31	1.25990006	0.70140733	0.83998752	-0.1385802	0.76835224	0.90650187
Rpl26	4.69660216	0.44126353	0.58100791	-0.1397444	0.85752373	0.91715518
Cox5b	2.76837638	0.72915509	0.86966129	-0.1405062	0.76369878	0.90650187
Rbx1	2.42439689	0.76268038	0.90399105	-0.1413107	0.7564508	0.90650187
Ndufb9	2.06828772	0.7829037	0.92578285	-0.1428791	0.75367662	0.90650187
Vdac3	1.46663778	0.7445896	0.88750282	-0.1429132	0.76296393	0.90650187
Serbp1	2.75153312	0.72818841	0.87172022	-0.1435318	0.76791107	0.90650187
Cops4	1.08480486	0.63985493	0.78377228	-0.1439174	0.79283811	0.90693771
Plekhj1	1.15926692	0.66411601	0.80954375	-0.1454277	0.78774342	0.90650187
Tceb1	1.60544637	0.76230014	0.90861823	-0.1463181	0.76297101	0.90650187
Psmb2	1.89495757	0.77902159	0.92694133	-0.1479197	0.76096881	0.90650187

Uqcrh	2.86669095	0.70708907	0.85550539	-0.1484163	0.77971784	0.90650187
Rpl4	4.51009595	0.45615545	0.60486525	-0.1487098	0.86279857	0.91950555
Rpl14	4.91184098	0.40203698	0.55251279	-0.1504758	0.88700486	0.92936447
Cnbp	2.18192546	0.76970463	0.92134481	-0.1516402	0.76781904	0.90650187
Atxn7l3b	1.99915703	0.77446337	0.92711453	-0.1526512	0.76790884	0.90650187
Cox8a	3.38695228	0.63106669	0.78756598	-0.1564993	0.81148937	0.9092537
Rpl36	4.72657363	0.41712054	0.5770635	-0.159943	0.89105821	0.93109327
Atp5k	2.52149063	0.73570181	0.8958007	-0.1600989	0.78655526	0.90650187
Ndufs6	1.62049687	0.74976094	0.91036498	-0.160604	0.78356249	0.90650187
Ppp1ca	2.54608756	0.73275744	0.89344721	-0.1606898	0.78801673	0.90650187
Tpt1	4.50041076	0.44550024	0.60626721	-0.160767	0.88077386	0.92622922
Rps14	5.17637127	0.39258344	0.56082917	-0.1682457	0.90884202	0.9391141
Tma7	2.73193217	0.70515709	0.87417266	-0.1690156	0.80497562	0.90882608
Rsrp1	2.45276482	0.73253093	0.90160707	-0.1690761	0.79776751	0.9075779
Rps16	4.77316754	0.40078413	0.57028566	-0.1695015	0.90680477	0.9379403
Ndufa7	2.32269559	0.74184341	0.91235288	-0.1705095	0.79696759	0.9075779
Rps25	4.1155302	0.49377979	0.66534375	-0.171564	0.8741714	0.9235672
Ndufa3	2.35080435	0.73771941	0.91015143	-0.172432	0.80017286	0.90805731
Cox7a2	2.77992494	0.69545381	0.86826933	-0.1728155	0.81187553	0.9092537
Rpl7	4.24860679	0.46906932	0.64341504	-0.1743457	0.88582552	0.92839449
Ndufa5	1.68510255	0.74073956	0.91707861	-0.176339	0.80367365	0.90882608
Rpl29	3.26873808	0.62630464	0.80390775	-0.1776031	0.83698565	0.91092327
Rpl11	4.65598144	0.40807263	0.58622859	-0.178156	0.91165677	0.94039219
Tceb2	3.07667265	0.64838729	0.82678477	-0.1783975	0.83128106	0.9098597
Cox7c	3.5627607	0.57679552	0.7603173	-0.1835218	0.85837776	0.91744797
Atp5g2	2.79326357	0.68252188	0.8665772	-0.1840553	0.82747079	0.90947782
Psmb6	2.2642569	0.72841125	0.91656622	-0.188155	0.81927485	0.9092537
Cox4i1	3.58135658	0.56780461	0.7572067	-0.1894021	0.86692902	0.92056229
Tomm20	2.07788521	0.73276111	0.92548605	-0.1927249	0.82271499	0.9092537
Uqcr10	2.53678218	0.7007253	0.89434278	-0.1936175	0.83208452	0.91015207

Pcbp2	2.14030372	0.72922864	0.92319805	-0.1939694	0.82486053	0.90934433
Arf1	2.61382114	0.69244377	0.88691308	-0.1944693	0.83516219	0.91066681
Rpl13a	5.2711417	0.37603855	0.57214277	-0.1961042	0.93621433	0.95391072
Rab2a	2.05419806	0.72919172	0.92618873	-0.196997	0.82781461	0.90948322
Rpl27	3.97019112	0.48865202	0.6891444	-0.2004924	0.9020563	0.93591959
Rpl18	4.37969243	0.4197803	0.62259567	-0.2028154	0.92621814	0.94759147
Rps27	5.51674832	0.41422642	0.61719991	-0.2029735	0.92812805	0.94929851
Hsp90ab1	4.4625696	0.40743156	0.61197837	-0.2045468	0.93134633	0.95113723
Shfm1	3.13399636	0.61545562	0.82027407	-0.2048184	0.86651046	0.92056229
Ubb	5.39739407	0.38689304	0.59356305	-0.20667	0.93917626	0.95593613
Eef1a1	5.42753591	0.39220727	0.59947993	-0.2072727	0.93786397	0.95527138
Rplp2	4.68759625	0.37105685	0.58212941	-0.2110726	0.94651023	0.96073063
Eif1	4.28521443	0.42416814	0.6369265	-0.2127584	0.93122893	0.95113723
Fau	4.50713763	0.37597142	0.60529326	-0.2293218	0.95393482	0.96556047
Btf3	3.27997548	0.57283261	0.8024222	-0.2295896	0.89830988	0.93440169
Cox6b1	3.10832463	0.59265186	0.82349483	-0.230843	0.893654	0.93189602
Oaz1	3.61204972	0.51028167	0.75195106	-0.2416694	0.92346517	0.94620379
Morf4l1	3.27598148	0.55701879	0.80295045	-0.2459317	0.91334146	0.94082155
Atp5h	2.93976255	0.59783081	0.84506672	-0.2472359	0.9033063	0.93635703
Sumo1	2.02283658	0.65910895	0.9268503	-0.2677413	0.90046617	0.93504361
Pfdn5	2.75808861	0.59680141	0.87089584	-0.2740944	0.91911635	0.94387891
Eif4a1	3.55366367	0.4862677	0.76183989	-0.2755722	0.94608915	0.9604315
Rpl37a	5.59760749	0.33286817	0.63361865	-0.3007505	0.98257645	0.98679603
Rpl19	4.68282551	0.24933665	0.58272402	-0.3333874	0.99451126	0.99549359
Rpl41	6.41765137	0.33663335	1.25395647	-0.9173231	0.99942733	0.99942733

;

CPMs for all cellular genes.
of log-CPMs for all cellular genes.
biological component of the variance for all genes.
technical component of the variance for all genes.

	mean	total	tech	bio	p.value	FDR
pTimer	6.34342159	15.177556	1.48134956	13.6962064	0	0
tdTomato	6.68715591	13.2137418	2.19999791	11.0137439	1.27E-120	1.67E-117
eGFP	3.44139964	10.5570509	1.04235111	9.51469982	0	0
lapp	4.75706566	8.2767467	0.77215614	7.50459056	0	0
Ins2	5.05069627	7.63301892	0.6901717	6.94284723	0	0
Ins1	2.91965817	6.973443	1.10155648	5.87188652	1.89E-136	2.75E-133
Rbp4	3.75358641	6.47109126	1.00453975	5.46655151	4.14E-142	6.67E-139
Col1a1	1.6761	6.32605499	1.07691236	5.24914264	1.83E-114	2.21E-111
Pyx	4.37806505	5.94307395	0.8685308	5.07454315	1.85E-163	3.83E-160
Itm2a	1.95310755	6.14679116	1.11434915	5.03244201	1.41E-98	1.58E-95
Sparc	2.3695728	6.07343672	1.12954244	4.94389428	9.90E-93	8.97E-90
Col3a1	1.75244348	5.94597427	1.09058232	4.85539195	7.22E-96	6.98E-93
Meg3	5.21665646	5.27117394	0.67235955	4.59881439	3.91E-223	1.14E-219
Cdkn1c	2.71846087	5.68549269	1.11581279	4.5696799	1.85E-81	1.22E-78
Nnat	2.9514909	5.61063371	1.09904951	4.51158419	7.83E-82	5.68E-79
Ptn	1.73491787	5.59430675	1.08767316	4.50663359	2.50E-83	1.91E-80
Pcsk2	2.66265645	5.59876708	1.11919088	4.4795762	6.62E-78	3.84E-75
Dlk1	3.79799121	5.28524374	0.99897706	4.28626668	3.37E-89	2.87E-86
Chgb	2.69605984	5.35350824	1.11719597	4.23631227	3.81E-70	2.05E-67
Lgals1	2.2180535	5.31825829	1.12771599	4.19054231	1.90E-67	8.59E-65
H19	2.04219981	5.30254772	1.12034356	4.18220416	4.77E-68	2.23E-65
Chga	3.07656974	5.19139255	1.0878699	4.10352265	1.95E-69	1.01E-66
Sst	2.34207427	5.21143866	1.12947429	4.08196437	6.47E-64	2.76E-61
Dcn	1.47050327	5.10406449	1.02729253	4.07677196	1.27E-76	7.08E-74
Gcg	2.28725092	5.04821143	1.12893683	3.9192746	3.83E-59	1.54E-56
Col1a2	1.50674805	4.93559573	1.03739743	3.8981983	6.36E-69	3.18E-66
Ttr	3.01439223	4.89105593	1.09376588	3.79729005	3.80E-59	1.54E-56
Mest	1.77151434	4.51133459	1.09357501	3.41775957	2.50E-48	8.63E-46

mean variance for all transcripts = 0.343

mean: A numeric vector of mean log-CF
total: A numeric vector of the variances
bio: A numeric vector containing the bio
tech: A numeric vector containing the te

Vim	2.00558658	4.36212688	1.11815447	3.24397241	6.25E-42	1.89E-39
Xist	1.73024074	4.04837111	1.08687344	2.96149767	3.17E-37	8.66E-35
Tmsb4x	4.04640361	3.64172988	0.95281776	2.68891211	8.76E-40	2.49E-37
Tmsb15b2	1.56523543	3.57263754	1.05253902	2.52009852	3.39E-29	6.46E-27
Igf2	1.51325583	3.54889512	1.03916482	2.5097303	1.13E-29	2.28E-27
Serpinh1	2.22574749	3.61528623	1.12790325	2.48738298	4.59E-25	7.40E-23
Pcsk1n	2.34345161	3.60796718	1.12948255	2.47848463	7.79E-25	1.23E-22
S100a6	1.1217641	3.32313464	0.89550376	2.42763088	7.22E-37	1.94E-34
Sparcl1	1.17697758	3.28373495	0.92048387	2.36325108	2.83E-33	6.62E-31
Fos	1.95124765	3.41166797	1.11420302	2.29746495	3.75E-22	5.22E-20
Lum	1.06389014	3.15432928	0.86732232	2.28700696	5.45E-35	1.36E-32
Spp1	1.07471298	3.11970212	0.87275535	2.24694676	1.90E-33	4.50E-31
Ppy	1.01276673	3.08739684	0.84110455	2.24629229	7.69E-36	2.03E-33
Mafb	1.78371292	3.30274916	1.09540434	2.20734482	3.05E-21	4.02E-19
Mt1	0.88860146	2.76763275	0.77339966	1.99423309	1.51E-33	3.66E-31
Gsn	1.13186966	2.85206333	0.90019392	1.95186941	2.71E-24	4.14E-22
Cpe	3.17037481	2.99874019	1.0785133	1.9202269	5.43E-17	5.36E-15
Slc38a5	1.34780987	2.8939239	0.98793796	1.90598594	1.26E-19	1.50E-17
Ghrl	1.13897523	2.80761958	0.90345951	1.90416007	4.65E-23	6.74E-21
Col6a1	0.98619028	2.6992663	0.82735534	1.87191095	2.80E-26	4.77E-24
Isl1	1.80796832	2.9470935	1.09886452	1.84822898	2.32E-15	1.94E-13
Stmn1	1.62986249	2.89178933	1.0674236	1.82436573	8.41E-16	7.30E-14
Igfbp4	1.23580351	2.76683269	0.94541225	1.82142044	1.41E-19	1.67E-17
Cd24a	1.3393435	2.78336489	0.9849534	1.79841149	8.95E-18	9.68E-16
Gpc3	1.18126272	2.71232726	0.9223582	1.78996906	7.74E-20	9.51E-18
Anxa2	1.43395934	2.80322662	1.01637945	1.78684716	1.30E-16	1.24E-14
1700086L19F	1.7986961	2.79598145	1.09757148	1.69840997	2.81E-13	1.99E-11
Fam183b	1.95799439	2.80997132	1.11472786	1.69524346	6.94E-13	4.68E-11
Fstl1	1.12524505	2.57512825	0.89712653	1.67800172	1.46E-18	1.62E-16
Spint2	2.40149127	2.79822863	1.12918503	1.66904359	2.86E-12	1.80E-10

Pax6	1.79325593	2.7657464	1.09679577	1.66895063	6.74E-13	4.57E-11
Gng12	2.22979637	2.78957931	1.12799541	1.6615839	3.38E-12	2.09E-10
Mdk	1.83159077	2.74746291	1.10198309	1.64547982	1.74E-12	1.13E-10
Scg2	1.29824983	2.5777282	0.96990762	1.60782058	5.67E-15	4.60E-13
Hba-a1	1.11710647	2.48440341	0.89331981	1.5910836	5.29E-17	5.29E-15
Tmem27	1.36586758	2.54509572	0.9941552	1.55094052	1.82E-13	1.31E-11
Scg3	1.71286499	2.6316874	1.08380745	1.54787995	1.43E-11	8.31E-10
Ifitm2	2.49009268	2.64263827	1.12720476	1.51543351	1.88E-10	9.67E-09
Mt2	0.61907271	2.08799517	0.58916494	1.49883023	1.05E-32	2.33E-30
S100a10	1.59679804	2.54055591	1.06004388	1.48051203	3.84E-11	2.12E-09
Neurog3	0.51508447	1.98194283	0.50469576	1.47724707	1.21E-42	3.82E-40
Col6a2	0.91169633	2.26151162	0.78675436	1.47475726	1.24E-18	1.38E-16
Hba-a2	0.45834399	1.92232865	0.45572216	1.46660649	4.05E-51	1.43E-48
Hbb-bs	2.09140672	2.5883594	1.12296075	1.46539865	6.02E-10	2.91E-08
Krt8	2.02744399	2.56901903	1.11951366	1.44950537	8.09E-10	3.88E-08
Scgn	1.70821552	2.52969113	1.08296351	1.44672763	2.43E-10	1.23E-08
Cryba2	1.59328159	2.48921487	1.05922891	1.42998596	1.59E-10	8.26E-09
Hbb-bt	0.47209709	1.87035475	0.46777187	1.40258288	1.20E-44	3.85E-42
Dbpht2	1.43067095	2.40039992	1.0153584	1.38504152	1.04E-10	5.53E-09
Meis2	2.69909509	2.50140536	1.11699643	1.38440893	3.86E-09	1.67E-07
Ctrb1	1.35180792	2.36545449	0.98933119	1.3761233	4.57E-11	2.50E-09
Aplp1	1.89572618	2.47188201	1.10925376	1.36262825	5.23E-09	2.22E-07
Mfap2	1.33971404	2.34236418	0.98508492	1.35727926	6.85E-11	3.68E-09
Epcam	1.93477213	2.44810257	1.11285272	1.33524985	1.14E-08	4.60E-07
mt-Atp6	5.78373489	2.02295118	0.69711951	1.32583167	3.98E-19	4.57E-17
Bex2	2.16087636	2.44238815	1.12601679	1.31637135	2.57E-08	9.95E-07
Hmgb2	1.47271942	2.33594461	1.02792819	1.30801642	1.53E-09	7.00E-08
Crip1	1.42915555	2.32012224	1.0148858	1.30523644	1.04E-09	4.85E-08
Tuba1a	3.63036546	2.31601155	1.01847435	1.2975372	1.46E-09	6.76E-08
Ldha	1.27959909	2.25955112	0.96283571	1.29671541	1.75E-10	9.05E-09

Hmgn3	2.29841572	2.42305519	1.12905956	1.29399562	4.66E-08	1.73E-06
Clu	0.85105239	2.031121	0.75086589	1.28025511	9.81E-16	8.47E-14
Rcn3	1.15549739	2.14615843	0.9109236	1.23523482	1.33E-10	6.95E-09
Neurod1	1.59314805	2.28349196	1.05919784	1.22429413	3.62E-08	1.37E-06
Pdx1	1.47533132	2.25261449	1.02867389	1.22394061	1.48E-08	5.94E-07
Gpx3	1.80911843	2.31830536	1.09902202	1.21928334	1.18E-07	4.17E-06
Cald1	0.93723563	1.99385754	0.80108419	1.19277336	2.00E-12	1.27E-10
Ifitm1	0.76023383	1.86792709	0.69212474	1.17580235	1.24E-15	1.06E-13
Map1b	2.18540685	2.2936482	1.12688614	1.16676206	7.04E-07	2.25E-05
Ppic	1.21588067	2.10106134	0.9372263	1.16383504	3.62E-09	1.57E-07
Pcsk1	1.33426003	2.14664649	0.98314077	1.16350572	1.76E-08	6.96E-07
Mfap4	0.68281218	1.79978834	0.63737539	1.16241295	9.75E-18	1.05E-15
mt-Co1	5.46866269	1.82641718	0.67036753	1.15604965	4.70E-16	4.24E-14
Tubb3	1.33561766	2.13691541	0.98362638	1.15328902	2.35E-08	9.17E-07
Peg3	2.70509753	2.25696711	1.11659796	1.14036915	9.77E-07	3.04E-05
Ccnd2	1.29681495	2.10075637	0.96936518	1.13139118	2.70E-08	1.04E-06
B2m	1.15159417	2.03670725	0.90917655	1.1275307	3.78E-09	1.64E-07
Fabp5	1.42269196	2.14027872	1.01286619	1.12741253	1.08E-07	3.84E-06
Pcolce	0.93069975	1.91915836	0.79746136	1.121697	2.82E-11	1.58E-09
Krt7	1.73713322	2.20798841	1.08804851	1.11993991	8.11E-07	2.58E-05
Bgn	0.77883686	1.81962938	0.70464369	1.11498569	8.40E-14	6.12E-12
Hadh	2.08136713	2.23239673	1.12244735	1.10994938	2.04E-06	6.08E-05
Igfbp7	1.53011126	2.10326699	1.04368256	1.05958443	1.12E-06	3.46E-05
Nkx6-1	1.31224747	2.02326836	0.97513338	1.04813498	2.75E-07	9.32E-06
Krt18	1.77341414	2.13516706	1.09386401	1.04130305	4.60E-06	0.0001288
Cxcl12	0.87150112	1.78673996	0.76326477	1.02347519	2.09E-10	1.07E-08
Pmp22	0.80667372	1.7461736	0.72290947	1.02326413	2.13E-11	1.22E-09
Nrp1	0.86594764	1.78072104	0.75992706	1.02079398	1.95E-10	9.97E-09
Postn	0.66306147	1.63992341	0.62273512	1.0171883	1.37E-14	1.08E-12
Tspan7	1.61280988	2.07470334	1.06367609	1.01102726	4.75E-06	0.00013238

Akap12	0.8070103	1.7323008	0.72312688	1.00917392	3.97E-11	2.18E-09
Ppp1r1a	0.91732875	1.79135512	0.789952	1.00140312	1.75E-09	7.99E-08
Ociad2	1.13082559	1.90055234	0.89971126	1.00084107	1.09E-07	3.90E-06
Ifitm3	0.96152044	1.81282268	0.81430296	0.99851972	5.55E-09	2.33E-07
Tmsb10	4.86830855	1.73739945	0.74012523	0.99727421	1.72E-10	8.90E-09
Igf1	0.65806604	1.60664448	0.61898917	0.9876553	5.28E-14	3.88E-12
Scg5	1.45623132	2.00475252	1.02313352	0.981619	3.91E-06	0.0001108
Ndn	1.80150424	2.06919514	1.09796694	0.9712282	1.88E-05	0.00047034
Cd34	0.71228098	1.62795826	0.65871425	0.96924401	3.56E-12	2.20E-10
Lrpprc	1.20631723	1.90228226	0.9331935	0.96908876	6.55E-07	2.11E-05
Nfib	1.21387296	1.89806542	0.93638732	0.9616781	8.56E-07	2.71E-05
Kcnq1ot1	2.23374227	2.07864607	1.12808101	0.95056506	4.32E-05	0.00098989
Cystm1	1.85239363	2.0524726	1.1045131	0.94795951	3.19E-05	0.00075602
Sdf2l1	1.43061201	1.9608062	1.01534004	0.94546616	7.18E-06	0.00019429
Slc25a5	3.45153425	1.97564765	1.04094854	0.9346991	1.44E-05	0.00036586
Junb	1.2582039	1.88898732	0.95446234	0.93452499	2.54E-06	7.42E-05
Cdkn1a	0.63263424	1.53344396	0.59965466	0.9337893	2.01E-13	1.44E-11
Dbi	1.50945018	1.97113029	1.03812382	0.93300646	1.41E-05	0.00036108
Itih5	0.61433935	1.51404775	0.58547459	0.92857316	7.39E-14	5.41E-12
Csrp2	1.27671657	1.87426861	0.96172589	0.91254271	4.92E-06	0.0001369
Syt13	1.64730665	1.98060389	1.07112034	0.90948355	3.81E-05	0.00088581
Gng11	0.62267533	1.50142226	0.59196348	0.90945878	4.10E-13	2.82E-11
Pnliprp1	0.76999776	1.60031088	0.69872668	0.90158421	9.19E-10	4.32E-08
Ccdc80	0.680049	1.52807927	0.63534318	0.89273608	2.95E-11	1.65E-09
Jun	1.71031382	1.9713818	1.08334561	0.88803619	6.70E-05	0.0014646
Hist3h2ba	1.46432831	1.91318399	1.02550697	0.88767701	2.76E-05	0.00066337
Hspa5	3.69534978	1.89432505	1.0113304	0.88299465	2.37E-05	0.00058063
Maged2	1.89429007	1.98355756	1.10910708	0.87445048	0.00011975	0.00244179
Cthrc1	0.64433042	1.48138461	0.60860177	0.87278284	1.18E-11	6.98E-10
Sfrp1	0.65922496	1.4852197	0.61985976	0.86535993	3.91E-11	2.15E-09

Hes1	0.76320651	1.55895383	0.69414204	0.86481178	3.23E-09	1.41E-07
Tm4sf4	1.36967198	1.84764851	0.9954404	0.85220811	3.32E-05	0.00078459
Ebf1	0.68898676	1.49220154	0.64189714	0.8503044	3.38E-10	1.70E-08
Mlxipl	1.14149903	1.75425428	0.90461136	0.84964292	6.05E-06	0.00016639
Gch1	1.4283867	1.86158385	1.01464553	0.84693831	5.04E-05	0.00114245
Col4a1	0.96628478	1.6548134	0.81684792	0.83796548	8.79E-07	2.77E-05
Btg2	1.55281108	1.88593915	1.04948138	0.83645776	0.0001023	0.00212788
Emp3	0.7959985	1.55128763	0.71597115	0.83531648	2.73E-08	1.05E-06
Apoe	0.6151126	1.41622169	0.58607849	0.8301432	2.07E-11	1.19E-09
Ubqln2	1.69872664	1.90734083	1.08121017	0.82613066	0.00018557	0.00367033
Gm42418	1.77427739	1.91895378	1.09399481	0.82495897	0.00022136	0.00432522
Peg10	0.64880316	1.43185359	0.61199828	0.81985531	2.17E-10	1.10E-08
Id3	0.44494609	1.26098173	0.44387472	0.81710701	4.89E-18	5.38E-16
Gas1	0.72554401	1.48393053	0.66811875	0.81581178	6.40E-09	2.66E-07
Sepp1	1.69874505	1.89556045	1.08121361	0.81434684	0.00022489	0.00438266
S100a16	0.77537638	1.51409898	0.70233396	0.81176502	3.63E-08	1.37E-06
Mid1ip1	1.62063844	1.85608945	1.06540877	0.79068069	0.00027253	0.00524017
Manf	2.93095882	1.88821377	1.10066484	0.78754893	0.00042869	0.00787732
Slc30a8	0.89484273	1.55085891	0.77704664	0.77381227	1.75E-06	5.24E-05
Prkcdbp	0.7024788	1.4230616	0.65168389	0.77137772	1.75E-08	6.94E-07
Pam	1.59331361	1.82801752	1.05923636	0.76878116	0.00036058	0.0067107
Atp1b1	1.50685307	1.80586493	1.03742573	0.7684392	0.0002793	0.00532801
Sec61b	3.90291136	1.74961146	0.98269274	0.76691872	0.00013847	0.00279222
mt-Nd2	3.51638837	1.7872787	1.03238347	0.75489523	0.00032878	0.00616637
Fbln1	0.70738314	1.40969867	0.65520962	0.75448905	4.05E-08	1.52E-06
Gpx8	0.75531318	1.43560912	0.68877198	0.74683714	2.19E-07	7.50E-06
mt-Co3	5.92601206	1.47814533	0.73833669	0.73980864	1.52E-06	4.61E-05
Hist1h2bc	0.99546664	1.57086453	0.83216065	0.73870388	1.77E-05	0.00044302
Pak3	1.15002937	1.64308013	0.90847333	0.7346068	8.25E-05	0.001767
Smoc2	0.47033364	1.19971989	0.46623293	0.73348696	1.15E-13	8.37E-12

Tubb4b	2.25849824	1.85684279	1.12854336	0.72829943	0.00132084	0.02106654
Hhex	0.52826541	1.24333837	0.51578815	0.72755023	2.49E-11	1.41E-09
Emb	1.27430041	1.68436043	0.96079167	0.72356876	0.00022521	0.00438266
Abcc8	1.21346426	1.65895444	0.93621621	0.72273822	0.0001612	0.00321916
Gadd45a	0.79570199	1.42666481	0.71577725	0.71088756	1.85E-06	5.55E-05
Ube2c	0.38961647	1.09155451	0.39384977	0.69770474	7.70E-17	7.45E-15
Plagl1	0.77873773	1.39417707	0.70457765	0.68959941	2.56E-06	7.45E-05
2810417H13	0.44387418	1.12556621	0.4429222	0.68264402	3.47E-13	2.41E-11
Clps	0.98166152	1.50276988	0.8249867	0.67778319	6.47E-05	0.00142532
mt-Nd1	4.61368622	1.48688998	0.81061033	0.67627965	5.08E-05	0.0011501
Fscn1	0.7886126	1.38262531	0.71112206	0.67150325	5.43E-06	0.00015047
Ccl21a	0.14896758	0.82710074	0.1579942	0.66910654	5.88E-87	4.74E-84
Mgst1	0.96013327	1.48249575	0.81355886	0.6689369	6.39E-05	0.00140958
Tuba4a	1.16961251	1.58053768	0.91723447	0.66330322	0.00037702	0.00696304
Penk	0.37310985	1.03767896	0.3785936	0.65908537	2.52E-16	2.31E-14
Id2	0.72809676	1.32548443	0.66991441	0.65557002	2.57E-06	7.46E-05
mt-Nd4	4.32856342	1.53243294	0.88206707	0.65036587	0.00029613	0.00561221
Zbtb20	1.67200218	1.72363405	1.07610816	0.64752589	0.00252817	0.03691186
Cpa1	0.41354417	1.06212665	0.41569738	0.64642927	2.16E-13	1.55E-11
Mmp14	0.91317614	1.43302178	0.78759674	0.64542504	6.73E-05	0.00146692
Cks2	0.54273586	1.17251231	0.52783892	0.6446734	6.35E-09	2.64E-07
Mgp	0.32515553	0.97444246	0.33344046	0.64100201	1.68E-19	1.98E-17
Cyba	1.03718337	1.49465351	0.85367066	0.64098286	0.00023421	0.00453357
Cplx2	1.26633191	1.59602291	0.95768256	0.63834035	0.0009501	0.01578698
Cav1	0.30524002	0.93718823	0.3143375	0.62285072	1.33E-20	1.68E-18
Sytl4	0.75775182	1.31210457	0.69043567	0.6216689	1.36E-05	0.00035023
Rbp1	0.83971941	1.36346167	0.74386269	0.61959898	5.21E-05	0.00117444
Igfbp5	0.57941767	1.17553761	0.55778506	0.61775255	1.24E-07	4.35E-06
Acta2	0.33829756	0.96186624	0.34593453	0.61593171	5.42E-17	5.36E-15
Rarres2	0.53824931	1.12576073	0.52411705	0.60164367	4.44E-08	1.66E-06

Pdia6	2.93633565	1.70106924	1.10023608	0.60083316	0.00547605	0.07069615
Auts2	1.15955827	1.51220001	0.9127416	0.59945841	0.00110728	0.01805781
Anxa4	1.60380497	1.65466805	1.0616492	0.59301885	0.00462864	0.0617919
Islr	0.532395	1.11038502	0.51924098	0.59114404	5.66E-08	2.08E-06
Nrk	0.51397234	1.0942431	0.50375496	0.59048814	2.37E-08	9.22E-07
Tuba1b	2.7890895	1.70056363	1.11124749	0.58931614	0.00674193	0.08397299
Krt19	0.56291627	1.13309573	0.54442187	0.58867385	2.36E-07	8.06E-06
Tubb6	0.50334453	1.08196837	0.4947249	0.58724347	1.60E-08	6.39E-07
Cd63	3.47994785	1.61961767	1.03700039	0.58261728	0.00442844	0.05955793
Ccnd3	1.38006662	1.58025402	0.99895953	0.58129449	0.00335365	0.0471593
Sdpr	0.51654604	1.08714878	0.50593097	0.5812178	4.34E-08	1.62E-06
Gpx1	1.32670731	1.55528697	0.98041905	0.57486792	0.00314979	0.0449023
mt-Co2	4.91634259	1.29645364	0.72611382	0.57033983	0.00012638	0.00256612
Ambp	0.6906996	1.2114935	0.64314672	0.56834678	1.92E-05	0.00047789
Crip2	0.71227045	1.22587602	0.65870674	0.56716929	3.02E-05	0.00071932
Alas2	0.09069145	0.65857072	0.09697654	0.56159418	1.27E-160	2.29E-157
Ier2	1.42308128	1.5707566	1.01298824	0.55776836	0.00515446	0.06738445
Vwa5b2	1.0776086	1.43075823	0.8741956	0.55656263	0.00150778	0.02354648
Zeb2	0.56068207	1.08854611	0.54259896	0.54594715	1.38E-06	4.22E-05
Fxyd3	1.03382698	1.39735527	0.85193127	0.54542399	0.00142835	0.0225335
Calr	3.45675347	1.5829688	1.04022505	0.54274376	0.00753212	0.09262144
Tpm4	1.09263795	1.41925198	0.88159929	0.53765269	0.00224647	0.03330193
Cd81	3.32275336	1.59580459	1.05903111	0.53677349	0.00910304	0.10874825
Plvap	0.22051358	0.76718268	0.23092028	0.53626239	1.39E-27	2.49E-25
H2afz	3.13308687	1.61654388	1.08221484	0.53432904	0.01071591	0.12408885
Pcbd1	1.45010755	1.5513374	1.02130514	0.53003226	0.0078057	0.0953387
Tubb2a	1.5978421	1.58881747	1.06028464	0.52853282	0.01010575	0.1184423
Ssr2	3.13755102	1.59852377	1.08177759	0.51674618	0.01302403	0.14469148
Mfap5	0.34997061	0.87321522	0.3569577	0.51625752	8.02E-12	4.81E-10
Eln	0.52728712	1.0261844	0.51496857	0.51121583	1.87E-06	5.60E-05

Fbn2	0.49924344	0.99370112	0.49122132	0.50247981	9.41E-07	2.94E-05
Tpm2	0.52414337	1.01389513	0.51233071	0.50156442	2.55E-06	7.42E-05
Rrbp1	2.07010567	1.62294595	1.12183333	0.50111262	0.0187121	0.19226646
Sox4	1.46953775	1.52693455	1.02701473	0.49991982	0.01166972	0.13260663
Top2a	0.30078545	0.80588891	0.31003769	0.49585122	4.63E-14	3.46E-12
Zcchc18	0.92516006	1.28755857	0.79436613	0.49319244	0.00191056	0.02894551
Tinagl1	0.4369307	0.92690223	0.43673686	0.49016537	8.53E-08	3.10E-06
Cenpa	0.34010824	0.83691425	0.34764916	0.48926509	2.75E-11	1.55E-09
Cldn7	1.20004672	1.41788391	0.93051437	0.48736954	0.0073399	0.09071937
Ccnb2	0.29477085	0.78970139	0.30421615	0.48548524	5.23E-14	3.87E-12
mt-Cytb	5.13897555	1.16436784	0.67926236	0.48510548	0.00043853	0.00801747
Tyrobp	0.14896082	0.64158614	0.1579872	0.48359894	1.91E-46	6.45E-44
Mif	2.41465136	1.61050784	1.12900156	0.48150628	0.02346202	0.22557166
Snca	0.10047078	0.58850336	0.10740572	0.48109763	5.17E-97	5.35E-94
S100a11	3.32982319	1.53720248	1.0581423	0.47906019	0.01746042	0.18264153
Snhg18	0.67389177	1.10962776	0.63079665	0.47883111	0.00020269	0.0039765
Cela2a	0.17787209	0.66601748	0.18771181	0.47830567	8.33E-33	1.89E-30
Laptm4a	2.93400602	1.57821806	1.1004222	0.47779586	0.02154273	0.21203425
Immp1l	1.76117308	1.56879317	1.09197412	0.47681905	0.0209575	0.20789599
Arcp1b	1.50999281	1.51121577	1.03827273	0.47294305	0.01691082	0.17869756
Ap1s2	1.39017582	1.4716333	1.00235709	0.4692762	0.01458472	0.15815205
Igfbp3	0.38484381	0.85778966	0.38945414	0.46833552	1.06E-08	4.30E-07
Egfl7	0.48546308	0.94584267	0.47937404	0.46646863	2.90E-06	8.34E-05
Ero1lb	0.83733701	1.20622502	0.74237858	0.46384644	0.00180161	0.02755246
Rpl39	4.5038592	1.29442925	0.83838867	0.45604058	0.0056348	0.07233093
Col5a2	0.5371912	0.97777398	0.52323739	0.45453659	2.59E-05	0.00062722
Gas6	0.54630839	0.9840006	0.5307932	0.4532074	3.48E-05	0.00081537
Rpl36a	4.08572723	1.39639081	0.94381343	0.45257738	0.01273972	0.14251576
Birc5	0.31361731	0.77383335	0.32239721	0.45143614	3.43E-11	1.91E-09
Txnip	1.43931609	1.46827265	1.01802968	0.45024297	0.01967513	0.19891914

Capn6	0.4471952	0.89184746	0.44587108	0.44597638	1.58E-06	4.77E-05
Gnas	5.90352776	1.15669574	0.71119388	0.44550186	0.00175901	0.02695792
Col14a1	0.4360034	0.88115242	0.43590872	0.4452437	9.74E-07	3.04E-05
Egr1	1.15332475	1.35405516	0.90995239	0.44410278	0.01148904	0.13125935
Anxa5	2.261894	1.57235387	1.1285949	0.44375897	0.03348488	0.2936188
Phgdh	0.57329394	0.99571414	0.55284599	0.44286815	9.49E-05	0.00198602
Col5a1	0.49045559	0.92569262	0.48367939	0.44201324	1.03E-05	0.00027185
Pecam1	0.24259649	0.69370852	0.25298446	0.44072406	2.40E-16	2.22E-14
Tpm1	1.22992869	1.37970205	0.94302467	0.43667738	0.01548838	0.16599537
Timp3	0.51163966	0.93795552	0.50177909	0.43617643	2.56E-05	0.00062131
Olfml3	0.5061794	0.93116772	0.49714057	0.43402716	2.38E-05	0.00058063
Akr1c19	1.13029136	1.33310076	0.89946472	0.43363604	0.0123489	0.13867887
Gadd45g	0.9861531	1.25837006	0.82733595	0.43103411	0.0076066	0.09337756
Lmna	1.39388245	1.43352449	1.00358801	0.42993648	0.02297308	0.22241326
Agtr2	0.32930438	0.76715216	0.3373944	0.42975776	1.48E-09	6.79E-08
Mxra8	0.54726002	0.96024732	0.53157883	0.42866848	8.60E-05	0.0018278
Ramp2	0.84767459	1.17446827	0.74878846	0.42567981	0.00404168	0.05512347
Nusap1	0.20428608	0.63943904	0.21456843	0.42487061	1.41E-20	1.77E-18
Gast	0.28347544	0.71749282	0.29323454	0.42425828	7.88E-12	4.74E-10
Copz2	0.68771867	1.06517086	0.64097069	0.42420016	0.00102349	0.01684291
Cldn4	0.91020391	1.21003922	0.78590316	0.42413606	0.00596283	0.07569976
Eng	0.36167057	0.79107303	0.36793266	0.42314036	4.21E-08	1.58E-06
Hnrnpa1	2.71801017	1.53816156	1.11583941	0.42232215	0.03892386	0.33039706
Matn2	0.50834918	0.91797698	0.49898606	0.41899092	4.58E-05	0.00104312
Fkbp7	0.60873394	0.99608291	0.58108464	0.41499827	0.00043843	0.00801747
Ckb	0.74050877	1.08855672	0.67858007	0.40997666	0.00244049	0.03584829
Klf2	0.49146715	0.89346426	0.48454982	0.40891444	4.22E-05	0.00096743
Ahnak	0.52811715	0.92396491	0.51566398	0.40830093	0.0001126	0.00231882
Ndufa1	1.7849442	1.50322931	1.09558608	0.40764324	0.04150444	0.34488185
Sfrp2	0.26118319	0.67889312	0.27138267	0.40751045	1.32E-12	8.72E-11

Htra3	0.39238009	0.80336976	0.39638979	0.40697997	8.62E-07	2.72E-05
Atp2a2	1.25736537	1.36099242	0.95412778	0.40686463	0.02347825	0.22557166
Arg1	0.30047194	0.71615003	0.3097347	0.40641534	4.88E-10	2.39E-08
Tpd52	1.46550364	1.43093651	1.02584846	0.40508805	0.03290414	0.29017292
Hist1h1c	0.76441604	1.09991008	0.69496102	0.40494906	0.00331646	0.04672692
6330403K07I	0.49587392	0.89158841	0.48833482	0.40325359	5.97E-05	0.00133639
Nid1	0.49175487	0.88600068	0.48479729	0.40120339	5.77E-05	0.00129548
Bambi	1.18756465	1.32545386	0.92510627	0.40034759	0.02188972	0.21501166
Acly	1.58160165	1.45648244	1.05648815	0.39999429	0.03887358	0.33016351
Oaf	0.74430375	1.08020879	0.68120772	0.39900107	0.00317765	0.04510328
Tm4sf1	0.25037956	0.65948493	0.26070808	0.39877685	5.16E-13	3.51E-11
Spats2l	0.48317576	0.87536572	0.47739638	0.39796934	5.14E-05	0.00116293
Hist1h2ap	0.26217863	0.66954074	0.27236357	0.39717718	5.46E-12	3.31E-10
Zfos1	1.33364781	1.37792904	0.98292143	0.39500761	0.03058302	0.27268917
Tppp3	0.40607937	0.80362942	0.40891668	0.39471273	3.44E-06	9.81E-05
Hsp90aa1	3.51661977	1.42515555	1.03235413	0.39280142	0.03814046	0.32603795
Ccnd1	0.50488916	0.88786802	0.49604175	0.39182627	0.00011656	0.00238684
Myl12a	2.49048463	1.51847891	1.12719197	0.39128694	0.05290914	0.40810662
Pcp4	0.50778929	0.88952168	0.49851014	0.39101155	0.00012895	0.00261467
Ffar2	0.85923284	1.14589259	0.75586231	0.39003027	0.00810736	0.09836021
Gypa	0.06217078	0.45595224	0.0665096	0.38944264	3.65E-164	8.82E-161
Cldn3	0.65306521	1.00269265	0.6152219	0.38747075	0.00167187	0.02573124
Fcer1g	0.15858976	0.55489658	0.16792438	0.3869722	3.44E-27	6.01E-25
Ltb	0.10524061	0.49905736	0.11242007	0.38663729	4.41E-58	1.73E-55
C1qa	0.35117222	0.74456288	0.35808826	0.38647462	2.47E-07	8.40E-06
Rnase1	0.18395594	0.57915013	0.1939238	0.38522633	1.07E-20	1.38E-18
Mef2c	0.39768906	0.78538522	0.40125709	0.38412812	4.10E-06	0.00011533
Marcks	1.72250331	1.46952106	1.08552535	0.38399571	0.04966994	0.39157955
Ppib	2.83531614	1.48993906	1.1079093	0.38202976	0.05408225	0.41528696
Rps4x	4.89160875	1.11308109	0.73334621	0.37973488	0.00792281	0.09660636

Cela3b	0.24064356	0.63060482	0.25104202	0.3795628	9.33E-13	6.27E-11
Hn1	1.68598288	1.4583049	1.07881916	0.37948574	0.05062428	0.39690185
Lmo4	0.66475681	1.00192229	0.62400246	0.37791983	0.00238899	0.03523452
Cd52	0.12300412	0.50893011	0.1310206	0.37790951	1.81E-41	5.35E-39
Rps12	3.70863213	1.38765054	1.00979261	0.37785793	0.0406366	0.34035205
Prrx1	0.46653253	0.84016104	0.46290971	0.37725133	7.33E-05	0.00158328
Resp18	0.4652872	0.83888087	0.46181925	0.37706162	7.12E-05	0.00155041
Marcks1	2.7691087	1.4879374	1.11263	0.3753074	0.05802941	0.4361381
Id1	0.29884949	0.68228767	0.30816586	0.37412181	7.74E-09	3.20E-07
Cdk1	0.37105177	0.74844948	0.37668083	0.37176865	2.13E-06	6.33E-05
Myl9	0.43393127	0.80562628	0.43405635	0.37156993	3.33E-05	0.00078459
Nid2	0.48474709	0.85009288	0.47875534	0.37133754	0.00015098	0.00302745
Rph3al	1.08911515	1.25066234	0.87987747	0.37078487	0.02480557	0.23486923
H2-D1	1.55036547	1.41963244	1.04887159	0.37076084	0.0497926	0.39214348
H2afv	1.92084441	1.48158104	1.11164158	0.36993946	0.06051877	0.44948829
Glul	1.49666985	1.40330924	1.03465331	0.36865593	0.04845511	0.38472188
Blvrb	0.45559581	0.81919012	0.45330082	0.3658893	8.48E-05	0.00181007
Mkrn1	0.91577306	1.15438209	0.78907114	0.36531095	0.015506	0.16603106
Lsp1	0.23972451	0.61502337	0.2501273	0.36489607	5.35E-12	3.26E-10
Il11ra1	0.8566863	1.11682446	0.75431222	0.36251224	0.01257718	0.14091491
Rps20	4.2968994	1.25204663	0.89038395	0.36166268	0.02921866	0.26426212
Grb10	1.95774797	1.47594377	1.1147083	0.36123547	0.06554858	0.47418188
Lmnb1	0.82109284	1.09287961	0.73215013	0.36072948	0.01085354	0.12527997
Col6a3	0.43754019	0.79780157	0.43728089	0.36052068	6.12E-05	0.00135549
Lrrc17	0.38324936	0.74742477	0.38798289	0.35944188	7.94E-06	0.00021268
Cd9	1.05579116	1.22261656	0.86320511	0.35941145	0.02619978	0.24404059
Aplnr	0.12786866	0.49535978	0.13609389	0.35926589	4.59E-35	1.17E-32
Col4a2	0.44353331	0.80176256	0.44261916	0.35914341	7.83E-05	0.00168477
Pf4	0.08235475	0.44665651	0.08807561	0.3585809	1.57E-80	9.91E-78
Htra1	0.37730958	0.74081032	0.38248953	0.35832079	6.37E-06	0.0001739

Lpl	0.50345091	0.85308574	0.49481564	0.3582701	0.00037137	0.00686752
Sox18	0.16682292	0.53245238	0.17639186	0.35606052	2.62E-21	3.48E-19
Esam	0.19003122	0.55559886	0.20011159	0.35548727	6.35E-17	6.22E-15
Runx1t1	0.90989251	1.14080173	0.78572535	0.35507638	0.01762749	0.18359434
Rpl23	4.85771175	1.09829141	0.74321605	0.35507535	0.01301267	0.14467612
Hepacam2	0.99409276	1.18601689	0.83145289	0.354564	0.0234748	0.22557166
Ly6e	1.08767037	1.23361345	0.87916892	0.35444453	0.03017059	0.27028518
Plac8	0.36467909	0.72515634	0.37074329	0.35441305	4.22E-06	0.00011856
Cldn6	0.81968042	1.08554124	0.73125163	0.35428961	0.01199637	0.13582249
Osr1	0.40087626	0.75700975	0.40417145	0.3528383	2.38E-05	0.00058063
Fbn1	0.44420466	0.79544716	0.44321594	0.35223122	0.00010673	0.0022073
Calu	0.77906582	1.05525152	0.70479621	0.35045532	0.010262	0.11998263
Actb	4.60312256	1.16249119	0.81323425	0.34925693	0.02270376	0.22091219
Clec14a	0.19579724	0.55353831	0.20596987	0.34756844	1.89E-15	1.60E-13
Cmtm3	0.60922814	0.92846334	0.58147253	0.34699081	0.00271627	0.03949903
Fam159b	0.43347895	0.78002451	0.43365167	0.34637284	9.91E-05	0.00206462
Hsp90b1	3.35136941	1.40010583	1.05529493	0.3448109	0.06396955	0.46698415
Dpysl3	0.43530368	0.77962466	0.4352835	0.34434116	0.0001141	0.00233974
Ecscr	0.22260632	0.5773076	0.23302055	0.34428705	2.92E-12	1.82E-10
Oat	0.91568979	1.13315029	0.78902394	0.34412635	0.0210789	0.20845964
Selm	1.80845639	1.4416985	1.09893157	0.34276692	0.07308872	0.51316074
Slc2a2	0.41300644	0.75771016	0.41521	0.34250016	6.07E-05	0.00134874
Tagln2	1.51564576	1.38218063	1.0398146	0.34236603	0.06251629	0.45938225
Igfbp2	0.30069874	0.65111176	0.3099539	0.34116371	1.46E-07	5.10E-06
Ngfrap1	2.81741748	1.45017889	1.10921974	0.34095915	0.07605825	0.52409337
Vcan	0.41205306	0.75396379	0.41434549	0.3396183	6.71E-05	0.0014646
Nkain4	0.3745935	0.71856489	0.37997105	0.33859385	1.65E-05	0.00041622
Ddah2	1.22032076	1.27503175	0.93907257	0.33595918	0.04778049	0.38082549
Prdx4	1.15668767	1.24459332	0.91145436	0.33313896	0.04429758	0.36120719
Sep-11	0.65270747	0.94792333	0.6149518	0.33297153	0.00582407	0.07413294

Cenpf	0.23208486	0.57499602	0.24250859	0.33248744	8.43E-11	4.51E-09
Ypel3	1.76651457	1.42504756	1.09280689	0.33224067	0.07832411	0.53437317
Maf	0.37597684	0.71205849	0.38125425	0.33080424	2.64E-05	0.00063909
Dab2	0.33866841	0.67672466	0.34628585	0.33043881	4.38E-06	0.00012282
Cd74	0.09338851	0.4289577	0.09985519	0.32910251	1.64E-53	6.10E-51
Plxdc2	0.43836903	0.76708835	0.43802036	0.32906799	0.00023256	0.0045135
Enpp2	0.74084174	1.007252	0.67881103	0.32844097	0.01209127	0.13652587
Fabp4	0.18900447	0.52716239	0.19906693	0.32809546	8.03E-15	6.44E-13
Rgcc	0.20987953	0.54727333	0.2202178	0.32705552	2.27E-12	1.44E-10
Serpine2	0.7945691	1.04177524	0.7150358	0.32673944	0.0166301	0.17624506
Osr2	0.32454471	0.65906144	0.33285757	0.32620387	2.49E-06	7.32E-05
Ank	0.91602879	1.11415911	0.78921606	0.32494305	0.02754152	0.25315361
Des	0.3632517	0.6941637	0.36941031	0.32475339	2.10E-05	0.00052058
Adamts5	0.30855263	0.64161374	0.3175285	0.32408524	9.92E-07	3.07E-05
Ndufa4l2	0.32175899	0.65406101	0.33019679	0.32386422	2.44E-06	7.20E-05
Rac2	0.12578482	0.45678401	0.13392165	0.32286236	1.42E-29	2.78E-27
Kdelr3	0.45338666	0.77328298	0.4513511	0.32193188	0.0004452	0.00812905
Cldn5	0.16038571	0.49146227	0.16977379	0.32168848	5.34E-19	6.09E-17
Cpa2	0.23618388	0.56555416	0.2465997	0.31895446	8.41E-10	4.01E-08
Cdh5	0.17235271	0.49975848	0.18206348	0.317695	2.15E-16	2.03E-14
Pttg1	0.44585011	0.7610929	0.44467751	0.31641539	0.00045801	0.00835166
Cnn2	0.47498763	0.78631616	0.47029029	0.31602587	0.0008719	0.01471572
Tshz2	1.50046879	1.3515114	1.03569417	0.31581723	0.07770716	0.53174815
Bsg	3.74957097	1.32062586	1.00501545	0.31561042	0.07172378	0.50699727
Smim22	1.1156083	1.20808446	0.89261425	0.31547021	0.04982262	0.39214348
Tagln	0.14673827	0.47078485	0.15568842	0.31509643	2.07E-21	2.77E-19
Sez6l2	0.75874898	1.00573231	0.69111471	0.3146176	0.01696513	0.1790105
Lox	0.36176365	0.68245414	0.36801967	0.31443447	3.44E-05	0.0008077
Pdia4	1.76082681	1.40454892	1.09191971	0.31262921	0.0911169	0.58666938
Kdelr2	1.40686365	1.31971424	1.00783094	0.3118833	0.07468566	0.51900827

Aebp1	0.40862357	0.72234113	0.41123133	0.3111098	0.00021203	0.00415406
Eno1	2.11383238	1.43513349	1.12406247	0.31107102	0.0986457	0.61645056
Btbd17	0.35877662	0.67567728	0.36522495	0.31045233	3.74E-05	0.00087401
Fkbp11	0.49357134	0.79679545	0.48635841	0.31043704	0.00147093	0.02312962
Car2	0.13390977	0.4526785	0.14238208	0.31029642	1.60E-24	2.50E-22
Bex4	0.87592236	1.07397685	0.76590576	0.30807109	0.03046722	0.27199122
Arx	0.31068483	0.62757986	0.3195796	0.30800026	3.56E-06	0.00010117
Cck	0.29173182	0.60884113	0.30126777	0.30757336	9.85E-07	3.06E-05
Mien1	1.72432239	1.39245108	1.08584482	0.30660626	0.09416606	0.59930619
Bpgm	0.41121544	0.72006677	0.41358552	0.30648126	0.00027777	0.00531989
Sh3bgrl3	1.63116329	1.37410182	1.06770437	0.30639746	0.09061636	0.58467113
Nr2f2	0.44505727	0.74934476	0.44397348	0.30537128	0.00067652	0.01183133
1110008P14l	1.12641575	1.20273275	0.89767047	0.30506227	0.05667839	0.4290983
Cxcl13	0.17210262	0.48381772	0.18180725	0.30201047	5.00E-15	4.07E-13
Mageh1	1.59443409	1.361353	1.0594967	0.3018563	0.09219525	0.59196045
Camk2n1	0.89938479	1.08148247	0.77968347	0.301799	0.03566446	0.30938746
Fosb	0.77178114	1.00157043	0.69992506	0.30164536	0.02232935	0.21839217
Nupr1	0.29947502	0.61018332	0.30877088	0.30141244	2.71E-06	7.83E-05
Fech	0.40361472	0.70734372	0.40667085	0.30067286	0.00028596	0.00543353
Hist1h2al	0.81496016	1.02855615	0.72823828	0.30031786	0.02734703	0.25189151
Cyr61	0.31078467	0.61953474	0.3196756	0.29985913	6.21E-06	0.00017015
Cks1b	1.21844614	1.23640692	0.93829461	0.29811231	0.06940652	0.49496101
Prss53	0.3533576	0.65716246	0.36014244	0.29702002	6.09E-05	0.00135064
Gm13305	0.53954218	0.82192566	0.52519091	0.29673475	0.00424022	0.05723896
Cela1	0.17392902	0.48033194	0.18367791	0.29665404	2.65E-14	2.05E-12
Fcgrt	0.45918676	0.75229468	0.45646379	0.29583089	0.00126627	0.02028551
Rcn1	1.25515869	1.24827191	0.95324526	0.29502664	0.07466123	0.51900827
Rgs2	0.33899229	0.64047868	0.34659261	0.29388607	3.90E-05	0.00090471
Rpsa	4.14234009	1.22366694	0.93024921	0.29341774	0.07084646	0.50201954
Gabarapl2	2.54722261	1.41779468	1.12503757	0.29275711	0.11268941	0.66875608

Fth1	3.91636007	1.2724727	0.98012294	0.29234976	0.08231565	0.5519946
Cotl1	1.25697309	1.24452169	0.95397112	0.29055057	0.07795363	0.53259744
Gpx7	0.51691885	0.79593453	0.50624583	0.28968871	0.00383818	0.05269503
Pdlim2	0.36059958	0.65649765	0.36693112	0.28956653	0.00011816	0.00241627
Adamts1	0.41594365	0.70727564	0.41787037	0.28940527	0.00062624	0.01106931
Slc35b1	1.11234801	1.18015628	0.89107364	0.28908264	0.0653361	0.47362135
Emp1	0.50103133	0.78122417	0.49275002	0.28847415	0.00319065	0.045218
Ctsz	1.37167214	1.28419717	0.99611267	0.2880845	0.08892466	0.57774473
Zfp36l1	0.61947095	0.87505556	0.58947474	0.28558082	0.01200087	0.13582249
Angptl2	0.28422544	0.57865537	0.2939656	0.28468977	3.21E-06	9.20E-05
H1f0	1.90951053	1.39506461	1.1106041	0.28446051	0.11637579	0.68087821
Ube2l6	0.16227465	0.4561198	0.17171755	0.28440225	5.99E-15	4.83E-13
C1qb	0.07077515	0.35903875	0.07570562	0.28333314	2.18E-68	1.06E-65
Lurap1l	0.507159	0.78118085	0.49797413	0.28320672	0.00402909	0.05505533
Actg1	5.09200404	0.96569861	0.68416078	0.28153783	0.02760672	0.25331782
Arl6ip1	1.44287341	1.30008104	1.01911663	0.28096441	0.0994936	0.62041211
Bst2	0.32360546	0.61289495	0.3319609	0.28093405	4.03E-05	0.00092815
Spint1	0.97058937	1.09972391	0.81913302	0.28059089	0.05525528	0.42140509
Gpx2	0.51697842	0.78682053	0.50629612	0.28052441	0.0049202	0.06520384
Coro1a	0.12146473	0.40912985	0.12941334	0.27971651	3.75E-24	5.67E-22
Nbl1	0.42913545	0.70924784	0.42975943	0.27948841	0.00122325	0.0197271
Rab3a	0.98717834	1.10733381	0.82787014	0.27946367	0.05789227	0.43561417
Nfkbia	0.80300945	0.99897849	0.72053727	0.27844122	0.03590029	0.30996718
Vcam1	0.29831319	0.58606622	0.307647	0.27841923	1.24E-05	0.00032202
Fam174b	0.9315376	1.07589282	0.79792754	0.27796528	0.05229637	0.40455457
Aspn	0.22667248	0.51371215	0.2370957	0.27661646	2.73E-08	1.05E-06
S100a13	0.91313015	1.0633483	0.78757058	0.27577772	0.05140438	0.40024739
Calm1	4.0039474	1.23788534	0.96235216	0.27553318	0.09111638	0.58666938
BC028528	0.39787791	0.67691195	0.40142994	0.27548201	0.00069383	0.01209028
Ogn	0.29907755	0.58253743	0.30838646	0.27415097	1.72E-05	0.0004323

Tsc22d1	2.24459168	1.40244135	1.12830109	0.27414026	0.12882346	0.71857996
Alcam	0.86629359	1.03422269	0.76013565	0.27408705	0.04648793	0.37319049
Mmp2	0.35207783	0.63253076	0.35893981	0.27359096	0.00019179	0.00378301
Bicc1	0.63791529	0.87677568	0.60370612	0.27306955	0.01754399	0.1828909
Hebp1	0.49771164	0.76232767	0.48990998	0.27241769	0.00478995	0.06359404
Reep5	1.44553902	1.29204732	1.01992646	0.27212086	0.10692913	0.6470194
Icam2	0.17246634	0.45392004	0.18217989	0.27174015	1.84E-12	1.18E-10
Gsta3	0.22329433	0.50535909	0.23371061	0.27164848	3.06E-08	1.17E-06
Ntrk2	0.34171115	0.62075606	0.34916593	0.27159014	0.00014513	0.00292233
Tmem176b	1.93145859	1.38340391	1.11256893	0.27083498	0.12836879	0.71695178
Dek	1.00211043	1.10580644	0.8356073	0.27019914	0.06596951	0.4755972
Msn	0.39392488	0.66775959	0.39780772	0.26995187	0.00078465	0.01338341
Uqcc2	2.31102594	1.39894651	1.12922484	0.26972167	0.13289412	0.72977796
Igf2r	0.58590812	0.83203346	0.56299267	0.26904079	0.0129938	0.14467612
Ptrf	0.40157349	0.67340164	0.40480822	0.26859341	0.0009966	0.01643766
Cdc20	0.25034455	0.52898185	0.2606734	0.26830845	8.12E-07	2.58E-05
Rps15a	4.98591288	0.97342324	0.70526083	0.26816241	0.03824076	0.32651032
Plpp3	0.39760152	0.66856642	0.40117697	0.26738945	0.00095062	0.01578698
Atp5l	4.30261563	1.1557628	0.88887726	0.26688554	0.08092931	0.54572704
Ccndbp1	0.53097689	0.78480076	0.5180565	0.26674426	0.00822307	0.0994312
Axl	0.33794022	0.61196926	0.34559594	0.26637332	0.00016474	0.00328524
Tcf4	1.00540356	1.10250288	0.83731475	0.26518814	0.07003298	0.49795891
Creld2	1.16365635	1.17935368	0.91458083	0.26477284	0.08870509	0.57718099
Gstm1	0.4263427	0.69129338	0.42725096	0.26404241	0.00199317	0.0300385
Lhfp	0.3203947	0.5927721	0.32889221	0.26387988	9.27E-05	0.00194868
Igfbpl1	0.32349121	0.59493048	0.33185179	0.26307868	0.00011063	0.00228151
Ece1	0.96576038	1.07918435	0.81656861	0.26261573	0.06702027	0.48149645
Timp2	0.57707054	0.81809436	0.55589494	0.26219942	0.01399286	0.15310824
Phlda3	0.44897174	0.70958759	0.44744583	0.26214176	0.00317153	0.04507926
Baspl	0.52692385	0.77649999	0.51466408	0.26183591	0.00888824	0.10658534

Gap43	0.28731553	0.55867164	0.29697501	0.26169664	2.02E-05	0.00049993
Scd2	1.0248007	1.10807217	0.84721541	0.26085676	0.07571721	0.52298621
Tmsb15l	0.5575873	0.80045512	0.54006848	0.26038664	0.01234416	0.13867887
Pfn1	2.82287953	1.369052	1.1088198	0.2602322	0.13710457	0.7420427
Wipi1	0.92970169	1.05692404	0.79690538	0.26001866	0.06423728	0.46799603
Mfge8	0.59516276	0.82957095	0.57036939	0.25920156	0.01712004	0.18038254
Cdo1	0.45950989	0.71523278	0.45674803	0.25848475	0.00418698	0.05667869
Nefm	0.33496805	0.60085421	0.34277741	0.2580768	0.00022599	0.00439193
Prnp	1.48888215	1.28967171	1.03249503	0.25717668	0.12293042	0.70139524
Akr1c12	0.72114943	0.92200692	0.66501657	0.25699035	0.03589791	0.30996718
Dtymk	0.98852471	1.08506647	0.82857049	0.25649598	0.07461697	0.51900827
Galk1	0.51321677	0.75936339	0.50311534	0.25624804	0.00882442	0.10590762
Arhgdib	0.18784039	0.4537815	0.19788199	0.25589951	8.46E-10	4.02E-08
Stmn2	0.13488321	0.39915729	0.14339401	0.25576327	4.79E-17	4.82E-15
Nkx2-2	0.9406859	1.05869907	0.802984	0.25571507	0.06894854	0.49315042
1700011H14	0.20168732	0.46682912	0.2119394	0.25488971	1.05E-08	4.30E-07
Npepl1	0.96415116	1.07018731	0.81571026	0.25447704	0.07304951	0.51316074
Fxyd6	1.19069896	1.18078494	0.92647367	0.25431127	0.10047487	0.62288099
Lyve1	0.18336767	0.44755667	0.19332381	0.25423286	4.48E-10	2.21E-08
Lyz2	0.13260975	0.39483099	0.14103007	0.25380092	2.55E-17	2.66E-15
Fxyd1	0.41094907	0.66693488	0.41334375	0.25359113	0.00212949	0.03179548
Serpinf1	0.39416041	0.65145647	0.39802378	0.25343269	0.00150617	0.02354648
Emcn	0.13208925	0.39373897	0.14048857	0.2532504	2.26E-17	2.38E-15
Ifi27	0.40929747	0.66441657	0.4118438	0.25257276	0.00213696	0.03184132
B630019K06	0.72844048	0.92250765	0.67015584	0.25235182	0.03968472	0.33567622
Fkbp2	1.58303552	1.3091021	1.05682759	0.25227451	0.13304064	0.73006176
Sep-07	2.06172863	1.37355438	1.12141285	0.25214153	0.14742781	0.77404405
Serf2	3.4261068	1.29657773	1.0445198	0.25205793	0.13044909	0.72323168
Slit2	0.36753786	0.62422865	0.37340962	0.25081904	0.00087579	0.01476425
G0s2	0.27813783	0.53870841	0.2880244	0.25068401	2.51E-05	0.00060992

P4ha2	0.43060597	0.6786028	0.43107842	0.24752439	0.00373474	0.05172638
Fev	0.59934885	0.82108304	0.57368716	0.24739588	0.02226253	0.21793524
Rhoj	0.39939589	0.65017752	0.40281854	0.24735898	0.00211208	0.03163318
Emilin1	0.48578795	0.72667767	0.47965467	0.247023	0.00821181	0.09937802
Cst3	2.94152862	1.34668779	1.09981924	0.24686855	0.14783611	0.77404405
Pdzk1ip1	0.57559866	0.80104906	0.55470777	0.24634128	0.01927311	0.19636093
Lockd	0.22008028	0.4768233	0.23048518	0.24633813	3.19E-07	1.07E-05
Tgfb1i1	0.37559273	0.62687251	0.38089806	0.24597445	0.00131215	0.02095108
Crabp1	0.16701207	0.4220636	0.17658607	0.24547754	4.69E-11	2.55E-09
BC048546	0.49637893	0.73410691	0.48876788	0.24533903	0.00967873	0.11417597
Dnajb9	0.82346433	0.97845087	0.73365544	0.24479543	0.06002933	0.44651732
Sgk1	0.26729906	0.52196396	0.27740167	0.24456229	2.00E-05	0.00049666
Srm	0.85858184	0.99930899	0.7554665	0.24384249	0.06632031	0.47741402
Gjd2	0.61655496	0.83033416	0.58720388	0.24313028	0.02686402	0.24854787
Celf2	0.94332307	1.04745062	0.8044302	0.24302042	0.07964284	0.54059058
Ctsb	1.69698096	1.32308	1.08088713	0.24219288	0.14826063	0.77505178
Surf4	1.4417324	1.25988695	1.01876877	0.24111819	0.13508745	0.73635034
Cirbp	1.56169476	1.29231099	1.05167018	0.24064081	0.14320086	0.76468733
Ccna2	0.19939864	0.44918812	0.20962163	0.23956649	5.06E-08	1.87E-06
Tyms	0.61879223	0.82796237	0.58894669	0.23901568	0.02932784	0.26491901
Cyb5r3	1.90352437	1.34823463	1.11003625	0.23819838	0.15871718	0.80513702
Ccnb1	0.15021831	0.39717234	0.15928696	0.23788539	1.73E-12	1.12E-10
Lpar4	0.34217087	0.58724592	0.34960026	0.23764566	0.00077015	0.01318263
C1qc	0.05391244	0.29402144	0.05768044	0.236341	1.54E-81	1.06E-78
Gamt	0.31003002	0.55465015	0.31894983	0.23570032	0.00028775	0.00546049
Epha3	0.29216068	0.53738278	0.30168412	0.23569867	0.00013636	0.00275727
Efemp2	0.69268697	0.8801137	0.64459398	0.23551972	0.04435245	0.36145129
Tfpi	0.42396326	0.66040659	0.42511013	0.23529646	0.00495861	0.06553327
Smc2	0.40728275	0.64526967	0.41001195	0.23525773	0.00375635	0.05186631
Gars	1.67849453	1.31242162	1.07737859	0.23504302	0.15471859	0.79345952

Elk3	0.28154593	0.52565118	0.29135273	0.23429845	8.96E-05	0.0018941
Serinc3	1.10570084	1.1215467	0.88791063	0.23363607	0.11011666	0.65698409
Rspo3	0.22705444	0.47043846	0.23747812	0.23296035	2.44E-06	7.19E-05
Nucb2	0.92146947	1.02478501	0.79229155	0.23249347	0.08579073	0.56639069
Gatsl2	0.82579971	0.96737884	0.73513381	0.23224503	0.070529	0.50026519
Try5	0.07155591	0.30875577	0.0765399	0.23221587	1.16E-45	3.82E-43
Cdc42ep2	0.37700939	0.6134713	0.38221138	0.23125992	0.00240922	0.03546072
Sat1	0.54225567	0.75841333	0.52744119	0.23097213	0.0206652	0.20548976
Nudt19	0.54074101	0.75709033	0.52618568	0.23090465	0.02045354	0.20404477
Stard10	1.07297374	1.10271967	0.87188757	0.2308321	0.10870322	0.65261673
Tmed3	1.94045358	1.34407112	1.11332975	0.23074138	0.16712684	0.82737245
Cryab	0.26821862	0.5078931	0.2783051	0.22958799	6.07E-05	0.00134874
Cdh11	0.33561924	0.57293286	0.34339525	0.22953761	0.00092222	0.01540355
Ssr4	2.47509076	1.35639477	1.12765943	0.22873534	0.17232347	0.83696674
Rps2	4.83219835	0.97809269	0.75062515	0.22746754	0.07899947	0.53796819
Rasip1	0.17823522	0.41543357	0.18808299	0.22735059	8.93E-09	3.67E-07
Prss23	0.37723228	0.60957122	0.38241791	0.2271533	0.00282548	0.04076221
Dynll2	1.45545904	1.24901927	1.02290524	0.22611404	0.15153722	0.78379829
Cd47	1.40154543	1.2319547	1.00610689	0.22584781	0.14782094	0.77404405
F2r	0.44811955	0.67239848	0.44669067	0.22570781	0.00928353	0.11050302
H2afx	1.02917521	1.07495495	0.84950786	0.22544708	0.10815208	0.65088783
Rap1b	1.88055787	1.33262617	1.10766379	0.22496238	0.17201984	0.83696674
Rpl35	4.50012854	1.0642111	0.83926003	0.22495107	0.10587656	0.64279663
Erp29	2.16525237	1.3511023	1.12618679	0.22491551	0.17606731	0.84551968
Tubb5	3.33943057	1.28148081	1.05693098	0.22454983	0.16113267	0.81133695
Rpn1	1.68870574	1.30372496	1.07933642	0.22438854	0.16637985	0.82496531
Hist1h2ae	0.25360873	0.48741806	0.26390425	0.2235138	3.98E-05	0.00091771
Ppp2r2b	0.48518694	0.70099661	0.47913546	0.22186115	0.01549122	0.16599537
Mpp1	0.24995658	0.48207604	0.26028906	0.22178698	3.60E-05	0.00084244
Wfdc2	0.3204593	0.55025376	0.32895401	0.22129975	0.00086148	0.01457386

Cxxc4	0.79821998	0.93837472	0.71742185	0.22095287	0.07566221	0.52298621
Pkm	2.84589355	1.32803322	1.10714792	0.2208853	0.17631557	0.84615131
Thra	0.77857473	0.9252587	0.70446904	0.22078966	0.07212139	0.50853143
Ctsh	0.34224734	0.57024114	0.34967255	0.22056859	0.00164745	0.02543604
Clec3b	0.16191267	0.3918761	0.17134518	0.22053092	1.01E-09	4.74E-08
Tmem119	0.26696674	0.49700281	0.27707507	0.21992774	0.00010864	0.00224372
Trappc2l	1.61893134	1.2846952	1.06503127	0.21966392	0.16829821	0.82993631
Sepw1	2.49263161	1.34674388	1.12712137	0.21962251	0.18199017	0.86140825
Papss2	0.7161273	0.88076612	0.66145451	0.21931161	0.06120739	0.45297841
Ehd2	0.3570137	0.58274438	0.36357325	0.21917112	0.00248843	0.03644173
Fbln2	0.38266983	0.60599386	0.38744778	0.21854608	0.00429506	0.05787153
Kdr	0.1593956	0.38702203	0.16875437	0.21826766	8.41E-10	4.01E-08
Mmp23	0.31572274	0.54219616	0.32441745	0.21777871	0.00088147	0.01482555
Loxl2	0.36337408	0.58716047	0.36952464	0.21763583	0.00303535	0.04344182
Ffar4	0.85779371	0.97171941	0.7549869	0.21673251	0.09054075	0.58444336
Cldn10	0.22590701	0.45296877	0.23632911	0.21663966	9.74E-06	0.00025861
Arf4	2.26874435	1.34332235	1.12868987	0.21463248	0.18782288	0.87574983
Rgs17	0.63215431	0.81132413	0.59928552	0.21203862	0.04963305	0.39150162
Prss2	0.11885164	0.3380366	0.12668298	0.21135362	3.84E-15	3.18E-13
Rsu1	0.88029162	0.97939463	0.76850156	0.21089308	0.10053448	0.62288099
Coq10b	0.45079742	0.6597092	0.44906218	0.21064702	0.01442882	0.15669589
Btg1	1.6396085	1.28012523	1.06950698	0.21061825	0.17944393	0.85521962
Taldo1	1.84151115	1.31382239	1.10321466	0.21060772	0.18689167	0.87419127
Ctss	0.07685309	0.29260488	0.08219932	0.21040556	4.36E-33	1.00E-30
Akr1c13	0.66333474	0.83314587	0.62293953	0.21020634	0.05796075	0.43584798
Eif4ebp1	0.69382332	0.85489932	0.64542025	0.20947907	0.06525211	0.47348601
Fibin	0.16136016	0.3801978	0.17077671	0.20942109	5.54E-09	2.33E-07
Plk2	0.43634659	0.64555495	0.43621527	0.20933968	0.0126816	0.14197515
Gja4	0.08685338	0.30134492	0.09287924	0.20846568	6.81E-26	1.12E-23
Gm10073	1.27226362	1.16837049	0.96000131	0.20836918	0.15595377	0.79725592

Sec11c	0.85364723	0.9607831	0.75245609	0.20832702	0.09854495	0.61608654
Gimap4	0.13813757	0.35505733	0.14677443	0.2082829	1.90E-11	1.10E-09
Cdk2ap2	1.03678217	1.06165199	0.85346314	0.20818884	0.1278789	0.71595682
Smarca1	0.79032372	0.92018229	0.71224901	0.20793328	0.08689491	0.57045578
Atp6v0b	1.82703748	1.30917422	1.10140017	0.20777405	0.18973107	0.88079447
Tubb2b	0.49185166	0.69203541	0.48488052	0.20715489	0.0232716	0.22432955
Bex1	0.89117528	0.98201127	0.77490647	0.20710481	0.10653491	0.64598207
Abcg2	0.37305233	0.58514121	0.37854017	0.20660104	0.00549882	0.07092692
Cldn11	0.49819152	0.69692114	0.49032095	0.20660019	0.02481857	0.23486923
Cd7	0.06999026	0.28080355	0.0748669	0.20593666	6.73E-38	1.87E-35
Col18a1	0.45288302	0.65666094	0.45090619	0.20575474	0.01675415	0.17730051
Ddost	2.44121767	1.33398964	1.12851285	0.20547679	0.19813871	0.89054584
Maged1	2.90093273	1.30803414	1.10301071	0.20502343	0.19324885	0.88774457
Gimap6	0.17339294	0.3880041	0.18312898	0.20487512	9.33E-08	3.37E-06
Colec12	0.34366749	0.55578668	0.35101453	0.20477215	0.00328491	0.0463726
Rps26	4.47037402	1.05070978	0.8461138	0.20459598	0.12996361	0.72219719
Higd1a	1.36691306	1.19897024	0.99450924	0.204461	0.16907399	0.8322688
Smc4	0.62367897	0.79685521	0.59274154	0.20411367	0.05432056	0.4159266
Madcam1	0.11488308	0.32651257	0.12253144	0.20398113	4.39E-15	3.61E-13
P3h1	0.46315245	0.66377349	0.45994776	0.20382573	0.01948002	0.19777702
Ly6h	0.36447491	0.57380297	0.37055268	0.20325029	0.00530244	0.06894593
Plat	0.28577961	0.49850627	0.29547978	0.20302649	0.00068429	0.01193849
Acat1	1.28244911	1.16602557	0.96392795	0.20209762	0.16433509	0.81873889
Aplp2	1.1219919	1.09768816	0.8956102	0.20207796	0.14658237	0.77203158
Cntfr	0.32060236	0.53103524	0.32909085	0.20194438	0.00212538	0.03176672
Vkorc1	1.14891991	1.10974786	0.90797376	0.20177409	0.15025712	0.77912292
H2-Aa	0.05788704	0.2631908	0.0619301	0.20126069	4.37E-52	1.58E-49
Filip1l	0.36494847	0.57203032	0.37099472	0.2010356	0.00579151	0.07384814
Plpp1	0.38698614	0.59177769	0.3914287	0.20034899	0.00854806	0.10293174
1500009L16F	0.72524317	0.86823516	0.66790682	0.20032834	0.08115004	0.54670692

Cadm1	0.36925018	0.57516548	0.37500452	0.20016095	0.00644601	0.08063351
Tspo	0.57115232	0.75095752	0.55111335	0.19984416	0.04556944	0.36805888
Tk1	0.22219719	0.43221917	0.23261011	0.19960906	3.19E-05	0.00075676
Pdia3	3.32105012	1.25875388	1.05924491	0.19950897	0.19010419	0.88196176
Sulf2	0.42527796	0.62548687	0.42629341	0.19919347	0.01474117	0.15949063
Meis1	0.44787436	0.64549189	0.44647332	0.19901857	0.01891207	0.19349842
Mrfap1	3.69787805	1.20995151	1.01103793	0.19891358	0.17967372	0.85590699
Gip	0.14896958	0.35492198	0.15799626	0.19692572	3.18E-09	1.40E-07
Prps1	1.08261598	1.07352295	0.87667911	0.19684383	0.14776011	0.77404405
Mcm3	0.36840517	0.56981997	0.37421765	0.19560232	0.00744151	0.09174069
Kcnmb2	0.54462373	0.72498604	0.52940111	0.19558493	0.04260496	0.35075907
Fam210b	0.24649368	0.45202194	0.25685542	0.19516652	0.00020006	0.00393018
Trf	0.17985228	0.3843009	0.18973534	0.19456556	8.87E-07	2.79E-05
Hmgn2	3.39097508	1.24397938	1.04959065	0.19438872	0.19410831	0.889076
Tspan4	0.46066927	0.65178998	0.45776733	0.19402264	0.02415272	0.23040214
Ctsd	1.47221552	1.22111767	1.02778389	0.19333378	0.19041136	0.88259328
Serping1	0.6030444	0.76945966	0.57660701	0.19285265	0.05958879	0.4439457
Pnpo	0.21369212	0.41588169	0.2240607	0.19182099	3.32E-05	0.00078459
Add3	0.50456313	0.6875552	0.49576392	0.19179128	0.03574452	0.30938746
Col15a1	0.23515431	0.43630712	0.24557284	0.19073428	0.00014812	0.0029785
Myct1	0.142206	0.3417125	0.15099468	0.19071782	2.00E-09	9.07E-08
Tusc3	1.45644442	1.21382438	1.02319646	0.19062792	0.19269991	0.88662751
Gstz1	0.96783334	1.00781477	0.81767154	0.19014323	0.13931524	0.74945915
H2-Ab1	0.0438344	0.23627123	0.04690252	0.18936871	3.10E-79	1.87E-76
Gpd2	0.73882526	0.86652573	0.67741109	0.18911464	0.09668933	0.61116934
Hagh	0.94055918	0.99199159	0.80291438	0.18907721	0.13629279	0.73978766
Fam212a	0.33466563	0.53108446	0.34249041	0.18859405	0.00515182	0.06738445
Plod2	0.41273407	0.60305548	0.41496308	0.1880924	0.01735259	0.18217078
Pcna	0.50978546	0.68821308	0.50020605	0.18800703	0.03996385	0.33713503
Sdc1	0.44522414	0.63211069	0.44412168	0.187989	0.02430201	0.231188

Pid1	0.23509033	0.4331922	0.24550901	0.18768319	0.0001843	0.00365026
Fam151a	0.3712109	0.5644747	0.37682881	0.18764589	0.01017128	0.11901788
Fkbp10	0.45601658	0.64130221	0.45367184	0.18763037	0.02699899	0.24963736
Hmgb3	0.77500793	0.88956854	0.70208752	0.18748103	0.10673243	0.64658138
Nt5c3	0.80938532	0.91188204	0.72465861	0.18722343	0.11435507	0.67449953
Etv1	0.35243356	0.54639973	0.35927419	0.18712555	0.00762098	0.09339729
O610011F06I	1.34263466	1.17312866	0.98611868	0.18700998	0.18847415	0.87748819
Gmfg	0.14330349	0.33876804	0.15213201	0.18663604	5.47E-09	2.31E-07
Slbp	1.2160284	1.12356506	0.93728793	0.18627713	0.17724363	0.84891909
Glud1	1.53631854	1.23143647	1.04530832	0.18612814	0.20338998	0.89054584
Lsr	0.96579622	1.00255318	0.81658771	0.18596547	0.14434423	0.76687762
Cnn3	1.88738799	1.29413055	1.1083909	0.18573965	0.2174817	0.89054584
Klhl7	1.20964313	1.12003025	0.93460431	0.18542594	0.17765566	0.85005011
Flt1	0.1305149	0.32412413	0.13885008	0.18527404	2.54E-10	1.28E-08
Slc9a3r2	0.3736821	0.56394642	0.37912503	0.1848214	0.01156718	0.13173679
Tgfb1	0.18823347	0.3828824	0.19828219	0.18460021	7.21E-06	0.00019457
Anxa3	0.21818367	0.41282142	0.22857969	0.18424173	8.66E-05	0.00183536
Rrm2	0.22376441	0.4182353	0.23418196	0.18405333	0.0001253	0.00254773
Hic1	0.29901603	0.49197655	0.30832695	0.1836496	0.00275994	0.04005362
2010107G23	0.55943073	0.72520622	0.54157654	0.18362967	0.05708962	0.43153558
Usp9x	1.12251178	1.07922904	0.895853	0.18337605	0.17012816	0.83373276
Nsg1	0.34100431	0.53153391	0.34849705	0.18303686	0.00720336	0.08918391
Ctsl	2.039363	1.30252512	1.12018968	0.18233544	0.22412228	0.89054584
Stt3a	1.35251515	1.17142226	0.98957665	0.18184561	0.19596245	0.89054584
Wt1	0.15804955	0.34916886	0.16736785	0.18180101	2.09E-07	7.18E-06
Smim1	0.44917432	0.62896198	0.44762528	0.18133669	0.02955492	0.26663797
Lptm5	0.09974135	0.28786675	0.10663377	0.18123298	1.20E-15	1.03E-13
Trim35	1.48771925	1.21301295	1.0321699	0.18084304	0.20717071	0.89054584
Fxyd5	0.17056541	0.36104623	0.18023172	0.18081451	1.48E-06	4.49E-05
Hand2	0.20229566	0.39319221	0.21255509	0.18063712	3.76E-05	0.00087591

Rasd1	0.2876459	0.47736446	0.29729647	0.18006799	0.00238737	0.03523452
Cd93	0.13603684	0.32460542	0.14459281	0.18001261	3.31E-09	1.45E-07
Atp5g1	3.14426581	1.26095292	1.08111727	0.17983565	0.21917589	0.89054584
Txndc5	1.30492394	1.15146922	0.97241416	0.17905506	0.19548154	0.89054584
Anxa1	0.18567665	0.37461132	0.19567796	0.17893336	1.02E-05	0.00026912
Adk	0.68066393	0.81471168	0.6357959	0.17891578	0.094921	0.60278786
Rnase4	0.96333717	0.99406333	0.81527536	0.17878797	0.15346267	0.78925214
Tmem45a	0.31526998	0.5024628	0.3239832	0.1784796	0.00513548	0.06725758
Cdca8	0.2119149	0.40071576	0.22227015	0.17844561	9.19E-05	0.00193341
Pim2	0.65686561	0.79599794	0.61808641	0.17791153	0.08995353	0.58142948
Arhgap31	0.33387188	0.51956401	0.34173688	0.17782713	0.00766813	0.09389579
Apoc1	0.21388872	0.40178778	0.22425868	0.17752909	0.00011295	0.00232275
Lig1	0.40086641	0.58162452	0.40416246	0.17746206	0.02039415	0.20391333
Chchd10	0.85320201	0.92953676	0.7521836	0.17735316	0.13599187	0.73850761
Dusp10	0.48181424	0.65340071	0.47621765	0.17718306	0.04151047	0.34488185
Gsta4	0.25202522	0.43944326	0.26233753	0.17710573	0.00082964	0.01408441
Rbm39	3.34293809	1.23310037	1.05648777	0.17661261	0.21803899	0.89054584
Mcm6	0.49532548	0.66441733	0.48786432	0.17655301	0.04589576	0.36925458
Cd302	0.30031122	0.48601845	0.30957935	0.17643911	0.00396215	0.05424287
Cdca3	0.20562471	0.39193249	0.21592161	0.17601088	7.30E-05	0.00158192
Pycr2	1.31453417	1.15184698	0.97597575	0.17587123	0.2005823	0.89054584
Srpx	0.2748263	0.46001459	0.28478493	0.17522966	0.00207407	0.03112823
Kif23	0.15765878	0.34218697	0.16696518	0.17522179	5.06E-07	1.66E-05
Ostf1	0.94939793	0.98212408	0.80775261	0.17437146	0.15727114	0.80068898
Ctsf	0.96437016	0.9897948	0.81582719	0.17396762	0.16023897	0.8080503
Foxa2	0.75013778	0.85913532	0.685227	0.17390832	0.11851881	0.68869169
Glipr2	0.34743612	0.52825643	0.3545705	0.17368593	0.01123946	0.12891584
Rest	0.37253077	0.55155869	0.37805564	0.17350305	0.0162522	0.17287186
Fam111a	0.28162706	0.46479911	0.29143189	0.17336721	0.00278981	0.04036595
Figf	0.23508683	0.41868034	0.24550553	0.17317481	0.00050752	0.00914035

Frzb	0.42535185	0.59940888	0.42635988	0.173049	0.02931552	0.26491901
Eef1b2	2.92931518	1.27327869	1.10079533	0.17248336	0.23269253	0.89054584
Gnao1	0.88416135	0.94322981	0.77078884	0.17244097	0.14863657	0.77655241
Stxbp5l	0.50036223	0.66425151	0.49217815	0.17207336	0.05167341	0.40185388
Lmo2	0.12955542	0.3099014	0.13785105	0.17205035	3.04E-09	1.34E-07
Siva1	1.00815382	1.01065383	0.83873481	0.17191902	0.16979823	0.8336386
Actg2	0.06379106	0.24008751	0.06824155	0.17184596	4.36E-32	9.30E-30
Bcl2l1	0.34820043	0.52711022	0.35529075	0.17181947	0.0121272	0.13671864
Uqcr11	2.83853859	1.27939193	1.10767872	0.17171321	0.23507572	0.89054584
Gatm	0.14191956	0.32228409	0.15069776	0.17158633	5.64E-08	2.08E-06
Sox9	0.58150818	0.73097535	0.55946545	0.1715099	0.07661047	0.52664703
Pabpc1	2.91752405	1.2732168	1.1017234	0.1714934	0.23416248	0.89054584
Gm9493	2.2004461	1.29874754	1.12728215	0.17146539	0.23927121	0.89054584
Ffar1	0.36147334	0.53899018	0.36774827	0.17124192	0.01502483	0.16195539
Rps26-ps1	1.64055595	1.24071178	1.06970704	0.17100475	0.22820105	0.89054584
Spc25	0.46437343	0.63175689	0.4610185	0.17073839	0.04222404	0.3490103
Cd68	0.08270243	0.25913579	0.0884469	0.17068889	1.22E-19	1.48E-17
Asns	0.33031143	0.5083499	0.33835279	0.16999711	0.00962197	0.1136914
Dusp1	0.64837312	0.78159705	0.61167232	0.16992474	0.09778602	0.61452179
Syt7	0.7884966	0.88042286	0.71104559	0.16937727	0.1335425	0.73110935
Gimap1	0.15086058	0.32915816	0.15995056	0.1692076	4.14E-07	1.38E-05
Slc6a6	0.91383879	0.95638219	0.78797343	0.16840876	0.15969138	0.80704115
Vps35	1.40856322	1.17635884	1.00837848	0.16798036	0.21884261	0.89054584
Tcf7l2	0.63657774	0.77065002	0.6026818	0.16796822	0.09706584	0.61211857
Isyna1	1.05328118	1.02979716	0.86192016	0.167877	0.18209069	0.86160273
Anp32e	1.19464413	1.09590053	0.92818587	0.16771466	0.19994215	0.89054584
Tead2	0.55370281	0.70434016	0.53688337	0.16745679	0.07309125	0.51316074
Prc1	0.16854435	0.34525382	0.17815878	0.16709504	6.22E-06	0.00017023
Hspb1	0.18168072	0.35859553	0.19160244	0.16699309	2.45E-05	0.00059646
Tfdp2	0.33040249	0.50464	0.33843942	0.16620058	0.0110714	0.1271895

Tsc22d3	0.41162221	0.57955073	0.41395463	0.1655961	0.03117933	0.27732391
Tmem176a	1.26812311	1.12397148	0.95838669	0.16558479	0.21042533	0.89054584
Dnajb11	1.38959438	1.16764926	1.00216329	0.16548597	0.22085016	0.89054584
Selenbp1	0.38898129	0.5586981	0.39326537	0.16543273	0.02500663	0.23590763
Nfia	0.55263681	0.7014104	0.53600757	0.16540283	0.07526385	0.52184374
Hspa8	5.07728311	0.85073852	0.685852	0.16488653	0.13134371	0.72635204
Kcnj8	0.22376378	0.39872276	0.23418133	0.16454142	0.00053115	0.0095305
Riok3	0.76129051	0.85627622	0.69284255	0.16343367	0.13588596	0.73849629
Kctd12	0.58807185	0.72802977	0.56472249	0.16330729	0.08894511	0.57774473
Uchl1	0.50422868	0.65864368	0.49547885	0.16316483	0.06248732	0.45938225
Hap1	0.67588178	0.79480509	0.63226899	0.1625361	0.11552382	0.67726017
Sphkap	0.43449986	0.59679411	0.43456489	0.16222922	0.04099552	0.34177863
Knstrn	0.18754343	0.35969308	0.19757962	0.16211347	6.60E-05	0.0014479
Creg1	0.69938542	0.81133543	0.64945142	0.16188401	0.12275992	0.70117835
Abhd5	0.30252331	0.47292317	0.31171637	0.1612068	0.00798914	0.09720403
Cenpe	0.1466177	0.31661765	0.15556366	0.16105399	7.06E-07	2.25E-05
C1s1	0.15807016	0.32814326	0.16738908	0.16075418	3.83E-06	0.00010877
Rhoc	1.20206125	1.09196128	0.93137784	0.16058343	0.21090907	0.89054584
Tmem88	0.15381895	0.32337478	0.16300528	0.1603695	2.29E-06	6.77E-05
Acyp2	0.4261	0.58667381	0.42703275	0.15964105	0.04078143	0.34061128
Aldoa	2.4069823	1.28851454	1.12911299	0.15940155	0.25535839	0.89054584
Cenpw	0.3064149	0.47465411	0.31546989	0.15918422	0.00936469	0.11110414
Sod2	1.35069972	1.14795508	0.98894596	0.15900912	0.22690007	0.89054584
Sulf1	0.20879162	0.37791137	0.21912007	0.15879129	0.00036744	0.00680342
Tmc4	0.92959042	0.95542566	0.79684335	0.15858231	0.17691379	0.84817993
PISD	1.23634608	1.10421352	0.94563165	0.15858187	0.21731254	0.89054584
Tmod1	0.16585861	0.33388787	0.17540153	0.15848634	1.28E-05	0.00033049
Npm1	3.71522846	1.16728028	1.00902775	0.15825253	0.23248344	0.89054584
Sh3bgrl	0.76667377	0.854571	0.6964869	0.15808411	0.14515166	0.76747222
Mgst3	0.84734948	0.90653091	0.74858806	0.15794285	0.16280886	0.8160116

Qpct	0.22157567	0.38961863	0.23198645	0.15763219	0.00077356	0.01322525
Nkd1	0.22823831	0.39613056	0.23866299	0.15746757	0.00105631	0.01734363
S100b	0.20165119	0.36919192	0.21190283	0.15728909	0.00027191	0.00524017
Mki67	0.18357773	0.35052311	0.19353807	0.15698505	7.87E-05	0.00169087
Spink1	0.08686907	0.24953692	0.09289599	0.15664093	1.98E-15	1.67E-13
Hjurp	0.40284202	0.56165004	0.40596605	0.155684	0.03699637	0.31794511
Psemb8	0.14069067	0.30470877	0.14942355	0.15528522	6.44E-07	2.08E-05
Sema5a	0.30577626	0.47012235	0.31485443	0.15526791	0.01079459	0.12490018
Ptgis	0.27547717	0.44057539	0.28542207	0.15515332	0.00566155	0.0725099
Ets1	0.21225027	0.37768014	0.22260814	0.155072	0.00058625	0.01044166
Esrp1	0.38456595	0.54381225	0.38919785	0.1546144	0.03209694	0.28357189
Tcf21	0.26647251	0.43084541	0.27658925	0.15425616	0.00468391	0.06242235
Ckap4	0.50924412	0.65398107	0.49974638	0.15423469	0.07523546	0.52184374
Svbp	0.72836951	0.82426186	0.670106	0.15415586	0.14191047	0.76031707
Cmb1	0.17938068	0.34292887	0.18925354	0.15367533	7.74E-05	0.00166834
Rpl22	3.14510716	1.23456164	1.08103432	0.15352732	0.25409529	0.89054584
Muc1	0.3066884	0.46865343	0.3157334	0.15292003	0.01202036	0.13593695
Upk3b	0.06318201	0.21970185	0.06759053	0.15211131	5.07E-26	8.45E-24
Arhgap29	0.44855765	0.5991174	0.44707895	0.15203845	0.05655484	0.42838665
C2cd4b	0.33152825	0.49130396	0.33951009	0.15179387	0.01862572	0.19165059
Cel	0.11520937	0.27465936	0.122873	0.15178637	4.33E-09	1.86E-07
Prdx6	1.49717999	1.18657853	1.03479354	0.15178499	0.24718333	0.89054584
Npy	0.06441958	0.22056108	0.06891335	0.15164773	5.78E-25	9.21E-23
Flrt2	0.33774916	0.49634289	0.34541488	0.15092801	0.02088971	0.20743768
Tnfaip8	0.56995331	0.70095438	0.55014199	0.15081239	0.10077073	0.6232762
Irx2	0.1541557	0.31403415	0.1633528	0.15068135	8.64E-06	0.00023098
Acs1	0.13974273	0.29902734	0.14844026	0.15058707	1.14E-06	3.51E-05
Fn1	0.262139	0.42276006	0.27232452	0.15043554	0.00503148	0.06629241
Zfp667	0.3498408	0.50715865	0.35683551	0.15032314	0.02484286	0.23494573
Gclm	0.85980075	0.90616257	0.75620735	0.14995521	0.17777864	0.85016198

Gpm6b	0.28648746	0.44586681	0.29616902	0.1496978	0.00926512	0.1103745
Ormdl2	0.81910621	0.88042624	0.73088594	0.1495403	0.17023779	0.83373276
Mfsd10	0.56434752	0.69512404	0.54558793	0.14953612	0.10081271	0.6232762
Rgs5	0.21871754	0.37845695	0.22911622	0.14934073	0.0011957	0.01933526
Rpn2	2.13785736	1.27441746	1.12511676	0.1493007	0.26821121	0.89054584
Rplp0	5.23802789	0.81860373	0.66960186	0.14900187	0.14993273	0.77909236
Loxl1	0.40860553	0.56017416	0.41121493	0.14895923	0.04573795	0.36880358
Tmcc2	0.10576789	0.26176825	0.11297388	0.14879437	4.23E-10	2.10E-08
Trim47	0.34756883	0.50309637	0.35469559	0.14840078	0.02563276	0.24037761
Dcdc2a	0.21038472	0.36860923	0.22072738	0.14788186	0.00090004	0.01510282
Pros1	0.30117626	0.45789727	0.31041533	0.14748194	0.01343101	0.14854065
Slc4a1	0.03803104	0.18808233	0.04069478	0.14738754	3.52E-64	1.54E-61
Mapt	0.37605438	0.52868893	0.38132616	0.14736277	0.03589567	0.30996718
Ptpn2	0.71523829	0.80804451	0.66082208	0.14722243	0.14964653	0.77846267
Emilin2	0.20497276	0.36219454	0.21526262	0.14693192	0.00073623	0.01267685
Prss35	0.16817797	0.32467678	0.17778282	0.14689395	5.92E-05	0.00132624
Rnf130	0.77693512	0.85022396	0.70337543	0.14684853	0.16535639	0.82185015
Capg	0.38804868	0.53921303	0.39240706	0.14680597	0.04066795	0.34041799
Ripply3	0.34331759	0.49724844	0.35068399	0.14656446	0.02575823	0.24093087
Hoxb2	0.22424656	0.38094415	0.23466532	0.14627883	0.00184123	0.02806955
Minos1	3.01587683	1.2398902	1.09362689	0.14626331	0.26661143	0.89054584
Plin3	0.70332716	0.79844161	0.65229496	0.14614665	0.14828075	0.77505178
Ralb	0.7106083	0.80356658	0.65751929	0.14604729	0.15037237	0.77944175
Notch2	0.19476463	0.35072211	0.20492178	0.14580032	0.00045854	0.00835166
G6pc2	0.243683	0.39976907	0.25406437	0.1457047	0.00377138	0.05202418
Dnajc3	1.11519536	1.03803233	0.89241951	0.14561282	0.2235728	0.89054584
Hmgb1	3.87852525	1.13236611	0.98720827	0.14515784	0.24665784	0.89054584
Grn	0.64600886	0.75499207	0.60987797	0.14511411	0.13381293	0.73180684
Ptp4a1	1.29921622	1.11531694	0.97027224	0.1450447	0.24307075	0.89054584
Chchd7	1.01943543	0.9894272	0.84450363	0.14492357	0.21199694	0.89054584

Prr13	1.11114169	1.03539171	0.89050182	0.14488989	0.22421436	0.89054584
Cdc42ep5	0.38097416	0.5307095	0.38588101	0.14482849	0.04018102	0.33777651
Serpinb6a	0.74694878	0.82770204	0.68303302	0.14466902	0.16187485	0.81375228
Sycn	0.08799261	0.23875255	0.09409552	0.14465704	3.96E-13	2.74E-11
Cnot6l	0.95169236	0.95333856	0.80900065	0.1443379	0.20292318	0.89054584
Ghitm	0.76388612	0.83893951	0.69460234	0.14433717	0.16649224	0.82523228
Tuba1c	0.31476355	0.4676715	0.32349736	0.14417414	0.01893007	0.19354591
Wisp1	0.16831727	0.32172142	0.17792577	0.14379565	8.32E-05	0.0017789
C1qtnf6	0.54693612	0.67496715	0.53131145	0.1436557	0.10389205	0.6342008
Entpd3	0.57245518	0.69552396	0.55216777	0.1433562	0.11322109	0.67029056
Gcat	0.47140824	0.61004392	0.46717094	0.14287298	0.07710391	0.52951666
Abi3bp	0.23092565	0.38393778	0.24135026	0.14258753	0.00295747	0.04245287
Tacc3	0.19489966	0.34671302	0.20505886	0.14165415	0.00064457	0.01134105
Ltbp4	0.34736298	0.49608541	0.35450156	0.14158384	0.03139134	0.27869665
Pdgfrb	0.21226226	0.36414261	0.22262022	0.14152239	0.0015295	0.02381816
Ctla2a	0.13639892	0.28607175	0.14496895	0.1411028	2.88E-06	8.31E-05
Epb41	0.33846752	0.48707158	0.34609555	0.14097603	0.02886524	0.26204647
Clic1	2.42203011	1.26974905	1.12888255	0.14086649	0.28049846	0.89054584
Ncam1	0.68026792	0.77621369	0.63550438	0.1407093	0.15114081	0.78258554
Trip6	0.38483372	0.52981031	0.38944483	0.14036548	0.04655685	0.37333028
Ppp1r1b	0.15944395	0.30895427	0.16880417	0.1401501	5.48E-05	0.00123275
Bnip3l	1.51443305	1.17945039	1.03948527	0.13996512	0.26522494	0.89054584
Naa38	1.29206242	1.10691154	0.96757513	0.13933642	0.2511375	0.89054584
Mrpl57	1.35813599	1.13074647	0.99151693	0.13922954	0.25648763	0.89054584
Prr5	0.30782141	0.45589146	0.3168246	0.13906686	0.02042774	0.2039679
Pcsk2os1	0.47464012	0.60861238	0.46998778	0.13862459	0.08469422	0.56163058
Pop5	1.23189759	1.08239167	0.9438273	0.13856437	0.24699248	0.89054584
Ldhb	0.44730134	0.58405491	0.44596521	0.1380897	0.07456584	0.51900827
Impdh2	1.24991337	1.08914567	0.95113531	0.13801036	0.24951541	0.89054584
Eif4g2	2.59223809	1.26060419	1.12291828	0.13768591	0.28391404	0.89054584

Lamb1	0.6697112	0.76520866	0.62769457	0.13751409	0.15370501	0.79021819
Malat1	7.68065191	6.14539037	6.00792113	0.13746925	0.45755205	0.89054584
Gngt2	0.20279074	0.35010566	0.21305604	0.13704962	0.00136373	0.02163172
Try10	0.07419899	0.21608164	0.0793639	0.13671774	5.04E-16	4.51E-14
Wdr70	0.30926104	0.45481338	0.31821017	0.13660321	0.02274912	0.22105677
Lama4	0.30708064	0.4526681	0.31611124	0.13655686	0.02207755	0.21656314
Chmp5	1.65125268	1.20847622	1.07193705	0.13653917	0.2764441	0.89054584
Tmem39a	0.59132195	0.70367864	0.56731492	0.13636373	0.13138773	0.72635204
Prr15l	0.40263901	0.54208741	0.40578081	0.1363066	0.05879218	0.4395921
Cd248	0.32196052	0.4664924	0.33038941	0.13610298	0.02747713	0.25292919
Rab3b	0.52623655	0.65018875	0.51408777	0.13610098	0.10870944	0.65261673
Lman1	1.74067849	1.2246966	1.08864458	0.13605201	0.28020069	0.89054584
Rpl34	4.69599214	0.92503618	0.78902528	0.1360109	0.21095826	0.89054584
Calml4	0.30918519	0.45403435	0.3181372	0.13589715	0.02328788	0.22433735
St3gal4	0.4041888	0.54249143	0.40719428	0.13529715	0.06080975	0.4511872
Pgrmc1	1.63564786	1.20386179	1.06866594	0.13519585	0.27779717	0.89054584
Cd164l2	0.63690333	0.73800952	0.60293126	0.13507825	0.14829588	0.77505178
Lgals3	0.07830047	0.21864387	0.08374542	0.13489846	3.08E-14	2.36E-12
Ramp1	0.44187155	0.57596845	0.4411408	0.13482766	0.0772332	0.52992284
Mia	0.36136583	0.50227541	0.36764774	0.13462766	0.04400016	0.36020009
Col6a6	0.23381694	0.37867527	0.24423826	0.13443701	0.00516714	0.06748932
Raly	1.54974958	1.18309323	1.04871753	0.1343757	0.27526511	0.89054584
Upp1	0.32075217	0.46360409	0.32923413	0.13436996	0.02862165	0.25999793
Il1r1	0.3195159	0.4623706	0.32805137	0.13431923	0.02822254	0.25750178
Cycs	2.09338912	1.25727107	1.12305837	0.1342127	0.28884112	0.89054584
Gck	0.77306844	0.83496262	0.70078866	0.13417396	0.18619452	0.87252679
Pax4	0.2029572	0.34699703	0.21322443	0.1337726	0.00173381	0.02662793
Cenpm	0.20423005	0.34827057	0.21451178	0.13375879	0.00183578	0.028016
Nkx2-3	0.23983636	0.38384461	0.25023865	0.13360596	0.00643268	0.08053629
Fopnl	0.84532911	0.88088063	0.74734099	0.13353965	0.20256642	0.89054584

Lhfpl2	0.25840803	0.4020936	0.26864557	0.13344803	0.01032563	0.12043522
Atox1	1.79845575	1.23093442	1.09753748	0.13339695	0.28560946	0.89054584
Cd164	1.34808306	1.12135021	0.98803346	0.13331674	0.26479321	0.89054584
Rps12-ps3	1.60742078	1.19547143	1.06246795	0.13300348	0.27987171	0.89054584
Igfbp6	0.09760975	0.23724021	0.10435964	0.13288057	1.49E-09	6.86E-08
Unc93b1	0.18842411	0.33098533	0.19847624	0.13250909	0.00093399	0.0155652
Phyh	0.74142143	0.81167695	0.67921294	0.13246401	0.1817771	0.86128898
Smarca2	0.98772351	0.9605225	0.82815388	0.13236862	0.22823698	0.89054584
Txnrd2	0.28428033	0.42611472	0.2940191	0.13209562	0.01816794	0.18800767
Gm1673	1.07308513	1.0040191	0.87194321	0.13207588	0.24018613	0.89054584
Nfix	0.40906769	0.54337994	0.411635	0.13174495	0.06796666	0.48757084
Idh2	1.89710786	1.24103289	1.10939412	0.13163877	0.29019271	0.89054584
Sap30	0.53068423	0.6493621	0.5178119	0.1315502	0.11828477	0.68802988
Ass1	0.22363236	0.36532994	0.23404956	0.13128038	0.00448442	0.06019921
Adamtsl1	0.19494624	0.3362148	0.20510614	0.13110866	0.00145019	0.02285303
Guk1	1.3282369	1.11197951	0.98097302	0.13100648	0.26690851	0.89054584
Trem2	0.04814344	0.182368	0.0515112	0.1308568	1.28E-32	2.81E-30
Maob	0.30063267	0.44071796	0.30989004	0.13082792	0.02459795	0.23354365
Serp1	1.79998629	1.22828195	1.09775359	0.13052835	0.28979926	0.89054584
Gskip	0.38732668	0.52204288	0.39174233	0.13030054	0.06061306	0.44995811
Ndufc1	2.17211197	1.25667535	1.12644217	0.13023318	0.29506705	0.89054584
Slc46a3	0.08493456	0.22087544	0.09083048	0.13004496	1.28E-11	7.46E-10
Lgmn	0.48554243	0.60948596	0.4794426	0.13004336	0.10317157	0.63193134
Myo1c	0.22702534	0.36737029	0.23744899	0.12992131	0.00539912	0.06995212
Vamp5	0.17728029	0.31680356	0.1871068	0.12969677	0.00062017	0.01099174
Psap	2.03718466	1.24959736	1.12006969	0.12952767	0.29502221	0.89054584
Cox17	1.59139166	1.18831595	1.05878832	0.12952763	0.28435414	0.89054584
Klf6	0.57910475	0.68704171	0.55753329	0.12950842	0.13957801	0.74975989
Stab1	0.09354518	0.22934655	0.1000224	0.12932416	8.52E-10	4.04E-08
Csrp1	0.67805063	0.76312698	0.63387047	0.1292565	0.17104751	0.83552788

Atp5e	3.26251224	1.19641088	1.0672457	0.12916518	0.28642604	0.89054584
Rgs4	0.183481	0.32232131	0.19343941	0.1288819	0.00095433	0.01583051
Ccdc85b	0.37109732	0.50560287	0.37672318	0.12887968	0.05548404	0.42238211
Rgs10	0.23315657	0.37238311	0.24357897	0.12880413	0.00687671	0.08550476
Pdgfra	0.2148805	0.3538309	0.22525721	0.12857369	0.00391564	0.05365682
Hoxb6	0.13439503	0.27127791	0.14288657	0.12839134	1.42E-05	0.00036184
Ndufv3	2.05557192	1.249439	1.12108927	0.12834974	0.29688303	0.89054584
Fkbp9	1.09867235	1.01268257	0.8845294	0.12815317	0.24983762	0.89054584
Anxa7	0.57612382	0.68316308	0.55513151	0.12803157	0.14129821	0.75759671
Sep-01	0.21131824	0.34954937	0.2216687	0.12788067	0.00359683	0.04999704
Racgap1	0.1768912	0.31457379	0.18670893	0.12786486	0.00070987	0.01232539
Nfic	0.72013857	0.79207425	0.66430104	0.12777321	0.18509658	0.86930035
Adipor1	1.15561577	1.03871814	0.91097643	0.12774171	0.25678138	0.89054584
Vwa1	0.13950602	0.2759334	0.14819467	0.12773873	2.96E-05	0.00070737
Ifnar2	0.36824058	0.50160994	0.37406434	0.12754559	0.05607874	0.42589295
Fam92b	0.38598853	0.51795584	0.39050954	0.1274463	0.06419427	0.46799603
Gm10260	4.43798482	0.98121282	0.85418816	0.12702466	0.2442106	0.89054584
Slc35g2	0.37040277	0.50302421	0.37607716	0.12694705	0.05789961	0.43561417
Rasgrp2	0.21292541	0.35018	0.22328841	0.1268916	0.00405316	0.05522805
Ptprcap	0.05338299	0.18390736	0.05711431	0.12679305	2.26E-25	3.68E-23
Trp53i11	0.56910982	0.67622477	0.54945808	0.12676669	0.14121543	0.75743297
Psip1	1.05212017	0.98781303	0.86132436	0.12648866	0.2469299	0.89054584
Acot1	0.49184057	0.61120099	0.48487099	0.12633	0.11240117	0.66731865
Itgb1	1.74089646	1.21494595	1.08868105	0.1262649	0.29448039	0.89054584
Cyb5a	1.23345007	1.07071107	0.94445843	0.12625264	0.26670974	0.89054584
Pim1	0.2016185	0.33794023	0.21186973	0.12607049	0.00278355	0.04031556
Serpib1a	0.25654894	0.39286052	0.26681012	0.12605039	0.01386638	0.15195374
Ly6d	0.03451074	0.1629459	0.03692879	0.12601711	3.25E-57	1.24E-54
Fkbp4	2.06306674	1.24732779	1.12148154	0.12584625	0.30055681	0.89054584
Tpx2	0.15593116	0.29088186	0.16518427	0.12569759	0.00019613	0.00385818

Tnfrsf1a	0.38913908	0.51909647	0.39341056	0.1256859	0.06831905	0.48937232
Rnaseh2c	0.85524929	0.87899322	0.75343541	0.12555782	0.21875672	0.89054584
Fam220a	0.50254546	0.6195413	0.49404308	0.12549821	0.11831001	0.68802988
Itm2b	3.67529804	1.13865935	1.01338089	0.12527846	0.28232173	0.89054584
Fap	0.25348123	0.38899298	0.26377814	0.12521484	0.01349757	0.14890122
Mmrn1	0.06035994	0.18933512	0.06457382	0.1247613	1.11E-19	1.36E-17
Larp7	0.7250723	0.79244534	0.66778642	0.12465892	0.19223024	0.88530942
Gstm2	0.30882633	0.44244286	0.31779189	0.12465097	0.03381779	0.29600565
Rangap1	1.01117467	0.96482557	0.84028838	0.12453719	0.24494278	0.89054584
Lima1	0.45531752	0.57756222	0.45305538	0.12450685	0.1002108	0.62272587
Ddx21	0.56313498	0.66903195	0.54460015	0.1244318	0.14355381	0.76537874
Bok	0.15300366	0.28653986	0.16216374	0.12437612	0.00017625	0.00350037
Kpna2	0.43814534	0.56201288	0.43782083	0.12419205	0.09315851	0.59577065
Cdh1	0.74577729	0.80613153	0.68222521	0.12390632	0.19873152	0.89054584
Gm43861	0.29685269	0.43006341	0.30623322	0.12383019	0.02978819	0.26824174
Sapcd1	0.17981722	0.31348634	0.18969952	0.12378682	0.00118229	0.01917321
Ezh2	0.56195828	0.66741895	0.54364064	0.12377831	0.14439799	0.76687762
Hes6	0.9431621	0.92811716	0.80434207	0.12377509	0.23670715	0.89054584
lsg20	0.36274512	0.49268335	0.36893696	0.12374638	0.05906499	0.44094965
Lrp1	0.30690097	0.43949064	0.31593818	0.12355246	0.03423127	0.29872948
St3gal5	0.34418599	0.47489135	0.35150423	0.12338712	0.05098162	0.39853675
Ppp1cb	1.81110191	1.22262571	1.09929191	0.12333381	0.30058991	0.89054584
Ak1	0.4919378	0.60824701	0.4849546	0.12329241	0.11811439	0.68771984
1110001J03F	0.95910621	0.93614171	0.81300702	0.12313469	0.24021099	0.89054584
F13a1	0.0435734	0.16974246	0.04662335	0.12311911	4.37E-35	1.13E-32
Gja1	0.25210755	0.38546819	0.26241902	0.12304918	0.01445933	0.15690974
P2ry1	0.2819917	0.41479583	0.29178765	0.12300818	0.02476168	0.23463713
Klhdc8b	0.85035892	0.87344718	0.75044007	0.1230071	0.22253423	0.89054584
Rpgrip1	0.26663252	0.39937984	0.27674655	0.12263329	0.0194855	0.19777702
Rgs3	0.45162682	0.57226973	0.44979582	0.12247391	0.10229673	0.62949832

Enho	0.47256326	0.59063761	0.46817838	0.12245923	0.11149471	0.66356743
Ogt	1.12041868	1.01728347	0.89487438	0.12240909	0.26196716	0.89054584
Fabp7	0.04721335	0.17241706	0.05051648	0.12190057	1.26E-29	2.51E-27
Rps18	5.22160161	0.79355623	0.67172026	0.12183597	0.19904586	0.89054584
Phactr2	0.34256356	0.47173082	0.34997146	0.12175936	0.05251925	0.40587639
Tmem163	0.49378346	0.60815448	0.48654058	0.12161391	0.12210426	0.70054116
Usmg5	2.89898442	1.22461319	1.10316011	0.12145307	0.30400052	0.89054584
Tmem215	0.17851381	0.30958567	0.1883677	0.12121798	0.00135829	0.02159264
Gm561	0.84201706	0.86646445	0.74529015	0.1211743	0.22438054	0.89054584
Pla2g16	0.65894572	0.74049294	0.61965008	0.12084286	0.18178675	0.86128898
Camk1	0.61315071	0.70533096	0.58454547	0.12078549	0.1678531	0.82942543
Orc6	0.90850108	0.90565186	0.78492996	0.12072191	0.23682799	0.89054584
Rab25	0.72297518	0.78693966	0.66630705	0.12063261	0.19947853	0.89054584
Col12a1	0.24235571	0.37269694	0.25274507	0.11995187	0.0135139	0.14890122
Ctse	0.0532359	0.17673167	0.05695702	0.11977465	5.78E-23	8.22E-21
Cda	0.44491122	0.56351606	0.44384374	0.11967232	0.1045259	0.63753323
Rogdi	0.91429245	0.90775959	0.78823114	0.11952845	0.23994228	0.89054584
F3	0.62921723	0.71648283	0.59702302	0.11945981	0.17561166	0.84465613
Sptssa	1.22867716	1.06162426	0.94251321	0.11911105	0.27800498	0.89054584
Asb4	0.2273704	0.3568134	0.23779441	0.11901899	0.00985412	0.11605605
Hotairm1	0.14439641	0.27219246	0.15326414	0.11892832	0.00015006	0.00301325
Wnk3	0.30944799	0.43727761	0.31839002	0.11888759	0.04095939	0.34167394
Irf8	0.05479324	0.17748906	0.05862224	0.11886682	1.75E-21	2.39E-19
Rras2	0.27028377	0.39900487	0.28033257	0.1186723	0.02429026	0.231188
Rbbp7	1.72951194	1.20531707	1.08674793	0.11856914	0.3056174	0.89054584
Snx5	1.09514322	1.00136583	0.88281872	0.11854711	0.26578399	0.89054584
Klf10	0.58139191	0.67774757	0.55937207	0.1183755	0.1620825	0.81451372
Uba7	0.11970535	0.24594324	0.12757529	0.11836795	7.71E-06	0.00020729
Serpina6	0.09602326	0.22102179	0.10266686	0.11835494	3.92E-08	1.48E-06
Tspan13	0.97437969	0.93949609	0.82114693	0.11834915	0.25095817	0.89054584

Rnf26	0.41239706	0.53263006	0.41465749	0.11797257	0.09250318	0.5928873
H2-Eb1	0.0378177	0.15842601	0.04046657	0.11795944	2.60E-42	8.03E-40
Lrp11	0.74048246	0.79649973	0.67856182	0.11793791	0.20904178	0.89054584
Lrrc42	0.71595059	0.77918312	0.66132884	0.11785429	0.20319534	0.89054584
Rps5	5.18336309	0.79388894	0.67631664	0.1175723	0.20899306	0.89054584
Fzd2	0.33703862	0.46225307	0.34474134	0.11751173	0.05613302	0.42608192
Amotl2	0.38900942	0.51078532	0.39329126	0.11749406	0.08198564	0.55080068
Rsad2	0.05337591	0.17448041	0.05710674	0.11737367	5.06E-22	6.98E-20
Ndrp2	0.37149108	0.49444374	0.37708931	0.11735443	0.07354114	0.51488639
Chac2	0.30602482	0.4323793	0.315094	0.1172853	0.04144431	0.34472728
Tax1bp3	0.9666874	0.93434488	0.81706223	0.11728265	0.25182646	0.89054584
Chodl	0.08117771	0.20407524	0.08681857	0.11725668	1.56E-10	8.15E-09
Fkbp14	0.42189056	0.54045989	0.42324257	0.11721731	0.0984738	0.61600365
Nenf	1.98687601	1.23367566	1.1168685	0.11680716	0.31303947	0.89054584
Ccdc34	0.74650932	0.79939728	0.6827301	0.11666718	0.2129767	0.89054584
Ucp2	0.7466676	0.79913291	0.68283922	0.11629369	0.213755	0.89054584
Pdk3	0.32661775	0.45106019	0.33483501	0.11622518	0.05292043	0.40810662
Sox17	0.08708882	0.20916245	0.09313062	0.11603183	3.23E-09	1.41E-07
Exoc1	0.24933566	0.3754615	0.2596738	0.1157877	0.01888202	0.19341421
Mthfd2l	0.48219298	0.592104	0.47654566	0.11555834	0.12928988	0.72010939
Egflam	0.19318462	0.31876155	0.20331721	0.11544434	0.00408013	0.05549132
Zfp36l2	0.48380577	0.59335853	0.47794143	0.1154171	0.13027795	0.72297247
Thbs2	0.20067339	0.32628594	0.21091287	0.11537307	0.005409	0.069967
Celf3	0.66084312	0.73641679	0.62107378	0.11534301	0.19345424	0.88812525
Fam46c	0.31229318	0.43631103	0.3211255	0.11518553	0.04734795	0.37820971
Pdcd4	0.81964217	0.84635388	0.73122728	0.1151266	0.2316214	0.89054584
Itga6	0.31241791	0.43629608	0.32124532	0.11505076	0.04760304	0.37982877
Vamp7	0.75551473	0.80393513	0.68890965	0.11502548	0.21831649	0.89054584
Stx8	0.59344826	0.68389308	0.56900713	0.11488595	0.17343747	0.83899716
Ppie	0.52679198	0.62922456	0.51455353	0.11467103	0.14957214	0.77846267

Cir1	0.54446063	0.64386515	0.52926624	0.11459891	0.15654172	0.79857208
Spock2	0.59620556	0.6857464	0.57119699	0.11454942	0.17507022	0.84296516
Gm2a	0.32639352	0.44895693	0.33462123	0.1143357	0.05570367	0.423293
Derl3	0.11685641	0.23883525	0.12459649	0.11423876	9.70E-06	0.00025809
Sipa1	0.34803123	0.46900658	0.35513134	0.11387524	0.06759818	0.4851675
Tspan8	0.12576796	0.24760942	0.13390406	0.11370536	3.81E-05	0.00088581
Hspa12b	0.14782266	0.27051212	0.15681025	0.11370187	0.00036486	0.00676645
Ctsk	0.19404237	0.31773349	0.20418842	0.11354506	0.00478845	0.06359404
Arap1	0.45030544	0.56207731	0.44862681	0.11345051	0.11936415	0.69138694
Aldh2	0.85280398	0.86523674	0.75193986	0.11329687	0.24134717	0.89054584
Pxdc1	0.10016188	0.22036627	0.10708071	0.11328556	4.13E-07	1.38E-05
Rdx	1.52690977	1.15586704	1.04283609	0.11303095	0.30678873	0.89054584
Tssc4	0.8668395	0.87326559	0.76046461	0.11280098	0.24476125	0.89054584
Zdbf2	0.59869024	0.68591648	0.57316595	0.11275054	0.17970623	0.85590699
Atg101	0.48083769	0.58812054	0.4753715	0.11274904	0.13457723	0.73460117
Nrp2	0.15415831	0.27604303	0.16335549	0.11268754	0.00065478	0.01149267
Nek6	0.25191559	0.37489846	0.26222902	0.11266943	0.02265513	0.22058704
Eef2	3.85757467	1.10315715	0.99089392	0.11226323	0.29880718	0.89054584
Msl3	0.37960975	0.4968463	0.38461916	0.11222714	0.08700649	0.57045578
Fam110b	0.41159616	0.5260299	0.41393099	0.11209891	0.103526	0.63276555
Ubal2	1.1879782	1.03733659	0.92528705	0.11204953	0.28631444	0.89054584
Nt5c2	0.57222073	0.66383607	0.55197811	0.11185796	0.17255134	0.83703076
Nrtn	0.30798788	0.42876115	0.31698487	0.11177628	0.05020681	0.39431114
Vimp	1.44027623	1.12998507	1.01832375	0.11166131	0.30472364	0.89054584
Lcp1	0.10494614	0.22375693	0.11211075	0.11164618	1.75E-06	5.24E-05
Nme1	2.38480411	1.2409115	1.12939806	0.11151344	0.32275447	0.89054584
Bcl2	0.329374	0.44891055	0.33746068	0.11144987	0.06194324	0.45632783
Adgrb3	0.10982848	0.22842772	0.11723531	0.1111924	4.96E-06	0.00013783
Nrarp	0.14765708	0.26782423	0.15663899	0.11118524	0.0004715	0.00855546
Gm9844	0.86774351	0.87204838	0.76100889	0.11103949	0.24831863	0.89054584

Nynrin	0.21315437	0.33452892	0.22351907	0.11100986	0.01033812	0.12048402
Phip	1.44474076	1.13047953	1.01968436	0.11079516	0.30634989	0.89054584
Limd2	1.05749222	0.97467488	0.86407353	0.11060136	0.27547266	0.89054584
Zdhhc16	0.39959291	0.51356264	0.40299866	0.11056398	0.10059025	0.62288099
Ehd1	0.59701706	0.68234019	0.57184051	0.11049968	0.18398799	0.86722786
Coq2	0.81158624	0.8365728	0.72607443	0.11049837	0.23915427	0.89054584
Rpa2	0.38095386	0.49631281	0.38586224	0.11045056	0.09116886	0.58666938
Socs2	0.36134827	0.47806655	0.36763133	0.11043522	0.08082701	0.5452908
Adamts2	0.16190107	0.28175758	0.17133324	0.11042434	0.00133803	0.02131727
Creb5	0.18085365	0.30108335	0.19075805	0.1103253	0.00352463	0.04918201
Cdca7	0.24504065	0.36572282	0.255413	0.11030982	0.02210253	0.21666161
Tspo2	0.03586861	0.14857149	0.03838146	0.11019003	4.21E-41	1.22E-38
Slc25a19	0.18180327	0.30181422	0.19172753	0.11008669	0.00373552	0.05172638
Ythdc1	1.10208341	0.99567441	0.88617493	0.10949948	0.28241634	0.89054584
Sdc4	0.2444302	0.3638364	0.25480671	0.10902969	0.02310213	0.22314101
Fndc3a	1.18044368	1.030987	0.92200088	0.10898612	0.29091445	0.89054584
Slc9a3r1	0.40093813	0.51300891	0.40422797	0.10878094	0.10496501	0.63913594
Ly86	0.05825726	0.17099741	0.06232591	0.1086715	2.27E-16	2.11E-14
Smim15	0.50272662	0.60270401	0.49419769	0.10850632	0.1531729	0.78856652
Ldb2	0.24852734	0.36733348	0.25887258	0.10846091	0.02547054	0.2394741
Adamts9	0.26327801	0.3817935	0.27344633	0.10834717	0.03244579	0.28647936
Pon2	0.30107119	0.41857607	0.31031381	0.10826226	0.05203749	0.40344362
Becn1	0.7424114	0.78815858	0.67989875	0.10825983	0.2290921	0.89054584
Edem2	0.77202762	0.80822885	0.70009051	0.10813834	0.23587465	0.89054584
Cd82	0.36600332	0.47997899	0.37197893	0.10800006	0.08808002	0.57428752
Ptms	1.95093368	1.22202716	1.11417823	0.10784893	0.32600531	0.89054584
Ndufb8	2.34568536	1.23718464	1.12949501	0.10768963	0.32844965	0.89054584
Slc29a1	0.64903506	0.71980959	0.61217401	0.10763558	0.20634785	0.89054584
Nap111	2.08395606	1.23007953	1.12258279	0.10749674	0.32775066	0.89054584
Atp6v0d1	1.26087898	1.06284801	0.95552671	0.1073213	0.30039131	0.89054584

Clec4a2	0.04141412	0.15158107	0.0443137	0.10726737	8.46E-30	1.73E-27
Smtnl2	0.25211366	0.36953795	0.26242506	0.10711289	0.02861045	0.25999793
Wfdc15b	0.20708889	0.32445744	0.21740092	0.10705651	0.01088834	0.12538461
Naalad2	0.1557576	0.27201855	0.16500529	0.10701326	0.0012575	0.02018966
Phlda1	0.57361015	0.66004913	0.55310163	0.10694749	0.18383381	0.86722786
Vps8	0.26456771	0.38163004	0.27471579	0.10691425	0.03490259	0.30373211
Pitx2	0.07212469	0.18395466	0.07714764	0.10680702	5.59E-11	3.01E-09
Fhl1	0.15775044	0.27379922	0.16705964	0.10673958	0.00145665	0.02292991
Pgf	0.36930894	0.48178671	0.37505922	0.10672749	0.09246023	0.59287414
Cpb1	0.07907294	0.19121912	0.08457053	0.10664859	2.11E-09	9.57E-08
Acvrl1	0.20835224	0.32530994	0.21867658	0.10663337	0.01154803	0.13162217
Odc1	0.67010049	0.73456483	0.62798394	0.10658089	0.21455619	0.89054584
Fam162a	0.94333657	0.91084859	0.80443759	0.106411	0.26885331	0.89054584
Rsrc1	0.606	0.68533981	0.57893578	0.10640403	0.19592195	0.89054584
Banf1	0.96112225	0.92044919	0.81408951	0.10635968	0.27136686	0.89054584
Spc24	0.3477952	0.46124538	0.35490892	0.10633646	0.08137318	0.54770118
Arhgdig	0.14664142	0.26181463	0.15558821	0.10622642	0.00073422	0.01267228
Rrm1	0.38045534	0.49159647	0.38540131	0.10619516	0.0996156	0.62085259
Slc2a5	0.39456629	0.50447545	0.39839605	0.1060794	0.10739183	0.64845225
Decr1	0.30533406	0.42040472	0.31442817	0.10597654	0.05817565	0.4365583
Hoxa5	0.23408579	0.3504314	0.24450662	0.10592478	0.02177797	0.21405898
Hmmr	0.10582255	0.21881252	0.11303128	0.10578124	6.50E-06	0.00017714
Celf4	0.31051069	0.4251314	0.31941214	0.10571926	0.0615344	0.45470217
Rpl22l1	4.1403229	1.03649204	0.93077725	0.10571479	0.29835137	0.89054584
Neurod2	0.1145018	0.22758474	0.12213227	0.10545247	2.88E-05	0.00068948
Atp6v0e2	0.44997844	0.55365277	0.44833735	0.10531542	0.1368908	0.74192255
Zadh2	0.27346184	0.38872585	0.28344861	0.10527724	0.04177911	0.34614674
Irs4	0.06114774	0.17067282	0.06541599	0.10525683	3.28E-14	2.49E-12
Anapc13	1.95932258	1.22007675	1.11483291	0.10524384	0.33003405	0.89054584
Anapc11	1.61151416	1.16858908	1.06338693	0.10520215	0.32242992	0.89054584

Gfra3	0.41735441	0.52431757	0.41914666	0.10517091	0.12120053	0.69728784
Nrep	0.84431557	0.85183582	0.74671426	0.10512156	0.25595057	0.89054584
Prrg2	0.80921913	0.82966498	0.72455156	0.10511341	0.24955522	0.89054584
Dok4	0.21311571	0.32855243	0.22348011	0.10507232	0.0142452	0.15505027
Gnl3	0.63025338	0.70280907	0.59782186	0.10498721	0.20662562	0.89054584
Ndufb4	2.26061005	1.23355331	1.12857576	0.10497755	0.33237514	0.89054584
Sptbn1	1.19298448	1.03241491	0.9274668	0.1049481	0.29903239	0.89054584
Chd7	0.85570871	0.85865852	0.7537159	0.10494262	0.25827216	0.89054584
Chd2	0.68399802	0.74317484	0.63824589	0.10492894	0.22185614	0.89054584
Csf1r	0.03988289	0.14749881	0.04267576	0.10482305	1.27E-30	2.66E-28
Mad2l1bp	0.2210292	0.33623713	0.23143795	0.10479918	0.01744423	0.18264153
Rhd	0.04182167	0.14947063	0.04474964	0.10472099	5.60E-28	1.04E-25
Rbms1	0.81697145	0.83396116	0.72952426	0.1044369	0.25239801	0.89054584
Jund	1.47808491	1.13388546	1.02945596	0.1044295	0.31824581	0.89054584
Cmtm7	0.33069007	0.44291781	0.33871298	0.10420482	0.07588318	0.52338458
Gm21988	0.16713834	0.28090206	0.1767157	0.10418636	0.00300923	0.04311047
1110059G10	0.42573122	0.53079553	0.42670112	0.10409442	0.12786194	0.71595682
Dhrs3	0.11712226	0.22893594	0.12487459	0.10406135	5.17E-05	0.00116776
Camk2d	0.26295904	0.37680443	0.27313223	0.10367219	0.03849837	0.32813014
Gdi1	1.29689095	1.07305552	0.96939394	0.10366158	0.30917113	0.89054584
Baiap3	0.74785569	0.7871771	0.6836577	0.10351939	0.2402631	0.89054584
Clec11a	0.20933659	0.32301436	0.21967002	0.10334434	0.01419657	0.15463706
Mcm4	0.34040466	0.45115605	0.34792969	0.10322636	0.0834476	0.55675256
Lrrc59	0.71853642	0.76637058	0.66316547	0.10320511	0.23421141	0.89054584
Xlr4b	0.10649102	0.21685793	0.11373322	0.10312471	1.20E-05	0.00031183
Spon1	0.22358697	0.33705818	0.23400406	0.10305412	0.02009589	0.20204592
Anxa11	0.37102784	0.47966581	0.37665857	0.10300723	0.10131212	0.62529723
Rnf181	0.69954628	0.75234522	0.64956768	0.10277754	0.23051291	0.89054584
Tpst1	0.65094846	0.71630674	0.61362246	0.10268428	0.2178036	0.89054584
Lsg1	0.44103382	0.54287286	0.44039505	0.10247781	0.1391573	0.74916543

Ubxn8	0.21559771	0.32841163	0.22597902	0.10243261	0.01735085	0.18217078
Pls3	0.41382311	0.5183455	0.41595014	0.10239536	0.1257111	0.70971942
Eef1d	2.30258886	1.23137898	1.12911856	0.10226042	0.33653279	0.89054584
Urod	0.77154633	0.80202452	0.69976741	0.10225711	0.24799531	0.89054584
Pdia5	0.39326182	0.49932726	0.39719927	0.10212799	0.11547637	0.67725583
Wasf3	0.04065514	0.14558764	0.04350184	0.1020858	4.00E-28	7.53E-26
Ptger3	0.20884564	0.32121519	0.21917459	0.1020406	0.01503936	0.1619599
Anpep	0.24623581	0.35863251	0.25659951	0.102033	0.0319728	0.28281976
Ang	0.21955004	0.33184154	0.22995262	0.10188893	0.01949396	0.19777702
Isoc1	0.51568005	0.60684391	0.50519926	0.10164465	0.17428525	0.84142109
Pea15a	0.76681795	0.7981998	0.69658421	0.10161559	0.24836869	0.89054584
Il7r	0.04046848	0.14452021	0.04330217	0.10121804	6.42E-28	1.18E-25
Epha4	0.19504438	0.30628756	0.20520577	0.10108179	0.01086839	0.12527997
P3h3	0.27468283	0.38566629	0.28464446	0.10102183	0.04911631	0.38865305
Usp1	0.48801086	0.58258266	0.48157308	0.10100958	0.16423278	0.81857464
Pdia2	0.05261566	0.15726815	0.05629379	0.10097436	3.22E-17	3.31E-15
Ghr	0.91526757	0.88972292	0.78878454	0.10093838	0.27552392	0.89054584
Asb2	0.04051653	0.14422967	0.04335357	0.1008761	1.11E-27	2.00E-25
Dap	1.17492313	1.02033406	0.91958101	0.10075305	0.30486721	0.89054584
S100a4	0.06295341	0.16802328	0.06734618	0.1006771	1.65E-12	1.08E-10
Zim1	0.45847607	0.55643642	0.45583842	0.100598	0.15193453	0.78458375
Rpl10a	4.55600783	0.92593377	0.82558659	0.10034719	0.28560236	0.89054584
Wls	0.9115452	0.88699681	0.78666824	0.10032857	0.27619486	0.89054584
Col26a1	0.17459207	0.28466504	0.18435669	0.10030836	0.00562354	0.07227842
Xlr3a	0.31537677	0.42436528	0.32408564	0.10027964	0.07470977	0.51900827
1810058124R	1.69440672	1.18063811	1.08040817	0.10022995	0.33279365	0.89054584
Slc25a25	0.20508558	0.31560529	0.21537667	0.10022862	0.01507534	0.16213823
Scfd1	0.85887574	0.85574783	0.75564524	0.10010259	0.26855671	0.89054584
Cope	2.23896848	1.22823771	1.12818876	0.10004894	0.3397448	0.89054584
Al662270	0.06367899	0.16813153	0.06812176	0.10000978	3.96E-12	2.44E-10

Tie1	0.1043664	0.21117838	0.11150167	0.09967671	1.56E-05	0.00039484
Tgfb2	0.19990773	0.30980963	0.21013739	0.09967224	0.01355861	0.14891872
Klhl4	0.07133104	0.17577212	0.07629962	0.0994725	6.24E-10	3.01E-08
Mdfi	0.33734506	0.44444926	0.34503185	0.09941741	0.08972889	0.58049509
Cav2	0.14421456	0.25238656	0.1530758	0.09931076	0.00125317	0.02014245
Crtap	0.37087526	0.47579232	0.37651667	0.09927566	0.10964525	0.65546703
Ahi1	0.47606821	0.57044839	0.47123044	0.09921795	0.16331021	0.81700185
Tspan6	0.5503308	0.63323289	0.53411048	0.09912241	0.19362221	0.88861501
Abhd2	0.19277015	0.30196606	0.20289612	0.09906994	0.01145705	0.13110054
Pdlim4	0.31317503	0.42104194	0.32197254	0.09906941	0.07585266	0.52338458
Pamr1	0.24053624	0.34999905	0.25093524	0.09906382	0.03293925	0.29030594
Smpd3	0.4303553	0.52986853	0.43085366	0.09901487	0.14215769	0.76136024
Ap3b2	0.42406202	0.52404628	0.42519905	0.09884723	0.13938707	0.74952855
Fmo2	0.15853592	0.26666406	0.16786893	0.09879513	0.0030542	0.04358243
Cox6b2	0.29556642	0.4037745	0.30498723	0.09878727	0.06564171	0.47441352
Myadm	0.54690605	0.62985236	0.53128662	0.09856574	0.19370072	0.888694
Try4	0.04214731	0.14322931	0.04509797	0.09813134	1.88E-24	2.90E-22
Crlf3	0.27628271	0.38434045	0.28621031	0.09813013	0.05509212	0.4206472
Gm16141	0.2209465	0.32948129	0.23135492	0.09812636	0.02407552	0.23009023
Armt1	0.2187347	0.32718511	0.22913347	0.09805165	0.02309398	0.22314101
Ptgr1	0.23103995	0.3391995	0.24146447	0.09773503	0.0296643	0.26745229
Sct	0.18355435	0.29122485	0.19351422	0.09771062	0.00932568	0.1108227
Rab3il1	0.10684248	0.21170261	0.1141022	0.09760041	3.37E-05	0.00079359
Pmf1	0.36295509	0.46670954	0.36913318	0.09757636	0.10906037	0.65364084
Xab2	0.38872891	0.49039598	0.39303311	0.09736287	0.12422522	0.70545441
Hps5	0.15795291	0.26439828	0.16726827	0.09713001	0.00341139	0.04792476
Nucks1	0.95988098	0.91035697	0.81342337	0.0969336	0.28938092	0.89054584
Hacd4	0.14303674	0.24854935	0.15185561	0.09669374	0.0015057	0.02354648
Dnm3os	0.20746286	0.31432405	0.2177786	0.09654545	0.01944266	0.19767162
Thy1	0.12333363	0.22754208	0.13136452	0.09617756	0.00032361	0.0060853

Fam46a	0.46229297	0.55536851	0.4591935	0.09617501	0.16458572	0.81899774
Gnb4	0.30363411	0.40881907	0.31278855	0.09603052	0.07630672	0.5255557
Tbcb	1.49165773	1.12905487	1.03326805	0.09578682	0.3329082	0.89054584
Rgmb	0.1881508	0.29378916	0.19819802	0.09559114	0.0123196	0.13867203
Man2a1	0.37563312	0.47640652	0.38093552	0.09547101	0.12147693	0.69832374
Rab34	0.81911131	0.82633522	0.73088918	0.09544603	0.27145908	0.89054584
Gnb2l1	3.2039559	1.17036808	1.07492415	0.09544393	0.33955662	0.89054584
Tmem218	0.36112879	0.46279024	0.36742609	0.09536415	0.11329075	0.6704038
Dnajb2	0.61383294	0.68017108	0.58507886	0.09509222	0.22446126	0.89054584
Pclo	0.57493196	0.64924547	0.55416956	0.0950759	0.21205546	0.89054584
Plk1	0.1057723	0.20803585	0.11297851	0.09505734	4.43E-05	0.00101119
Reg1	0.04907359	0.14747972	0.05250596	0.09497376	1.77E-17	1.87E-15
Pgam1	2.2171219	1.22260245	1.12769223	0.09491022	0.3474879	0.89054584
Srp54b	1.65957809	1.16852639	1.07363548	0.09489091	0.34025391	0.89054584
Tgm2	0.21664065	0.32167973	0.22702825	0.09465147	0.02604542	0.24285937
Lyl1	0.06726124	0.16659837	0.07195049	0.09464787	4.43E-10	2.19E-08
Gpc1	0.22378153	0.32875548	0.23419913	0.09455635	0.02998482	0.2691764
3830406C13I	0.41201787	0.50886523	0.41431358	0.09455166	0.14383883	0.76611882
Sp3os	0.53864994	0.61898051	0.52444993	0.09453057	0.20052132	0.89054584
Pcgf6	0.33790225	0.43983185	0.34555996	0.0942719	0.10186406	0.62763501
Sult5a1	0.13164266	0.23426893	0.14002388	0.09424505	0.00085703	0.01451544
Sox11	0.24708316	0.35156094	0.25744031	0.09412063	0.04425437	0.36105784
Thbd	0.1650878	0.26861657	0.17460965	0.09400693	0.00606574	0.07673749
Tbc1d1	0.32181042	0.42413236	0.33024595	0.09388641	0.09266827	0.59368299
Cd200	0.54949681	0.62728688	0.53342351	0.09386337	0.20616329	0.89054584
Zfhx4	0.18228045	0.28594531	0.19221454	0.09373077	0.01154723	0.13162217
Gins2	0.28053653	0.38404479	0.29036755	0.09367723	0.06641318	0.47760826
Gnaz	0.46094968	0.55162837	0.45801374	0.09361462	0.17048431	0.83412025
Mvd	0.36834955	0.4676521	0.37416585	0.09348625	0.1222023	0.70076598
Maff	0.2472218	0.3509567	0.25757785	0.09337885	0.04561062	0.36818637

Eef2k	0.20368636	0.30731228	0.21396198	0.0933503	0.02104307	0.20845964
Dusp23	0.26814059	0.37150353	0.27822846	0.09327507	0.0591566	0.44117919
Eif4a2	2.54813466	1.21826328	1.12499792	0.09326536	0.34965992	0.89054584
Ace2	0.13338551	0.23508874	0.14183693	0.09325181	0.00109544	0.01788478
H3f3b	4.70004075	0.88107464	0.78791287	0.09316176	0.29086244	0.89054584
Creb3l1	0.36135245	0.46069305	0.36763523	0.09305782	0.11914008	0.6908542
Mllt3	0.19433297	0.29749448	0.20448352	0.09301097	0.01703861	0.17965514
Gm10941	0.28135161	0.38403862	0.29116311	0.09287551	0.0686245	0.49131753
1810037117R	2.03046538	1.21253551	1.11968955	0.09284596	0.34962806	0.89054584
Srpx2	0.13855142	0.24004798	0.14720402	0.09284396	0.00164918	0.02543604
Serpina3g	0.04318303	0.13888693	0.04620581	0.09268111	4.59E-21	5.94E-19
Cmc2	0.47019265	0.55878665	0.46610981	0.09267684	0.17713478	0.84867812
Epn1	1.01678324	0.93580142	0.84315557	0.09264585	0.30435211	0.89054584
Gng2	0.21299199	0.31588263	0.22335549	0.09252715	0.02680274	0.2484566
Kank3	0.14758645	0.24907668	0.15656593	0.09251075	0.00295397	0.04245287
Pdpr	0.1305535	0.23132018	0.13889027	0.09242991	0.00096606	0.01597028
Slc38a4	0.48533746	0.57142288	0.47926551	0.09215737	0.18516324	0.86933183
Rbm38	0.09841849	0.19736741	0.10522249	0.09214492	2.25E-05	0.00055544
C2cd4a	0.11754481	0.21733226	0.12531655	0.09201571	0.00031207	0.00589877
Ptpn18	0.22361276	0.32602744	0.23402991	0.09199753	0.03351767	0.2936188
Zyx	0.45142872	0.54149648	0.44962062	0.09187586	0.17054545	0.83412025
Hpgd	0.17876398	0.28048594	0.18862336	0.09186258	0.01163481	0.13240308
Gucy1b3	0.11868413	0.21831633	0.12650787	0.09180846	0.00036104	0.0067107
Nisch	1.93682015	1.20478374	1.11302606	0.09175767	0.35045873	0.89054584
Lxn	0.33928834	0.43859709	0.34687297	0.09172413	0.10898002	0.65342944
Stbd1	0.36140935	0.45918562	0.36768844	0.09149718	0.12315656	0.70193617
Hmox1	0.12128495	0.22067023	0.12922558	0.09144466	0.00048891	0.00883811
Lgals3bp	0.48452212	0.56993532	0.47856087	0.09137446	0.18685131	0.87419127
S100a1	0.68641202	0.73123354	0.64001488	0.09121866	0.25333891	0.89054584
Palm	0.36696934	0.46407438	0.37287972	0.09119465	0.12726182	0.71430193

Kdm6b	0.69032366	0.73381449	0.64287263	0.09094186	0.25492806	0.89054584
Bbs7	0.17089189	0.27149816	0.18056642	0.09093174	0.00948286	0.11223066
Gm8797	2.42213068	1.21974464	1.12888085	0.09086378	0.35383066	0.89054584
Grina	0.60484151	0.668813	0.57802369	0.09078931	0.23215361	0.89054584
Igtp	0.08371157	0.18025802	0.08952454	0.09073348	1.17E-06	3.58E-05
Dis3	0.18129747	0.28194425	0.1912112	0.09073305	0.01352661	0.14890122
Prox1	0.60206057	0.66655666	0.57583053	0.09072613	0.23145949	0.89054584
Specc1	0.13651038	0.23575204	0.14508473	0.09066731	0.00179851	0.0275341
1110032A03	0.53106563	0.60875642	0.51813066	0.09062576	0.20756732	0.89054584
Rcsd1	0.16078689	0.26073543	0.17018674	0.09054869	0.00659103	0.0823055
Mmd	0.18942895	0.28998398	0.19949887	0.09048512	0.01729529	0.1818326
Aes	2.12040903	1.21484161	1.1243636	0.09047801	0.35386483	0.89054584
Hells	0.26255596	0.36321154	0.27273525	0.09047629	0.06110763	0.45270234
Gmnn	0.30340525	0.4030425	0.31256769	0.09047481	0.08873889	0.57718099
Ush1c	0.42162972	0.51344448	0.42300738	0.0904371	0.15961027	0.80704115
Fez2	0.24441612	0.34520841	0.25479272	0.09041569	0.04913788	0.38865305
Med9os	0.07668938	0.17241824	0.08202444	0.0903938	1.42E-07	4.95E-06
MacroD2	0.34611768	0.4437182	0.35332733	0.09039087	0.11665305	0.68192309
P4hb	1.51726609	1.13060616	1.0402534	0.09035276	0.34286399	0.89054584
Cpsf3l	0.51126501	0.59180602	0.50146143	0.09034459	0.20063172	0.89054584
Tle6	0.40301847	0.49646094	0.40612702	0.09033392	0.15003627	0.77909236
Gprasp2	0.48914294	0.5728476	0.48254891	0.09029868	0.19165303	0.88461814
Atf5	0.28154155	0.38157389	0.29134846	0.09022544	0.07453964	0.51900827
Dynlt1a	0.45211266	0.54020483	0.45022537	0.08997946	0.17589851	0.8453343
Mapk8ip2	0.32137182	0.41958417	0.32982666	0.08975751	0.10242348	0.62974371
Samd1	0.13012764	0.22820412	0.13844689	0.08975723	0.00126194	0.02023858
Lgi2	0.22899752	0.32905566	0.23942251	0.08963315	0.04056399	0.33994031
Ptp4a3	0.52877399	0.60580218	0.51621397	0.08958821	0.20938624	0.89054584
Rnf34	0.41757975	0.50893199	0.41935041	0.08958158	0.15980918	0.80728693
Ywhah	2.0452023	1.20985632	1.12051614	0.08934018	0.35514624	0.89054584

Tcp11	0.35277755	0.44889503	0.35959746	0.08929756	0.12364877	0.7035557
Eif5	1.95628496	1.20379298	1.11459585	0.08919712	0.35463436	0.89054584
H2-K1	0.61938688	0.67855585	0.58940935	0.08914651	0.24051349	0.89054584
Ostc	2.57923289	1.21251828	1.12355904	0.08895924	0.35610944	0.89054584
Syp	0.41873939	0.50924171	0.4203985	0.08884321	0.16241559	0.81501438
2310030G06	0.38904999	0.48212192	0.39332859	0.08879333	0.1464574	0.77188653
Slc7a2	0.47994159	0.56330875	0.47459454	0.08871421	0.19191018	0.88486593
Ttll7	0.61196728	0.67230351	0.58361947	0.08868404	0.23948798	0.89054584
Degs1	1.11622597	0.98155194	0.89290532	0.08864662	0.32184909	0.89054584
Pnmal2	0.84428084	0.83532085	0.74669277	0.08862808	0.29013541	0.89054584
Rnf2	0.67645809	0.72118177	0.63269485	0.08848691	0.25733403	0.89054584
Tmed6	0.25186319	0.3505967	0.26217716	0.08841954	0.05806426	0.43617392
Akr1b3	0.78309884	0.79588251	0.70747645	0.08840606	0.28022273	0.89054584
Camk2b	0.53984951	0.61381932	0.52544601	0.0883733	0.21664495	0.89054584
Gnptg	0.73987069	0.76640718	0.67813724	0.08826994	0.2721138	0.89054584
Nop58	1.08151122	0.96434214	0.87613263	0.08820951	0.31951168	0.89054584
Ptges3l	0.16852289	0.26632125	0.17813677	0.08818448	0.01054545	0.12270301
Opn3	0.13541899	0.23211089	0.14395084	0.08816005	0.0021635	0.03217072
Cd53	0.05925275	0.15147133	0.06339017	0.08808116	4.78E-11	2.59E-09
Ermard	0.19883473	0.29700437	0.20905021	0.08795417	0.02498814	0.23590763
B3gat3	0.39431406	0.48611546	0.39816472	0.08795074	0.15171279	0.78420187
Sep-09	0.3462368	0.44138596	0.35343968	0.08794627	0.12317048	0.70193617
Rassf1	0.50838007	0.5869538	0.49901231	0.08794148	0.20580881	0.89054584
Ctsc	0.17459121	0.27203942	0.1843558	0.08768361	0.01334941	0.14807932
Rbpjl	0.06523227	0.15731086	0.06978198	0.08752888	2.55E-09	1.13E-07
Kif5b	2.07376376	1.20941056	1.12203723	0.08737333	0.35837978	0.89054584
Ung	0.18483058	0.28216556	0.1948156	0.08734995	0.01835652	0.18968837
Pik3r1	1.04111676	0.94301948	0.85569927	0.0873202	0.31724251	0.89054584
Aaed1	0.17458506	0.27164045	0.18434951	0.08729094	0.01369042	0.15025257
Syce2	0.82521812	0.82192875	0.73476602	0.08716273	0.29024335	0.89054584

Efna1	0.13938385	0.23522659	0.14806791	0.08715868	0.00304924	0.04358243
Prex2	0.09420967	0.18786714	0.10073154	0.0871356	2.79E-05	0.00066909
Nes	0.10131673	0.19534496	0.10829564	0.08704933	9.02E-05	0.00190412
Ptpn11	0.60490609	0.66508317	0.57807456	0.08700861	0.24157717	0.89054584
Shcbp1	0.12937666	0.22458066	0.13766488	0.08691578	0.00163335	0.02527254
Hbq1b	0.03310399	0.12233904	0.03542379	0.08691525	1.46E-30	3.03E-28
Rab8b	0.1461046	0.24186703	0.15503267	0.08683437	0.00453386	0.06063832
Skp2	0.25660861	0.35337723	0.26686906	0.08650817	0.06549102	0.47418188
Idh1	0.42498792	0.51249869	0.42603244	0.08646625	0.17218536	0.83696674
Dnmt1	0.35439318	0.447277	0.36111494	0.08616206	0.13314997	0.73038525
Slc48a1	0.47056211	0.55257289	0.46643242	0.08614047	0.19478139	0.88999075
Rybp	0.29477234	0.39029409	0.3042176	0.08607649	0.09371523	0.5972952
Tcof1	0.33921474	0.4328591	0.34680327	0.08605582	0.12382617	0.70422347
Cnrip1	0.28199227	0.37780535	0.2917882	0.08601715	0.08481033	0.56182274
Cnih4	0.73614828	0.76153525	0.67554808	0.08598718	0.27658603	0.89054584
Rem1	0.15131114	0.24635405	0.160416	0.08593805	0.00628212	0.07906091
Procr	0.16987131	0.26535356	0.17951999	0.08583356	0.01295457	0.14447334
Rec114	0.03562594	0.12395077	0.03812186	0.08582892	4.84E-26	8.15E-24
Rnft1	0.3882319	0.47826537	0.39257571	0.08568967	0.15459269	0.79309443
Napsa	0.04349683	0.13202037	0.04654146	0.08547892	5.81E-18	6.33E-16
Acaa2	0.49139851	0.56986637	0.48449077	0.0853756	0.20582727	0.89054584
Arid5b	0.48642109	0.56556136	0.48020139	0.08535997	0.20378789	0.89054584
Hace1	0.18122957	0.27648922	0.19114187	0.08534735	0.01875001	0.1925196
Car8	0.22166793	0.31739266	0.23207903	0.08531364	0.04338805	0.35599321
Smad5	0.4323601	0.51789196	0.43265012	0.08524183	0.17933129	0.85496384
Spop	1.10095156	0.9708118	0.88562978	0.08518202	0.32703752	0.89054584
Mrps6	0.46073071	0.54300265	0.45782133	0.08518132	0.1930167	0.88724036
Arsi	0.1477203	0.2418566	0.15670438	0.08515221	0.00567652	0.07263736
Egfl6	0.10084307	0.19279202	0.1077974	0.08499463	0.00011966	0.00244179
Mycbp	0.88623042	0.85692648	0.77200728	0.0849192	0.30415969	0.89054584

Gpsm1	0.40314613	0.49111202	0.40624348	0.08486854	0.16520165	0.82136266
Arhgef40	0.2456635	0.34080075	0.25603142	0.08476933	0.06147283	0.45447887
Anp32b	2.2322894	1.21279379	1.12804997	0.08474382	0.36316969	0.89054584
Nt5dc2	1.09482644	0.96735376	0.88266476	0.084689	0.32743348	0.89054584
Ankrd44	0.6968965	0.73227565	0.64765027	0.08462538	0.2713412	0.89054584
Lipa	0.24010557	0.33507053	0.25050662	0.08456391	0.05789113	0.43561417
Fcgr3	0.03042551	0.11697841	0.03255812	0.08442029	6.72E-34	1.65E-31
Gm8730	4.39470984	0.94894273	0.86452436	0.08441836	0.32457892	0.89054584
Acot7	0.21464259	0.30925971	0.22501772	0.08424199	0.04056112	0.33994031
Lgals7	0.05198051	0.13962524	0.05561461	0.08401064	9.77E-13	6.53E-11
Cpxm1	0.2634112	0.35753071	0.27357746	0.08395325	0.0764018	0.52596072
Zfp334	0.15903499	0.25228104	0.16838299	0.08389805	0.01013395	0.11867689
Qdpr	0.94363763	0.88848655	0.80460236	0.08388418	0.31358284	0.89054584
Cpn1	0.37816999	0.46713218	0.38328649	0.08384569	0.15406234	0.79121355
Pxdn	0.26531103	0.35926557	0.27544709	0.08381848	0.07813706	0.53336934
Rai2	0.39459869	0.48215171	0.39842576	0.08372596	0.16378039	0.81785018
Snx8	0.21956448	0.31368713	0.22996713	0.08372001	0.04493374	0.36388968
Mcm5	0.29153278	0.3847938	0.3010745	0.0837193	0.09757317	0.61424915
Pbx1	1.15786136	0.9954654	0.91197681	0.08348859	0.33486765	0.89054584
Rgs1	0.0370217	0.12306531	0.03961504	0.08345027	4.89E-23	7.02E-21
Gspt1	1.10142222	0.96930465	0.88585657	0.08344808	0.33037631	0.89054584
Ppa2	0.69075206	0.72659495	0.64318496	0.08340999	0.27286057	0.89054584
Gm27033	0.41752905	0.50259209	0.41930457	0.08328752	0.17737446	0.84926515
Tgfb3	0.12530342	0.2166663	0.13341962	0.08324668	0.00182498	0.02788044
Cited4	0.19244558	0.28576538	0.20256632	0.08319906	0.02783923	0.25472969
Zcchc24	0.15471912	0.24712071	0.16393413	0.08318659	0.00903626	0.10809216
Smagp	0.10028352	0.19022532	0.1072087	0.08301662	0.0001545	0.00309388
Naga	0.46911749	0.5481644	0.4651705	0.0829939	0.20292185	0.89054584
Fbxo34	0.21381562	0.30715524	0.22418507	0.08297017	0.04233054	0.3494921
Creld1	0.40474996	0.49066454	0.40770574	0.0829588	0.17156777	0.83588128

Smarcd2	0.84590199	0.83059451	0.7476949	0.08289961	0.30273396	0.89054584
Armcx2	0.73932749	0.76060581	0.67776004	0.08284577	0.28451383	0.89054584
Decr2	0.27186528	0.36463276	0.28188382	0.08274894	0.0857086	0.56636427
Ptx3	0.06383674	0.15101506	0.06829037	0.0827247	8.32E-09	3.43E-07
Stom	0.15596072	0.24793267	0.16521475	0.08271792	0.0098349	0.11592383
Rgs7bp	0.1042963	0.19398624	0.11142801	0.08255823	0.00027837	0.00532351
RbmX	0.64193057	0.6893164	0.60677367	0.08254272	0.26311184	0.89054584
Lst1	0.12804643	0.21882071	0.13627913	0.08254158	0.00238753	0.03523452
Dnmt3a	1.2937377	1.05067223	0.96820488	0.08246736	0.34574724	0.89054584
Gpihbp1	0.06576248	0.15278731	0.07034867	0.08243863	2.39E-08	9.27E-07
Kif20a	0.12458474	0.21510217	0.13266999	0.08243217	0.00189729	0.02887441
Scpep1	0.89027816	0.85673509	0.77438179	0.0823533	0.31013591	0.89054584
Meox1	0.14107204	0.2321596	0.14981905	0.08234055	0.00522527	0.06800354
Nudt4	0.42480095	0.50815292	0.42586419	0.08228872	0.1839973	0.86722786
Ulk1	0.18962333	0.28194606	0.19969664	0.08224942	0.02749935	0.25297304
Dusp6	0.25479642	0.34724284	0.26507857	0.08216427	0.07435619	0.51877575
St6galnac3	0.19244347	0.28472316	0.20256418	0.08215898	0.0294029	0.26543163
Rps7	5.09761489	0.76561435	0.68351748	0.08209687	0.2878821	0.89054584
Clec4n	0.03818096	0.12293035	0.04085517	0.08207518	4.01E-21	5.23E-19
Ptpn	0.17202552	0.26375276	0.18172824	0.08202452	0.0177394	0.18449484
Sgol2a	0.0905174	0.17878286	0.09679075	0.08199211	3.96E-05	0.00091638
Bmp1	0.45480093	0.53454896	0.45259963	0.08194933	0.19945632	0.89054584
Gstt1	0.2529802	0.34522507	0.26328252	0.08194255	0.07352616	0.51488639
Dhrs11	0.14093013	0.23150499	0.14967189	0.0818331	0.00542838	0.07014319
Srpk2	0.84023692	0.826013	0.74418454	0.08182846	0.30422607	0.89054584
AcsI5	0.32743844	0.41739258	0.33561724	0.08177534	0.12814962	0.71651107
Acot13	0.77941009	0.78664323	0.70502546	0.08161777	0.2948242	0.89054584
Adam12	0.18915361	0.28082286	0.1992187	0.08160415	0.02816977	0.2571826
Adgrg1	0.51632091	0.5873232	0.50574079	0.08158241	0.22616196	0.89054584
Nav2	0.91668878	0.87116734	0.78958985	0.08157748	0.31513585	0.89054584

Lag3	0.0839391	0.17132446	0.08976752	0.08155694	1.15E-05	0.00030198
Nop56	1.08461965	0.95921593	0.87766817	0.08154775	0.33255048	0.89054584
Zfp428	0.42210517	0.50497852	0.42343606	0.08154246	0.18480945	0.8690805
Mar-02	0.36420768	0.45184511	0.37030318	0.08154193	0.15246615	0.7857996
Ehd4	0.26336157	0.35506465	0.27352859	0.08153605	0.08244948	0.55212586
Nrros	0.09536795	0.18344362	0.10196758	0.08147604	9.86E-05	0.00205604
Mmrn2	0.09657483	0.18459588	0.1032554	0.08134049	0.00012121	0.00246821
Rps19	5.48281225	0.7524913	0.67135017	0.08114113	0.2866862	0.89054584
Lmcd1	0.13200017	0.22152152	0.14039589	0.08112563	0.0035502	0.0494436
Atad3a	0.34164631	0.43022907	0.34910428	0.08112479	0.13948324	0.74952855
Gpsm2	0.21777324	0.30923451	0.22816712	0.08106739	0.04893042	0.38764659
Pnmal1	0.35811985	0.44564866	0.36460981	0.08103884	0.15021662	0.77912292
Cited2	0.6904428	0.7239074	0.6429595	0.08094789	0.27875112	0.89054584
4921524J17F	0.90384468	0.86310792	0.78225782	0.08085011	0.31507208	0.89054584
Zfp219	0.26973564	0.36042631	0.27979464	0.08063167	0.08969732	0.58049509
Pou3f4	0.21005699	0.30100881	0.22039682	0.08061199	0.04418616	0.36077541
Ddr2	0.16575855	0.25577283	0.17529875	0.08047408	0.01622709	0.17285842
Rhob	0.86208243	0.83806104	0.75759122	0.08046983	0.31034826	0.89054584
Ckap2l	0.09989202	0.18722218	0.1067945	0.08042768	0.00022517	0.00438266
Cd37	0.049	0.13283169	0.05242726	0.08040443	4.50E-13	3.07E-11
Fam216a	1.00679061	0.91842344	0.83803161	0.08039184	0.32746307	0.89054584
Sema3c	0.25060134	0.34130431	0.26092775	0.08037656	0.07562261	0.52298621
Cd55	0.15098347	0.24043565	0.16007752	0.08035813	0.00967378	0.11417597
Ssx2ip	0.17052296	0.26054036	0.18018819	0.08035217	0.01887386	0.19341421
Hspa1a	0.17697711	0.26708599	0.18679679	0.0802892	0.02261489	0.22034316
Armcx1	0.5777691	0.63669673	0.55645786	0.08023886	0.25085566	0.89054584
Sil1	0.42065213	0.50234123	0.42212552	0.08021571	0.18798941	0.87607539
Ppp1r14b	1.01330948	0.92153639	0.84138237	0.08015402	0.32858184	0.89054584
Lfng	0.1976778	0.2879542	0.20787742	0.08007678	0.03635251	0.31315434
Mzt2	0.45394761	0.53178565	0.45184646	0.0799392	0.20490028	0.89054584

Prdm4	0.19835729	0.28845472	0.20856629	0.07988843	0.03716775	0.3190397
Ramp3	0.14069547	0.22930129	0.14942854	0.07987275	0.0063817	0.08003619
Dlat	0.60739659	0.65989395	0.58003412	0.07985983	0.26061553	0.89054584
Fndc4	0.21715368	0.30730532	0.2275442	0.07976112	0.05122402	0.39948674
Tbxa2r	0.18875498	0.27853928	0.19881302	0.07972626	0.03086098	0.2748295
Zfp422	0.69175922	0.72362603	0.64391872	0.07970732	0.28206908	0.89054584
Hk2	0.14062569	0.22901937	0.14935616	0.0796632	0.00647805	0.08096439
Snap25	0.55438579	0.61708813	0.5374441	0.07964403	0.24496816	0.89054584
Fgl2	0.03673616	0.11894619	0.03930957	0.07963662	1.89E-21	2.56E-19
Klf3	0.57910839	0.63706177	0.55753621	0.07952556	0.2531725	0.89054584
Sox13	0.08945417	0.17516517	0.0956558	0.07950937	5.39E-05	0.00121245
Trp53	0.93603607	0.87992113	0.80042162	0.07949951	0.32177697	0.89054584
Gm12216	0.04815217	0.13099795	0.05152054	0.07947741	3.31E-13	2.32E-11
Dapp1	0.15522063	0.2437063	0.16445148	0.07925482	0.01237431	0.13885664
Atp8b1	0.67061301	0.70757882	0.62836476	0.07921406	0.2784931	0.89054584
Plp1	0.1050511	0.1913938	0.112221	0.0791728	0.00050645	0.00913246
Pcdh17	0.10103598	0.18710461	0.10800033	0.07910427	0.00032195	0.00606182
Maz	0.62086092	0.66952799	0.59055515	0.07897284	0.26663449	0.89054584
Ocr1	0.68662954	0.7190389	0.64017408	0.07886482	0.28300154	0.89054584
Xpot	0.27270402	0.3615377	0.28270602	0.07883167	0.09694951	0.61165099
Slfn2	0.04229726	0.12394968	0.04525836	0.07869132	2.74E-16	2.49E-14
Spon2	0.1286718	0.21553395	0.13693068	0.07860327	0.00374311	0.05178201
Fam189b	0.27600677	0.36439263	0.28594033	0.0784523	0.10057976	0.62288099
Tmed10	2.67953141	1.19669437	1.1182593	0.07843507	0.37191728	0.89054584
Col9a2	0.66185679	0.70012428	0.62183335	0.07829093	0.27874407	0.89054584
Chic1	0.53816433	0.60232561	0.52404644	0.07827917	0.24323728	0.89054584
Cat	0.48266531	0.55523306	0.4769546	0.07827846	0.22224537	0.89054584
Ezr	0.61532079	0.66446662	0.58624102	0.0782256	0.26707943	0.89054584
Dnajc10	0.96901098	0.89651911	0.81829671	0.07822241	0.32803115	0.89054584
Pvrl2	0.75350802	0.76575677	0.6875377	0.07821907	0.29804434	0.89054584

Ptma	5.01033117	0.77705788	0.69889784	0.07816005	0.30117477	0.89054584
Gylt1b	0.14146779	0.22838875	0.1502294	0.07815935	0.00767759	0.09393219
Slc1a5	0.14346407	0.2304431	0.15229837	0.07814472	0.00841236	0.10146624
Cbfa2t3	0.48431956	0.55647722	0.47838574	0.07809147	0.22347087	0.89054584
Pi15	0.15502579	0.24219152	0.1642505	0.07794103	0.01352534	0.14890122
Mis12	0.42447332	0.50349007	0.42556932	0.07792075	0.19681821	0.89054584
Rqcd1	0.2255044	0.31379568	0.2359258	0.07786988	0.0620568	0.45670026
Zfp874a	0.13583746	0.22224078	0.14438566	0.07785513	0.00599943	0.07600027
Ddit4	0.44442719	0.52125742	0.4434137	0.07784373	0.20670632	0.89054584
Rps16	5.02415348	0.77355502	0.69583782	0.0777172	0.30140949	0.89054584
Galm	0.12875646	0.21471285	0.13701888	0.07769397	0.00412377	0.05592741
Ip6k2	0.9234963	0.87107501	0.79343213	0.07764288	0.32422737	0.89054584
Pacsin3	0.19733656	0.28511268	0.20753139	0.07758129	0.04078502	0.34061128
Cdc14b	0.25537245	0.34319019	0.26564786	0.07754233	0.08692446	0.57045578
Krtdap	0.044948	0.12551954	0.04809361	0.07742593	3.18E-14	2.43E-12
Arnt	0.31540296	0.40153088	0.32411076	0.07742012	0.13288037	0.72977796
Tff2	0.13430347	0.22013812	0.14279139	0.07734673	0.00580736	0.07398521
Cdh2	0.27323592	0.36051784	0.28322726	0.07729058	0.101795	0.62747616
Mboat1	0.09333606	0.17700415	0.09979921	0.07720494	0.00015658	0.0031311
Gpsm3	0.10500938	0.18937903	0.11217718	0.07720185	0.00067216	0.01178354
Tspan14	0.25055908	0.33804091	0.26088589	0.07715502	0.08412535	0.55921567
Fgfr1	0.29676235	0.38320509	0.30614574	0.07705935	0.12045946	0.69516408
Dpy30	1.64405536	1.14745655	1.07044215	0.0770144	0.36873945	0.89054584
Psmd10	0.52475584	0.58984128	0.51284512	0.07699617	0.24212867	0.89054584
Dpp8	0.19710511	0.28428212	0.20729667	0.07698545	0.04179469	0.34614674
Dctn3	1.85920436	1.18222964	1.1053012	0.07692844	0.37287056	0.89054584
Cygb	0.18504574	0.27188836	0.19503494	0.07685342	0.03318966	0.29198044
Syng2	0.61802911	0.66515923	0.58835262	0.07680661	0.27152661	0.89054584
Kitl	0.15943331	0.24540548	0.16879321	0.07661228	0.01723153	0.18129371
Canx	2.10288354	1.20010126	1.12353173	0.07656953	0.3754282	0.89054584

Ppih	0.40512448	0.48456818	0.40804699	0.07652119	0.19114278	0.88366966
Guf1	0.53060701	0.59415687	0.51774735	0.07640952	0.24586187	0.89054584
Fbxo21	0.59316105	0.64514526	0.56877873	0.07636653	0.2658122	0.89054584
Ms4a6c	0.04750518	0.12711965	0.0508286	0.07629105	1.35E-12	8.88E-11
Tmem158	0.21038259	0.2969943	0.22072522	0.07626907	0.05371598	0.41314285
8430408G22	0.08958307	0.17202208	0.0957934	0.07622869	0.0001047	0.00217011
Med30	0.79430935	0.79098264	0.71486568	0.07611696	0.30992201	0.89054584
Sgce	0.57604079	0.63116105	0.55506453	0.07609652	0.2615035	0.89054584
Angptl1	0.05111995	0.13074336	0.05469436	0.076049	4.65E-11	2.53E-09
Dqx1	0.03323214	0.11154037	0.03556089	0.07597948	1.21E-23	1.77E-21
Erp27	0.06483139	0.14531096	0.06935351	0.07595745	1.68E-07	5.81E-06
Rad23a	0.85694877	0.83037489	0.75447221	0.07590268	0.31963967	0.89054584
2210016L21F	0.85739019	0.83059356	0.75474116	0.0758524	0.31981034	0.89054584
Ubxn2a	0.48326938	0.55332691	0.4774774	0.07584952	0.2296213	0.89054584
Atp1a1	1.52612307	1.11840947	1.04262725	0.07578222	0.36744422	0.89054584
Vps26b	0.30793912	0.39270701	0.31693793	0.07576908	0.1326837	0.72977796
Ppp1r15a	0.52333174	0.58738954	0.51164866	0.07574089	0.24519865	0.89054584
Comt	0.97115773	0.89509395	0.81943568	0.07565827	0.33354007	0.89054584
Ly6a	0.06781304	0.14817629	0.07254022	0.07563607	5.94E-07	1.93E-05
Snhg6	0.80386767	0.79669872	0.72109375	0.07560497	0.31260532	0.89054584
Slitrk4	0.12732993	0.21110461	0.13553246	0.07557216	0.00469115	0.06245396
Nme4	0.34405415	0.42683353	0.35137972	0.0754538	0.15854846	0.80483939
Entpd2	0.15082184	0.23526939	0.15991054	0.07535885	0.01406189	0.15374752
Bmp2k	0.11087703	0.19366517	0.11833474	0.07533043	0.00150936	0.02354648
AY036118	0.89267037	0.85095937	0.77578013	0.07517924	0.32581883	0.89054584
B3gnt9	0.19609861	0.28136524	0.20627567	0.07508957	0.04494552	0.36388968
Fbln5	0.16150298	0.24600979	0.17092366	0.07508612	0.02034597	0.20371258
1110034G24	0.1893458	0.27448986	0.19941427	0.0750756	0.03971518	0.33573803
Lyp1a1	0.65567223	0.69219787	0.61718796	0.07500991	0.28562068	0.89054584
Xlr4a	0.06905969	0.14882784	0.07387248	0.07495536	1.14E-06	3.50E-05

Lpar6	0.48225314	0.55149029	0.47659775	0.07489254	0.23205203	0.89054584
Gpr119	0.1139368	0.1964187	0.12154067	0.07487804	0.00205072	0.0308097
Hspd1	2.15969875	1.20076716	1.1259701	0.07479706	0.37847488	0.89054584
N4bp3	0.11330263	0.19560759	0.12087649	0.07473111	0.0019861	0.0299631
Dnajc12	0.36458638	0.44526932	0.37065674	0.07461258	0.17416407	0.84132624
Ncapd2	0.17040894	0.25464256	0.18007129	0.07457127	0.02684282	0.24851031
Prss1	0.04803639	0.12595675	0.05139672	0.07456003	6.97E-12	4.21E-10
Cacna1a	0.55976835	0.61633321	0.5418525	0.07448072	0.26095692	0.89054584
Prkab1	0.31571268	0.39880559	0.32440781	0.07439778	0.14265784	0.76319314
Fdps	0.81781165	0.80439211	0.73006058	0.07433152	0.31762421	0.89054584
Grrp1	0.08467315	0.16483795	0.09055134	0.07428661	6.62E-05	0.00144888
Lta	0.04214986	0.11937095	0.04510069	0.07427026	8.45E-15	6.73E-13
BC023829	0.60677747	0.65365204	0.57954738	0.07410465	0.27568042	0.89054584
Lgr4	0.09358218	0.17414247	0.10006188	0.07408059	0.00028109	0.00535506
Slc24a5	0.44046648	0.51391413	0.43988983	0.0740243	0.21651922	0.89054584
Rps23	5.27497394	0.74214569	0.66812549	0.07402021	0.30287335	0.89054584
Palld	0.12301399	0.20503308	0.1310309	0.07400217	0.00425389	0.05737009
Pole2	0.11860526	0.20042668	0.12642542	0.07400126	0.00319524	0.04523882
Mpst	0.46086324	0.53186904	0.45793779	0.07393125	0.22597818	0.89054584
Cyp39a1	0.09984278	0.18064215	0.10674197	0.07390017	0.00062876	0.01107621
Ndufs5	2.29826895	1.20285924	1.12905741	0.07380182	0.38035988	0.89054584
Usp18	0.19214136	0.2760519	0.20225715	0.07379475	0.04458023	0.36228932
Sbson	0.11133514	0.19258229	0.11881495	0.07376734	0.00191067	0.02894551
Pja2	1.0548642	0.93648423	0.86273106	0.07375317	0.34521056	0.89054584
Pgm1	0.30122134	0.38412993	0.31045889	0.07367104	0.13445981	0.73423666
2700094K13I	1.15414288	0.98393279	0.91031847	0.07361431	0.35317877	0.89054584
Tox	0.52956284	0.59048701	0.51687414	0.07361288	0.25349771	0.89054584
Cxadr	0.29760335	0.38052929	0.30696	0.0735693	0.13208026	0.72837567
Mndal	0.0881129	0.16779207	0.09422394	0.07356813	0.00013759	0.00277828
Krtap17-1	0.05216378	0.12935255	0.05581058	0.07354198	4.15E-10	2.07E-08

Tmsb15b1	0.16520034	0.24825933	0.17472529	0.07353405	0.0249547	0.23584958
Mad2l1	0.18040314	0.26382652	0.19029799	0.07352854	0.03591839	0.30996718
Tcea3	0.08931162	0.16899941	0.09550363	0.07349578	0.00016832	0.00334752
Tdg	0.79402501	0.78808154	0.71467938	0.07340215	0.31614608	0.89054584
Dpt	0.12836165	0.20997547	0.13660757	0.0733679	0.00617156	0.07787232
Aurkb	0.10511521	0.18560218	0.11228835	0.07331383	0.00117563	0.01908652
Rpl13-ps3	1.04488622	0.93090551	0.85763343	0.07327207	0.34530127	0.89054584
Mfap1a	0.44486267	0.51696985	0.44380061	0.07316923	0.22120859	0.89054584
Prkab2	0.12540047	0.20667915	0.13352083	0.07315832	0.00534438	0.06934802
Bik	0.13919763	0.22102524	0.14787468	0.07315057	0.01059218	0.12300859
Gucy1a3	0.1159192	0.19664878	0.1236159	0.07303288	0.00295688	0.04245287
Kctd12b	0.33680341	0.41752713	0.34451832	0.0730088	0.16174724	0.81339284
Tnk1	0.18157927	0.264457	0.19149887	0.07295813	0.03795019	0.32460284
Phactr1	0.26696783	0.34998982	0.27707614	0.07291368	0.11009582	0.65698409
Hcls1	0.05127636	0.12768603	0.05486161	0.07282442	3.12E-10	1.57E-08
Klhl36	0.17779643	0.26002125	0.18763447	0.07238678	0.03613964	0.31169095
Bloc1s1	0.29812725	0.37983332	0.30746706	0.07236626	0.13642112	0.73997914
Sep-04	0.14219609	0.22331611	0.15098441	0.0723317	0.01280924	0.14318303
Tmf1	0.39011217	0.46653363	0.39430568	0.07222795	0.19671504	0.89054584
Piga	0.15519949	0.23657871	0.16442967	0.07214904	0.02046359	0.20404477
Pgm3	0.41755572	0.49125672	0.41932868	0.07192804	0.21210035	0.89054584
Rps11	4.7822938	0.83692316	0.76500685	0.07191631	0.33070221	0.89054584
Osbpl2	0.33020828	0.41010715	0.33825465	0.0718525	0.16117054	0.81133695
Ccser2	0.32731936	0.40725093	0.33550376	0.07174717	0.15954969	0.80704115
Enox1	0.06373074	0.13991373	0.06817707	0.07173666	4.74E-07	1.56E-05
Fuca2	0.38871077	0.46471994	0.39301641	0.07170353	0.19766356	0.89054584
Rarb	0.0791323	0.15633017	0.08463393	0.07169623	3.96E-05	0.00091638
Fbxo28	0.31033217	0.39085098	0.31924045	0.07161053	0.14799486	0.77431593
Aif1	0.02637685	0.09977062	0.02822625	0.07154437	1.76E-32	3.80E-30
Tmem108	0.57068572	0.62225733	0.55073546	0.07152187	0.27257669	0.89054584

Gpm6a	0.05757711	0.13305565	0.06159874	0.07145691	3.25E-08	1.24E-06
Cyth3	0.28203644	0.36309094	0.29183129	0.07125965	0.12763859	0.71558556
Srgn	0.08734492	0.16459993	0.09340404	0.0711959	0.00019173	0.00378301
Eva1b	1.44496824	1.09078695	1.01975339	0.07103356	0.37276818	0.89054584
Sac3d1	0.51764843	0.57783035	0.50686173	0.07096862	0.25709575	0.89054584
Ppp1r18	0.15168908	0.23175299	0.16080635	0.07094663	0.01991575	0.20079178
Bag3	0.14039495	0.21985111	0.14911685	0.07073426	0.01355292	0.14891872
Sox6	0.2841087	0.3644858	0.29385181	0.07063398	0.13138187	0.72635204
Clpp	0.82579832	0.80574764	0.73513294	0.0706147	0.32724833	0.89054584
Efnb1	0.4044151	0.47800522	0.40740056	0.07060466	0.20971257	0.89054584
H2-Ke6	1.05609141	0.9339088	0.86335853	0.07055026	0.35170909	0.89054584
Npnt	0.23863223	0.31952222	0.24903966	0.07048256	0.0936579	0.5972952
Sertad3	0.27289116	0.35335695	0.28288943	0.07046752	0.12291485	0.70139524
Ccdc166	0.18288568	0.26325893	0.19283211	0.07042683	0.04441941	0.36159044
Snrpd1	1.81193499	1.16981138	1.09940476	0.07040661	0.38271356	0.89054584
Amigo2	0.42030131	0.49217851	0.42180893	0.07036959	0.2185079	0.89054584
Klf5	0.15592877	0.23551117	0.16518181	0.07032936	0.02364829	0.22675454
Abt1	0.3559635	0.43290496	0.36258851	0.07031645	0.18312922	0.86510504
Fat4	0.1741585	0.25415777	0.18391285	0.07024492	0.03758156	0.32198646
Samd4b	0.41640719	0.48852611	0.41828986	0.07023625	0.21702025	0.89054584
Rab3d	0.60621289	0.64927154	0.57910329	0.07016825	0.28620346	0.89054584
Dpcd	0.80437475	0.79155061	0.72142229	0.07012832	0.32531459	0.89054584
Katnb1	0.23793525	0.31839519	0.24834535	0.07004984	0.09440122	0.60001264
Fcrls	0.02826312	0.10026449	0.0302445	0.07001999	2.00E-27	3.54E-25
Mapk7	0.2264923	0.30678549	0.23691528	0.06987022	0.08472107	0.56163058
Sord	0.13319568	0.21134161	0.14163951	0.06970209	0.01093243	0.12579236
Arhgap10	0.17851393	0.25801656	0.18836782	0.06964874	0.04247709	0.35050247
Plekhf1	0.07202785	0.14666691	0.07704417	0.06962274	1.28E-05	0.00033033
Emid1	0.22709276	0.30711237	0.23751648	0.06959588	0.08610461	0.56742938
Cd36	0.07563595	0.15049034	0.08089908	0.06959126	3.07E-05	0.00072973

Deptor	0.46376178	0.52998815	0.46048223	0.06950592	0.24095684	0.89054584
Tmem41b	0.49897155	0.56047218	0.49098866	0.06948351	0.25484452	0.89054584
Pdgfrl	0.23026565	0.31012125	0.24069058	0.06943066	0.08948411	0.57968753
Morc4	0.15022801	0.2287149	0.15929698	0.06941793	0.02116514	0.20902737
Psme2b	0.12579129	0.20299238	0.13392839	0.06906399	0.00814136	0.09869022
Tst	0.19535725	0.27456791	0.20552334	0.06904457	0.05877402	0.4395921
Osbpl6	0.10253405	0.17860229	0.10957578	0.06902651	0.00166845	0.0257058
Gstm5	0.88184295	0.83839047	0.76941983	0.06897064	0.33811008	0.89054584
Cast	0.19270876	0.27169922	0.20283374	0.06886548	0.05684885	0.43016419
Atf1	0.57156198	0.62021163	0.55144502	0.06876661	0.2806263	0.89054584
Tpm3-rs7	1.23490393	1.01373639	0.94504808	0.06868831	0.36744696	0.89054584
Klhl24	0.25602952	0.33486525	0.26629706	0.06856819	0.11514358	0.67639855
Gfm1	0.26734241	0.34599544	0.27744426	0.06855118	0.12483828	0.70660334
Gm4890	0.11009924	0.18606698	0.11751925	0.06854773	0.00328875	0.04638159
Marf1	0.30670151	0.38423594	0.31574603	0.06848991	0.15610584	0.79775203
Gimap5	0.10117138	0.17658073	0.10814276	0.06843797	0.0015971	0.02479162
Drap1	1.2583236	1.02288618	0.95451006	0.06837612	0.36928703	0.89054584
Khsrp	0.2151066	0.2937561	0.22548478	0.06827132	0.07917919	0.538911
Sirt3	0.26205406	0.3404984	0.27224084	0.06825756	0.12138067	0.69804721
Fhl2	0.23650737	0.31517566	0.24692224	0.06825342	0.09890625	0.61754641
Smarcc1	1.01570623	0.91080133	0.84260673	0.0681946	0.35306391	0.89054584
Tipin	0.52335417	0.57984853	0.51166751	0.06818102	0.26736036	0.89054584
Kif4	0.06095647	0.13333417	0.06521152	0.06812264	5.67E-07	1.85E-05
Mar-02	0.80866322	0.79231479	0.72419334	0.06812145	0.33060448	0.89054584
Ubl3	1.27368223	1.02862136	0.96055206	0.0680693	0.37064151	0.89054584
Dnase2a	0.45507471	0.52078048	0.45284118	0.0679393	0.24228346	0.89054584
Rab20	0.10573381	0.1808657	0.11293809	0.06792761	0.00253807	0.03701911
Cox6a1	3.21249777	1.14185522	1.07393733	0.06791789	0.38413426	0.89054584
BC029722	0.2527259	0.33089797	0.26303092	0.06786704	0.11466307	0.67576633
Srsf6	1.81136194	1.16717398	1.09932716	0.06784682	0.3868516	0.89054584

App	1.89697792	1.1772089	1.10938095	0.06782795	0.38787979	0.89054584
Tcf7	0.03690817	0.10713247	0.03949358	0.0676389	7.37E-16	6.43E-14
Adgre1	0.0352382	0.10533376	0.03770705	0.0676267	3.25E-17	3.32E-15
Ndufa6	2.69238973	1.18497983	1.11743549	0.06754434	0.38911989	0.89054584
Prcp	0.18334832	0.26077598	0.19330407	0.06747191	0.05195543	0.4030229
Cd151	0.52862332	0.5835572	0.51608784	0.06746936	0.27123763	0.89054584
Tesc	0.22754483	0.30541349	0.23796901	0.06744448	0.09334682	0.59664859
Sesn3	0.69291483	0.71216159	0.64475974	0.06740185	0.31311639	0.89054584
Tram1	1.67785709	1.14463365	1.07725474	0.06737891	0.38537187	0.89054584
Thns1	0.17256226	0.24964097	0.18227815	0.06736282	0.04255642	0.35075781
Napa	1.58984782	1.12573912	1.05842707	0.06731205	0.38350376	0.89054584
Cd44	0.17311157	0.25013585	0.18284082	0.06729504	0.04319688	0.35462533
Kcne1l	0.17610135	0.25318592	0.18590108	0.06728484	0.04587361	0.36925458
Nuf2	0.09665797	0.17060167	0.10334411	0.06725756	0.00121432	0.01960492
Alkbh7	0.4256037	0.49375259	0.42658643	0.06716617	0.23161099	0.89054584
Casc5	0.10603813	0.18037097	0.11325767	0.06711331	0.00288337	0.04151256
Epas1	0.06401285	0.13553017	0.06847861	0.06705156	2.54E-06	7.42E-05
Crot	0.46418999	0.52785535	0.4608577	0.06699765	0.24910838	0.89054584
Hopx	0.16017199	0.23646648	0.16955378	0.0669127	0.0329867	0.2905475
Cmc4	0.22925869	0.30659546	0.23968373	0.06691173	0.09669401	0.61116934
Asl	0.38699481	0.4583187	0.39143668	0.06688202	0.21300429	0.89054584
Ctps	0.44823375	0.51366721	0.4467919	0.06687531	0.24279343	0.89054584
Slc43a3	0.25388828	0.33104108	0.26418071	0.06686037	0.11917688	0.6908542
Ltn1	0.23792883	0.31517299	0.24833895	0.06683404	0.10495115	0.63913594
Pold2	0.38878377	0.45980541	0.39308359	0.06672182	0.21452848	0.89054584
1810008118R	0.25493973	0.33193825	0.26522021	0.06671803	0.12060056	0.69533658
Polr3gl	0.43160936	0.49868674	0.43197768	0.06670906	0.23592669	0.89054584
Mal	0.02893119	0.09766365	0.03095929	0.06670436	5.18E-24	7.75E-22
Card10	0.04748522	0.11743775	0.05080725	0.06663049	4.98E-10	2.42E-08
Cracr2b	0.16731697	0.24343526	0.17689909	0.06653616	0.03985733	0.33654725

Tmem97	0.39600033	0.46621538	0.39971058	0.06650479	0.21912089	0.89054584
Vldlr	0.30658205	0.3821354	0.31563094	0.06650446	0.16313516	0.81647508
Gjc1	0.1840934	0.26052881	0.19406398	0.06646483	0.05528488	0.42140917
Slc25a37	0.0847435	0.1570441	0.09062647	0.06641763	0.0003196	0.00603333
Nudt9	0.33091421	0.40532888	0.33892617	0.0664027	0.18067815	0.85856175
Kif22	0.17420512	0.25036142	0.18396058	0.06640084	0.0463182	0.37224016
Ttyh2	0.19596276	0.27251873	0.20613783	0.0663809	0.06677079	0.47994192
Wasf1	0.24386991	0.3206222	0.25425009	0.06637212	0.11195075	0.66518936
Atic	0.54116993	0.59286898	0.52654137	0.06632761	0.27864227	0.89054584
Cwc27	0.37410391	0.4458393	0.37951663	0.06632267	0.20777199	0.89054584
Arxes1	0.31109933	0.38618549	0.31997813	0.06620736	0.16752509	0.82808684
Trp53rkb	0.18340945	0.25957023	0.19336642	0.06620381	0.05534444	0.42164146
Irf9	0.11047923	0.18409139	0.11791769	0.0661737	0.00446751	0.0600278
Cd59a	0.20899982	0.28548375	0.21933019	0.06615356	0.07997903	0.54094194
Snai2	0.14650098	0.22157637	0.15544289	0.06613349	0.0237309	0.22739625
Slc7a6os	0.29581918	0.37135528	0.30523214	0.06612315	0.15642084	0.79826004
1190007I07R	0.29042021	0.36606768	0.29999385	0.06607382	0.15241409	0.7857996
Scara5	0.05316314	0.12287325	0.05687922	0.06599404	3.23E-08	1.24E-06
Rptor	0.19840033	0.27451412	0.20860992	0.0659042	0.07052987	0.50026519
Lamtor2	1.57141365	1.1198318	1.05404599	0.06578581	0.38561097	0.89054584
Slc2a1	0.32598665	0.39994724	0.33423325	0.06571399	0.17983349	0.85601281
Zc3h3	0.26067382	0.3365161	0.27088056	0.06563554	0.12947386	0.72054099
Ost4	2.00890998	1.18399217	1.11837012	0.06562204	0.39228427	0.89054584
Apln	0.05394393	0.12333464	0.05771411	0.06562053	5.88E-08	2.15E-06
Ift43	0.29234882	0.36746675	0.30186674	0.06560001	0.15566018	0.79659772
Nostrin	0.06029086	0.13004969	0.06449998	0.06554972	1.10E-06	3.39E-05
Ergic1	0.45684022	0.51991408	0.4543978	0.06551628	0.2508751	0.89054584
Sla	0.04763921	0.11644421	0.05097194	0.06547227	1.09E-09	5.07E-08
Slc33a1	0.38407224	0.45419964	0.38874237	0.06545727	0.21637852	0.89054584
Chchd5	0.40055494	0.46931744	0.4038779	0.06543954	0.22516078	0.89054584

Rnd3	0.28661905	0.36170254	0.29629712	0.06540541	0.15187449	0.78458375
Ccdc102a	0.24309049	0.31885899	0.25347553	0.06538347	0.11472752	0.6757765
Hid1	0.44219108	0.50675929	0.44142519	0.06533409	0.2452365	0.89054584
Kifc3	0.33968052	0.41255837	0.34724429	0.06531408	0.19043013	0.88259328
Robo4	0.05446877	0.12358005	0.05827531	0.06530475	8.90E-08	3.22E-06
Cdc25b	0.11957725	0.19274542	0.12744141	0.06530401	0.00848511	0.10225864
Cnih2	0.36739354	0.43856039	0.37327512	0.06528527	0.20758137	0.89054584
Cmtm6	0.35592226	0.42781468	0.36254982	0.06526486	0.20082302	0.89054584
Hprt	1.17068895	0.98296552	0.91771158	0.06525394	0.37021865	0.89054584
lkbip	0.41521607	0.48245825	0.4172117	0.06524656	0.2331236	0.89054584
Baiap2	0.22745225	0.30309138	0.23787634	0.06521504	0.10075294	0.6232762
Gm5294	0.06561083	0.13539577	0.07018659	0.06520918	7.50E-06	0.00020224
Ppp2r1b	0.29139269	0.36613022	0.30093847	0.06519175	0.15642549	0.79826004
Gsto1	0.55878172	0.60622176	0.54104585	0.06517591	0.28732066	0.89054584
Golt1b	0.46455522	0.52627702	0.46117785	0.06509917	0.25538183	0.89054584
Tpi1	1.97534259	1.18109267	1.11604959	0.06504307	0.39299485	0.89054584
Sema3d	0.13818239	0.21183606	0.14682097	0.06501509	0.01955313	0.1979618
Man2b1	0.44111161	0.50546181	0.4404643	0.06499751	0.24588359	0.89054584
Cbarp	0.33626212	0.40893372	0.34400499	0.06492874	0.18960705	0.88050062
Skap1	0.06934889	0.13906188	0.07418152	0.06488035	2.30E-05	0.00056587
Clmp	0.21061703	0.28578817	0.22096166	0.06482651	0.08583515	0.56642604
Ethe1	0.37047318	0.44093932	0.37614267	0.06479665	0.21110938	0.89054584
Col16a1	0.19376434	0.26870073	0.20390607	0.06479466	0.06937545	0.49496101
C330027C09I	0.09422152	0.16552865	0.10074418	0.06478447	0.00136785	0.02167325
Tpst2	1.0100097	0.90446203	0.83969003	0.064772	0.35965491	0.89054584
Pear1	0.20183377	0.27684459	0.21208764	0.06475695	0.07743773	0.53076426
Bahd1	0.10892547	0.18101072	0.11628816	0.06472257	0.00475673	0.06326885
Tmem123	0.45086657	0.51383305	0.44912336	0.06470968	0.25102741	0.89054584
Cep85	0.14845005	0.22215843	0.15745909	0.06469934	0.02778829	0.25466161
Dhrs7	0.54641928	0.59556309	0.53088476	0.06467833	0.28515181	0.89054584

C2	0.08331366	0.15377138	0.08909963	0.06467175	0.00036029	0.0067107
Ralgps2	0.30429725	0.37806102	0.31342833	0.06463269	0.16834404	0.82993631
Vat1	0.49108575	0.5487774	0.48422171	0.06455569	0.26725939	0.89054584
Mrps25	0.50804578	0.56322275	0.49872819	0.06449456	0.2734256	0.89054584
Tspan18	0.19696842	0.27161376	0.20715804	0.06445572	0.07358564	0.51488639
Pdzd2	0.10586255	0.17748435	0.11307329	0.06441106	0.00397814	0.05441051
Mllt11	0.58501735	0.62668558	0.56227963	0.06440595	0.29678999	0.89054584
Spin1	0.51764888	0.57125973	0.50686211	0.06439763	0.27695014	0.89054584
Stat1	0.10320672	0.17466042	0.11028293	0.06437749	0.00326756	0.04617255
Arhgef25	0.23283195	0.30762335	0.24325481	0.06436854	0.10882159	0.65274944
Rfesd	0.30805599	0.38139802	0.31705045	0.06434757	0.17218546	0.83696674
Shmt1	0.1306266	0.20326897	0.13896637	0.06430261	0.0155501	0.16638031
Cep290	0.36110937	0.43169098	0.36740793	0.06428305	0.20749449	0.89054584
Rmi1	0.24957954	0.32418097	0.25991547	0.0642655	0.12467116	0.70642606
H2afy	1.39283767	1.06750449	1.00324186	0.06426263	0.38268813	0.89054584
Epb41l2	0.28581949	0.35976447	0.29551862	0.06424585	0.15556461	0.79659772
Cep57	0.4515042	0.51386916	0.44968738	0.06418179	0.25304156	0.89054584
Mfng	0.42478068	0.48999717	0.42584596	0.06415122	0.24138873	0.89054584
Epb41l3	0.66791105	0.69045353	0.62635504	0.06409849	0.3167608	0.89054584
Tmem255a	0.09122311	0.16138268	0.09754404	0.06383864	0.00114768	0.01865367
Itfg1	0.96335648	0.8791007	0.81528568	0.06381502	0.35767879	0.89054584
Trappc6b	1.06803761	0.93320777	0.86941365	0.06379412	0.36623017	0.89054584
Vangl1	0.15629751	0.22932059	0.16556202	0.06375857	0.03639254	0.31331294
Arpc5	2.07859553	1.18604536	1.12229999	0.06374537	0.39565011	0.89054584
Dhdds	0.26727567	0.34105119	0.27737868	0.06367251	0.14243034	0.76225733
Snap23	0.56399922	0.60890356	0.54530429	0.06359928	0.29343546	0.89054584
Adgra2	0.14364886	0.2160868	0.15248982	0.06359697	0.02600537	0.24277262
Kif21a	0.69434044	0.70932617	0.64579596	0.0635302	0.32336001	0.89054584
Plekho1	0.10781265	0.17862772	0.11512053	0.06350719	0.00508282	0.06674888
Myzap	0.10777998	0.1785447	0.11508625	0.06345846	0.00510056	0.06692124

Hexa	0.99529696	0.89543312	0.83207331	0.06335981	0.36138321	0.89054584
Ccl11	0.065237	0.13313231	0.06978704	0.06334527	1.17E-05	0.00030674
Tmem175	0.16614089	0.23902552	0.17569147	0.06333406	0.04652964	0.37331857
Brca2	0.1420516	0.2141525	0.15083463	0.06331787	0.02524754	0.23753332
Rbm47	0.45225554	0.51365104	0.45035167	0.06329937	0.25628557	0.89054584
Pex5l	0.22733239	0.30103959	0.23775636	0.06328323	0.10747608	0.64845225
Lhx1	0.21774398	0.29131625	0.2281377	0.06317854	0.0984892	0.61600365
Afap1l2	0.10536111	0.17566523	0.11254664	0.06311859	0.00448973	0.06021472
Ccl5	0.03067463	0.09587843	0.03282465	0.06305378	1.79E-19	2.09E-17
Ebpl	0.44534517	0.50720319	0.44422917	0.06297402	0.25448175	0.89054584
Pigf	0.46839492	0.52751045	0.46453884	0.06297161	0.26383943	0.89054584
Ncoa3	0.15846181	0.23076139	0.16779258	0.06296881	0.04019768	0.33777651
2410015M2C	2.23377385	1.19100741	1.12808168	0.06292574	0.39747767	0.89054584
Psmc1	1.3655047	1.05695459	0.99403216	0.06292242	0.38403061	0.89054584
Galnt18	0.35491373	0.42449452	0.36160357	0.06289095	0.20888557	0.89054584
Ephb4	0.27080105	0.34364939	0.28084009	0.0628093	0.14871453	0.77667985
Rassf5	0.0599362	0.12691287	0.06412083	0.06279203	2.53E-06	7.42E-05
Traip	0.06297996	0.13015819	0.06737456	0.06278363	7.08E-06	0.00019212
Selplg	0.04439493	0.11027673	0.04750206	0.06277467	3.71E-10	1.85E-08
Wdr89	1.30314055	1.03452044	0.97174705	0.06277339	0.38172229	0.89054584
Neur11b	0.08423235	0.15284446	0.09008065	0.06276381	0.00058494	0.01043109
Smdt1	2.2449799	1.19102089	1.12830854	0.06271235	0.39783771	0.89054584
Timm10b	1.24807328	1.0131024	0.95039105	0.06271135	0.37926214	0.89054584
Pole3	0.39284641	0.45952487	0.39681795	0.06270692	0.23079647	0.89054584
Reep4	0.28792313	0.36027107	0.29756618	0.06270489	0.16310921	0.81647508
Tbc1d10a	0.31762532	0.38889786	0.32624109	0.06265677	0.1854522	0.8704066
Rgs18	0.03765491	0.10289327	0.04029242	0.06260085	2.27E-13	1.61E-11
Vash2	0.14805446	0.21962661	0.15704999	0.06257662	0.03170136	0.28093297
Eif4e3	0.36290583	0.43165148	0.36908714	0.06256433	0.21483929	0.89054584
Kif15	0.05363617	0.11985091	0.05738502	0.06246589	1.97E-07	6.80E-06

Tysnd1	0.34042321	0.41035131	0.34794725	0.06240406	0.20169636	0.89054584
Neil1	0.10028647	0.16960118	0.1072118	0.06238938	0.0033524	0.0471593
Miat	0.18893153	0.26131097	0.1989927	0.06231827	0.07227785	0.50878997
Zfp639	0.29615582	0.36781344	0.30555828	0.06225516	0.17125343	0.83568909
Mettl25	0.09802655	0.16704962	0.10480433	0.06224529	0.00282844	0.04076221
Afap1	0.30503342	0.37636863	0.31413831	0.06223032	0.17802205	0.85072631
Dpp4	0.2153888	0.28794492	0.22576879	0.06217612	0.09973553	0.62085259
Col27a1	0.30296261	0.37423366	0.31214047	0.06209319	0.17701793	0.84839864
Rab30	0.10599351	0.17528918	0.11321081	0.06207836	0.005314	0.06903437
Cnksr2	0.03224178	0.09656032	0.03450133	0.06205899	2.64E-17	2.74E-15
Mgst2	0.03760843	0.10227535	0.0402427	0.06203265	3.45E-13	2.40E-11
Cox4i2	0.05783127	0.12364934	0.06187047	0.06177887	1.64E-06	4.95E-05
Coq9	0.62634555	0.65656946	0.59480541	0.06176405	0.31427095	0.89054584
Ankrd37	0.34588293	0.41473042	0.35310588	0.06162455	0.20808463	0.89054584
Tnfaip8l2	0.04225158	0.10683315	0.0452095	0.06162365	1.07E-10	5.68E-09
Ppif	0.19941637	0.2712623	0.20963959	0.06162271	0.08542511	0.56503846
Rap1gapos	0.12456185	0.19426519	0.1326461	0.06161909	0.01522247	0.1634781
Zfp36	0.30166109	0.37246683	0.31088371	0.06158312	0.1780317	0.85072631
Derl2	0.98791737	0.88982444	0.82825473	0.06156971	0.36454727	0.89054584
Eif4e	1.39995642	1.06715733	1.00558793	0.0615694	0.38772469	0.89054584
Tmem80	0.32363311	0.3934553	0.3319873	0.061468	0.19417577	0.889076
Zeb1	0.33124264	0.40065904	0.33923852	0.06142052	0.19946876	0.89054584
Pld3	0.80463709	0.78296357	0.7215922	0.06137137	0.34596301	0.89054584
Rpl12	3.27750818	1.1264626	1.06518868	0.06127392	0.39434928	0.89054584
Rasl11a	0.09888717	0.1669724	0.10572251	0.06124989	0.00347597	0.04859656
Hspg2	0.26202702	0.33345902	0.2722142	0.06124482	0.1472723	0.77404405
Dfna5	0.23678978	0.30842882	0.24720378	0.06122503	0.12427442	0.70545441
Tmem186	0.23962805	0.31124188	0.25003128	0.0612106	0.12702576	0.7132531
Amotl1	0.39481928	0.45983184	0.39862804	0.0612038	0.237207	0.89054584
Csnk1d	0.79626637	0.7773319	0.71614627	0.06118563	0.34529757	0.89054584

Atf3	0.09486054	0.16252359	0.10142612	0.06109747	0.00250437	0.03663805
Zfp286	0.10399392	0.17218917	0.11111027	0.0610789	0.00521727	0.06800354
Mcm7	0.42000437	0.48260558	0.4215409	0.06106468	0.24987055	0.89054584
BC003331	0.33464338	0.40350289	0.34246929	0.06103361	0.20318482	0.89054584
Erdr1	0.24510758	0.31649081	0.25547946	0.06101135	0.13293858	0.72977796
Fam198b	0.13690289	0.20644138	0.14549241	0.06094897	0.02548686	0.2394741
Nat2	0.04971348	0.11412478	0.05319028	0.0609345	4.72E-08	1.75E-06
Tc2n	0.06201598	0.12713625	0.06634412	0.06079213	9.81E-06	0.00026014
Spink4	0.15421016	0.2241929	0.16340899	0.06078391	0.04154736	0.34499059
Pabpn1l	0.15266924	0.22258104	0.16181847	0.06076257	0.0401088	0.33768723
Gxylt2	0.12804815	0.19704277	0.13628093	0.06076184	0.0188905	0.19341421
Capza1	0.5307321	0.57858887	0.51785192	0.06073695	0.29238515	0.89054584
Rnf138rt1	0.3124402	0.38199817	0.32126674	0.06073142	0.18923631	0.87982135
Zbed4	0.14231009	0.21176723	0.15110256	0.06066466	0.03070916	0.27364557
Klhl8	0.13746689	0.2067081	0.14607812	0.06062998	0.02657491	0.24681805
Fam69a	0.21786473	0.28880724	0.2282591	0.06054815	0.10826021	0.6512683
Cebpz	0.65379755	0.67631777	0.61577458	0.06054319	0.32345148	0.89054584
Galnt16	0.11364054	0.18176667	0.12123041	0.06053627	0.00999762	0.11755519
Trip4	0.36406842	0.43066191	0.37017314	0.06048877	0.22323831	0.89054584
Aacs	0.59131993	0.62779386	0.56731331	0.06048056	0.30970601	0.89054584
Dbr1	0.24603137	0.31687416	0.2563966	0.06047757	0.1358997	0.73849629
Fen1	0.28045962	0.35075386	0.29029247	0.0604614	0.16593535	0.82390627
Rtn1	0.06679534	0.13190551	0.07145257	0.06045295	4.04E-05	0.00093082
Prickle1	0.12041291	0.18870414	0.12831463	0.06038951	0.01416571	0.15453307
Spcs2	2.62164798	1.18175192	1.12138904	0.06036287	0.40099033	0.89054584
Antxr1	0.10757045	0.17521695	0.11486634	0.06035061	0.00718655	0.08912799
Rhog	0.30948855	0.37872798	0.31842903	0.06029895	0.18882484	0.87855667
Rpl6l	2.08562835	1.18291123	1.12266915	0.06024208	0.4012947	0.89054584
Sdc2	0.37312751	0.43882163	0.37861	0.06021163	0.22936879	0.89054584
Kcnk1	0.34432426	0.41182432	0.35163478	0.06018953	0.21258799	0.89054584

Adm	0.0730164	0.13828357	0.0781004	0.06018316	0.00016526	0.00329118
Atp5b	3.5157881	1.09261941	1.03245956	0.06015985	0.393015	0.89054584
Eif2s3y	0.41303038	0.4753607	0.41523171	0.06012899	0.24994803	0.89054584
Prr7	0.32186199	0.3904068	0.33029524	0.06011156	0.19824778	0.89054584
Cltb	1.26228291	1.0160602	0.95608353	0.05997667	0.3850428	0.89054584
Rrs1	0.48200401	0.53626199	0.47638202	0.05987997	0.27906656	0.89054584
Aup1	0.39800544	0.46140552	0.40154665	0.05985887	0.24368061	0.89054584
Wnt4	0.20761175	0.27778154	0.21792895	0.05985259	0.10035278	0.62288099
Mcts2	0.33153833	0.39932862	0.33951967	0.05980895	0.2059064	0.89054584
Vstm4	0.17233035	0.24181136	0.18204058	0.05977078	0.06304477	0.46198345
Casp12	0.10072208	0.16729632	0.10767011	0.05962621	0.0049392	0.06533623
Olfm1	0.28003899	0.34944821	0.28988177	0.05956644	0.16919684	0.8322688
Lbh	0.24749062	0.31739587	0.25784451	0.05955136	0.14095878	0.75633618
Zfp931	0.17043869	0.23962371	0.18010179	0.05952192	0.06181241	0.45559551
Gm10036	0.90837431	0.8443113	0.78485742	0.05945388	0.36207409	0.89054584
Ptpre	0.07020711	0.13452307	0.07509863	0.05942444	0.00011366	0.00233399
Narf	0.35493289	0.42103606	0.36162155	0.05941451	0.2219973	0.89054584
Olfml2b	0.1673441	0.23632796	0.17692695	0.05940101	0.05888749	0.43985104
Oxct1	0.67990241	0.69455843	0.63523522	0.05932321	0.33174921	0.89054584
Grap	0.08534407	0.15056219	0.09126774	0.05929446	0.00123578	0.01990701
Atg10	0.31529963	0.38329442	0.32401165	0.05928277	0.19698973	0.89054584
Ccl9	0.03289397	0.09443941	0.0351991	0.05924032	2.23E-15	1.87E-13
Dus4l	0.0597256	0.12313262	0.06389568	0.05923694	7.83E-06	0.00021017
Ptprc	0.0421882	0.10435486	0.04514171	0.05921316	4.94E-10	2.41E-08
Golim4	0.84785889	0.8080696	0.74890203	0.05916758	0.35640559	0.89054584
Dll1	0.08106235	0.14586163	0.08669536	0.05916627	0.00073752	0.01268396
Vnn1	0.10296007	0.16917493	0.11002366	0.05915127	0.00612681	0.07737503
Ppp1r26	0.06694039	0.13071893	0.07160759	0.05911135	6.01E-05	0.00134153
Hip1	0.20353876	0.27292383	0.21381271	0.05911112	0.09886934	0.61754641
Dync1i2	1.77954973	1.1538695	1.09478662	0.05908288	0.40074032	0.89054584

Hdac10	0.06311642	0.12658591	0.06752042	0.05906549	2.30E-05	0.00056498
Hey1	0.06107933	0.12431667	0.06534286	0.0589738	1.31E-05	0.00033582
Sec22a	0.45756713	0.51400629	0.45503816	0.05896812	0.27300514	0.89054584
Amt	0.12107004	0.18795377	0.1290011	0.05895267	0.01662275	0.17624506
As3mt	0.49410274	0.54575724	0.48681473	0.05894251	0.28634479	0.89054584
Stx2	0.15471266	0.22282492	0.16392746	0.05889746	0.04707416	0.37685322
Klhl32	0.48804461	0.5404719	0.48160218	0.05886972	0.28450977	0.89054584
Samd4	0.09096242	0.15612057	0.09726578	0.05885479	0.002408	0.03546072
Psme3	0.42775757	0.48735746	0.42852238	0.05883509	0.26119639	0.89054584
Sh2d3c	0.39733401	0.4597371	0.40093208	0.05880502	0.24719901	0.89054584
Hacd1	0.58472289	0.62084717	0.5620438	0.05880337	0.31297403	0.89054584
Xrcc2	0.06107199	0.12409747	0.06533502	0.05876245	1.39E-05	0.00035686
Sssca1	0.71456334	0.71898444	0.66034155	0.05864289	0.33953002	0.89054584
Kif20b	0.14106575	0.20839307	0.14981253	0.05858054	0.0342453	0.29872948
Rab13	0.31605185	0.38322494	0.32473304	0.0584919	0.20068342	0.89054584
Aqp12	0.03157553	0.09227688	0.03378852	0.05848836	3.67E-16	3.33E-14
Otud6b	0.42719218	0.48648435	0.42801446	0.05846989	0.26224313	0.89054584
Mtch1	1.30058872	1.02924575	0.97078911	0.05845663	0.38953129	0.89054584
Srp9	2.15741894	1.18425818	1.12587856	0.05837962	0.40455369	0.89054584
Fabp3	0.26009462	0.32865417	0.27030946	0.0583447	0.15730282	0.80068898
Ttyh1	0.15293729	0.2204189	0.16209521	0.05832369	0.04683583	0.37515241
Gss	0.23968365	0.30836905	0.25008663	0.05828242	0.1387923	0.74747802
Col5a3	0.14177943	0.2088187	0.15055249	0.0582662	0.0356875	0.30938746
Il2rg	0.05966654	0.12209166	0.06383255	0.05825911	1.06E-05	0.00027804
Osbpl5	0.1899598	0.25829568	0.20003895	0.05825673	0.08742093	0.57117106
Aldh1a2	0.05031573	0.1119923	0.05383433	0.05815797	2.41E-07	8.21E-06
Nosip	0.29074495	0.35844345	0.30030934	0.05813411	0.18355996	0.86657514
Fam43a	0.34634868	0.41160029	0.35354521	0.05805508	0.22212471	0.89054584
Med1	0.36428301	0.42841742	0.37037352	0.0580439	0.23265345	0.89054584
Tgfbi	0.07584593	0.13909546	0.0811234	0.05797206	0.00043524	0.00798748

Col23a1	0.13307116	0.19947544	0.14151	0.05796544	0.02816981	0.2571826
Foxs1	0.06467578	0.12707739	0.06918719	0.0578902	4.85E-05	0.001101
Zfp770	0.14981877	0.21673891	0.15887405	0.05786486	0.0448604	0.36375062
Cbr1	0.89020855	0.83218192	0.77434106	0.05784086	0.36391696	0.89054584
Rgs16	0.09088289	0.15501678	0.09718088	0.05783589	0.00277962	0.04029886
Pld4	0.02591525	0.08554297	0.02773235	0.05781063	1.34E-22	1.89E-20
Fhl3	0.03653899	0.09686473	0.03909864	0.0577661	2.92E-12	1.82E-10
Praf2	0.28427317	0.35174235	0.29401212	0.05773022	0.18014884	0.85660801
Th	0.09338326	0.15752652	0.09984958	0.05767694	0.00355996	0.04953196
Fam64a	0.09394521	0.15809866	0.10044931	0.05764935	0.00374946	0.05182043
Dlc1	0.38063585	0.44317316	0.38556823	0.05760494	0.24319612	0.89054584
Atpaf1	0.26949948	0.33715424	0.27956283	0.05759141	0.16858641	0.83078375
Casp8	0.25966851	0.32746171	0.26988922	0.05757249	0.16015025	0.8080503
Gtdc1	0.14286215	0.20916827	0.15167471	0.05749357	0.03869703	0.32924273
Cib2	0.29194894	0.35891191	0.30147856	0.05743334	0.1873903	0.87468918
lfrd2	0.30063269	0.36719428	0.30989006	0.05730422	0.1944754	0.88943353
Arhgap20	0.06653028	0.12846153	0.07116929	0.05729225	8.82E-05	0.00186754
Slc39a1	0.35979079	0.42341881	0.36617437	0.05724443	0.23320357	0.89054584
Ap5s1	0.14328915	0.20934138	0.15211715	0.05722423	0.03983321	0.33653955
Scn9a	0.17545464	0.24245254	0.18523944	0.0572131	0.07508068	0.52132173
Mcm2	0.34615743	0.41056447	0.35336482	0.05719964	0.22537983	0.89054584
Fam217b	0.03101655	0.09035758	0.03319047	0.05716711	5.10E-16	4.53E-14
Sec61a2	0.4866243	0.53750333	0.48037681	0.05712652	0.28977495	0.89054584
Ggt5	0.09580135	0.15955527	0.10243007	0.0571252	0.00468448	0.06242235
Klf14	0.12588319	0.19113944	0.13402422	0.05711522	0.02354801	0.22594241
Bora	0.04815994	0.10863515	0.05152885	0.0571063	1.21E-07	4.28E-06
Ocln	0.25643527	0.32379369	0.26669786	0.05709583	0.15928367	0.80659958
Gse1	0.48917496	0.53965383	0.48257649	0.05707734	0.29080242	0.89054584
Lpar1	0.17345984	0.24020337	0.18319749	0.05700588	0.07356679	0.51488639
Zmym1	0.23936918	0.30674326	0.24977355	0.05696971	0.14397336	0.76637203

Ahr	0.21146036	0.2787484	0.22181198	0.05693642	0.11586911	0.67896213
Adgrf5	0.13033956	0.19555228	0.13866754	0.05688473	0.02798887	0.2558529
Dlgap4	0.57478826	0.61081946	0.55405352	0.05676593	0.31656179	0.89054584
Usp37	0.27117996	0.33796168	0.28121176	0.05674992	0.1735582	0.8390286
Nsmce2	0.58899218	0.62219698	0.5654573	0.05673967	0.32007393	0.89054584
Ddc	0.36874465	0.4312153	0.37453382	0.05668148	0.24038075	0.89054584
Chaf1a	0.18017243	0.24672138	0.19006236	0.05665903	0.08243681	0.55212586
Rfc4	0.32519981	0.39013971	0.33348271	0.056657	0.21431733	0.89054584
Rbm15	0.18579341	0.25243586	0.19579695	0.0566389	0.08887599	0.57774473
Wdr60	0.19754506	0.26437625	0.20774283	0.05663342	0.10202658	0.62810247
Gmfb	0.50775308	0.55510833	0.49847934	0.05662898	0.29830842	0.89054584
Cox7a1	0.10273479	0.16633307	0.10978682	0.05654624	0.00820626	0.09937802
Smim24	0.15238934	0.218023	0.16152947	0.05649353	0.05161161	0.40164524
Gnb1l	0.06086273	0.12155829	0.06511132	0.05644697	2.68E-05	0.00064752
Nedd9	0.06628641	0.12735508	0.07090865	0.05644643	0.00010415	0.00216334
Tmem47	0.09007696	0.15275368	0.09632061	0.05643307	0.0031704	0.04507926
Zwint	1.19984756	0.98686118	0.93042886	0.05643231	0.38875178	0.89054584
Airn	0.37304261	0.43494697	0.37853114	0.05641582	0.24372731	0.89054584
Edem1	0.25340892	0.32011584	0.26370662	0.05640922	0.15948189	0.80704115
Rdh10	0.12833734	0.19298037	0.13658224	0.05639813	0.02719045	0.25100767
Nde1	0.19291746	0.25935601	0.20304579	0.05631022	0.09816934	0.61534939
Vbp1	1.38644143	1.05738517	1.00110892	0.05627625	0.3967003	0.89054584
Brd9	0.26245219	0.32889582	0.27263304	0.05626278	0.1681612	0.82993631
Ttyh3	0.39499883	0.45502705	0.39879267	0.05623439	0.25560182	0.89054584
Hpcal1	0.77699221	0.75955249	0.70341354	0.05613895	0.35501087	0.89054584
Ocel1	0.26469829	0.33097976	0.27484428	0.05613549	0.17065906	0.83412025
Arhgap36	0.05711321	0.11713418	0.06110276	0.05603141	9.67E-06	0.00025784
Fbxo3	0.69442847	0.70181685	0.6458599	0.05595694	0.34323576	0.89054584
Parl	0.60387271	0.63314176	0.57726025	0.05588152	0.32599208	0.89054584
Fam208a	0.33699711	0.4005595	0.34470199	0.05585751	0.22513593	0.89054584

Klf13	0.45215434	0.50610601	0.45026222	0.0558438	0.28169099	0.89054584
Smim14	1.5934678	1.11501934	1.05927222	0.05574712	0.40315481	0.89054584
Srd5a3	0.34344712	0.40644243	0.35080636	0.05563607	0.22998874	0.89054584
Ncapg	0.11453216	0.17779898	0.12216405	0.05563493	0.01692997	0.17876959
Rps6ka1	0.10326329	0.16596856	0.11034239	0.05562617	0.00942002	0.11157803
Paics	1.04394606	0.91277446	0.85715193	0.05562253	0.38120055	0.89054584
Ppp1r14a	0.19692261	0.26268356	0.20711157	0.05557198	0.10563468	0.64240417
Fam213a	0.73075767	0.72733955	0.6717812	0.05555835	0.3500044	0.89054584
Col8a2	0.11504996	0.17821105	0.12270613	0.05550492	0.0175403	0.1828909
Gm4319	0.03170127	0.0894121	0.03392305	0.05548905	1.26E-14	9.99E-13
Dnajc25	0.36106092	0.42284943	0.36736262	0.05548681	0.2408126	0.89054584
Asph	0.63319306	0.65556269	0.60008427	0.05547842	0.33333453	0.89054584
Rbp7	0.04200874	0.10042157	0.04494974	0.05547182	4.47E-09	1.91E-07
Dtl	0.19532288	0.26094433	0.20548845	0.05545588	0.10431807	0.63653341
Ptbp3	1.15346416	0.96546896	0.9100148	0.05545417	0.38824161	0.89054584
Mrpl45	0.46002242	0.51263612	0.45719873	0.05543739	0.28606497	0.89054584
Sqstm1	1.21484988	0.99218014	0.93679587	0.05538426	0.39148871	0.89054584
Mcur1	0.33497042	0.39815698	0.34277967	0.05537731	0.2258244	0.89054584
Tmem14c	1.3014331	1.02648046	0.97110653	0.05537393	0.39525065	0.89054584
Rfc1	0.69831412	0.70401709	0.64867669	0.0553404	0.3455115	0.89054584
Ebf2	0.10486387	0.16736232	0.11202432	0.055338	0.01068358	0.12381337
Ndufaf4	0.53594657	0.57751919	0.52220174	0.05531745	0.31082006	0.89054584
Stmn4	0.05493197	0.11404177	0.05877058	0.05527119	5.89E-06	0.00016241
Atp6v1e1	1.7791784	1.15000158	1.09473125	0.05527034	0.4070195	0.89054584
Sesn2	0.33966834	0.40250133	0.34723275	0.05526858	0.22917775	0.89054584
Gpr83	0.03234081	0.08983398	0.03460728	0.0552267	5.24E-14	3.87E-12
Dact2	0.31343459	0.37743961	0.32222178	0.05521783	0.21232394	0.89054584
Me1	0.26461528	0.32997903	0.27476261	0.05521642	0.1745689	0.84202063
Gypc	0.12517828	0.1884878	0.1332891	0.05519869	0.02684086	0.24851031
Arfip2	0.83934025	0.79873587	0.74362675	0.05510911	0.36494666	0.89054584

Cdhr1	0.13805686	0.20178301	0.14669065	0.05509237	0.04008065	0.3376463
Josd1	0.2442641	0.30971917	0.25464171	0.05507746	0.15679909	0.79932251
Mylk	0.12291212	0.18599843	0.13092458	0.05507385	0.02500966	0.23590763
Zfp114	0.07548683	0.13578945	0.08073977	0.05504968	0.00074521	0.01280106
Ngfr	0.11463325	0.17730295	0.12226989	0.05503306	0.01799829	0.18665181
Antxr2	0.19422326	0.25938876	0.20437212	0.05501664	0.10488841	0.63913594
Gadd45b	0.37503628	0.4353899	0.38038189	0.05500801	0.25023783	0.89054584
Prss3	0.03442281	0.09181777	0.03683472	0.05498305	1.77E-12	1.14E-10
Sod1	0.9800512	0.87911288	0.82414088	0.054972	0.37799094	0.89054584
Ctrl	0.02588396	0.08265951	0.02769886	0.05496065	1.18E-20	1.50E-18
Gnai1	0.54730286	0.58656394	0.5316142	0.05494975	0.31505693	0.89054584
Vamp2	0.97876524	0.87834074	0.82346408	0.05487667	0.37809889	0.89054584
H2-Q2	0.13599429	0.19938919	0.1445486	0.05484059	0.03856679	0.32845551
Atp6v1f	2.22047977	1.18258218	1.12777677	0.05480541	0.41044291	0.89054584
Dph3	0.84416971	0.80142761	0.746624	0.05480361	0.36618483	0.89054584
Usp15	0.45912107	0.51119086	0.456406	0.05478486	0.28799974	0.89054584
Dctpp1	0.71330864	0.71416939	0.65944743	0.05472196	0.34952391	0.89054584
Ccdc141	0.07618631	0.13620889	0.08148703	0.05472186	0.000878	0.01478428
Col9a3	0.24599634	0.31106413	0.25636182	0.05470231	0.1600818	0.8080503
Gipc2	0.06220825	0.12119687	0.06654965	0.05464722	6.52E-05	0.00143389
Gipr	0.30981092	0.37326082	0.31873911	0.05452171	0.21274524	0.89054584
Sec23a	0.4344044	0.48899094	0.43447953	0.05451141	0.27943257	0.89054584
Klrb1b	0.03602908	0.09299607	0.03855314	0.05444294	2.37E-11	1.35E-09
Bmp4	0.073957	0.13353746	0.07910536	0.0544321	0.00067344	0.01179168
Rock1	1.20961258	0.98902343	0.93459139	0.05443204	0.39306327	0.89054584
Ctxn1	0.74404225	0.73535956	0.68102699	0.05433256	0.35506113	0.89054584
B4gat1	0.3280301	0.39045302	0.33618095	0.05427207	0.22598767	0.89054584
Ppp1r14c	0.19883253	0.26328205	0.20904798	0.05423407	0.11339175	0.67072771
Pak1	0.17323051	0.2371933	0.18296263	0.05423067	0.08365113	0.55785378
Dusp5	0.28698682	0.35087845	0.2966551	0.05422335	0.19722562	0.89054584

Ednrb	0.06961665	0.12866177	0.07446766	0.05419411	0.00034875	0.00651565
Hist1h1b	0.08197316	0.14183503	0.08766808	0.05416694	0.00199728	0.03006907
Ap1m2	0.41460604	0.47081334	0.41665932	0.05415401	0.27241293	0.89054584
1810011O10	0.10241981	0.16359696	0.10945567	0.05414129	0.01059717	0.12300859
Insm1	0.67019973	0.68216235	0.6280577	0.05410465	0.34408156	0.89054584
Mtfr1	0.42327723	0.47854602	0.42449228	0.05405375	0.27650441	0.89054584
Inafm2	0.10593778	0.16710815	0.11315229	0.05395585	0.01315577	0.14604317
Inhba	0.05510172	0.11290131	0.05895208	0.05394923	1.01E-05	0.00026565
Cercam	0.13069436	0.19292345	0.1390369	0.05388655	0.03548524	0.30806285
Syne2	0.53897671	0.57859173	0.52472136	0.05387036	0.31621521	0.89054584
Zscan21	0.24913635	0.31333952	0.25947627	0.05386325	0.16674102	0.82618294
Tshz3	0.17521665	0.23883317	0.18499591	0.05383726	0.08757523	0.57192148
Eftud1	0.20254351	0.26664025	0.21280589	0.05383436	0.11928055	0.69117879
Glis1	0.04471668	0.10165008	0.04784619	0.05380389	8.07E-08	2.94E-06
Adra2a	0.30617155	0.36902897	0.3152354	0.05379357	0.21329849	0.89054584
Fxyd2	0.1306896	0.19282031	0.13903194	0.05378837	0.03573803	0.30938746
Smim4	0.55030089	0.58781806	0.53408585	0.05373221	0.31963589	0.89054584
Peak1	0.19366645	0.25752402	0.20380665	0.05371737	0.10973129	0.65549414
Aggf1	0.61107995	0.63663495	0.58292454	0.05371041	0.33386237	0.89054584
Chst12	0.36132549	0.42131048	0.36761003	0.05370046	0.2480693	0.89054584
Osbpl11	0.22660374	0.2906902	0.23702687	0.05366333	0.14575997	0.76928578
Mrps27	0.21369288	0.27772181	0.22406146	0.05366035	0.1322609	0.72909452
Mark4	0.24311762	0.30710331	0.25350249	0.05360082	0.16228967	0.81470761
Armcx3	1.20140381	0.98468784	0.93109633	0.0535915	0.39428938	0.89054584
Kctd13	0.60192324	0.62930368	0.5757221	0.05358158	0.33228925	0.89054584
Ptk2	0.29676993	0.35970676	0.30615308	0.05355367	0.20754677	0.89054584
Erlec1	0.85669716	0.80785533	0.75431885	0.05353648	0.37045055	0.89054584
Gm266	0.14530808	0.20774193	0.15420815	0.05353378	0.05289983	0.40810662
2410089E03I	0.31589145	0.37805627	0.32457924	0.05347704	0.22136303	0.89054584
B230217C12I	0.14586072	0.20815486	0.15478024	0.05337462	0.05407159	0.41528696

Scand1	1.79293814	1.15004508	1.09675007	0.05329501	0.41044725	0.89054584
Tnfrsf11b	0.03793787	0.0938764	0.04059512	0.05328128	4.83E-10	2.37E-08
Prkx	0.14431942	0.20631172	0.1531844	0.05312733	0.05306755	0.40902355
Arhgap25	0.04426579	0.10044667	0.04736393	0.05308274	8.88E-08	3.22E-06
Map3k15	0.20221601	0.26549007	0.21247449	0.05301558	0.1225211	0.70076598
Spdya	0.0308353	0.08599897	0.03299655	0.05300242	3.61E-14	2.71E-12
Bbs2	0.1427945	0.2046017	0.1516046	0.05299711	0.05169385	0.40185388
Ttll4	0.07139215	0.12934802	0.07636491	0.05298311	0.00061368	0.0109034
Rnase1	0.11608173	0.17670573	0.12378598	0.05291975	0.02319956	0.22378393
Nfe2l2	0.7739428	0.7542748	0.70137455	0.05290025	0.36264621	0.89054584
Pcdh18	0.14301498	0.2047182	0.15183307	0.05288513	0.05232031	0.40455457
Sec24d	0.4082579	0.46375934	0.41089888	0.05286046	0.27446852	0.89054584
Serpib9	0.11163101	0.17195975	0.11912506	0.05283469	0.01939786	0.19735881
2310035C23I	0.25909216	0.32208919	0.26932066	0.05276854	0.18066447	0.85856175
Slc1a3	0.0895989	0.14846919	0.0958103	0.05265889	0.00522413	0.06800354
Mgll	0.16161134	0.22368316	0.17103515	0.05264801	0.07576982	0.5231004
Gdf10	0.06452406	0.12163111	0.06902503	0.05260608	0.00019209	0.00378383
Rnf185	0.14486901	0.20628808	0.15375355	0.05253454	0.0557072	0.423293
Mgat2	0.97248513	0.87264828	0.8201416	0.05250669	0.38274765	0.89054584
Ifi203	0.09067345	0.14944543	0.09695733	0.05248809	0.00583234	0.07417302
Slc40a1	0.28204244	0.344283	0.29183714	0.05244586	0.20122454	0.89054584
Sh3tc1	0.06749827	0.12463828	0.07220382	0.05243446	0.00035807	0.00668116
Ubr7	0.4172663	0.47149988	0.41906698	0.0524329	0.27997415	0.89054584
Cited1	0.2106063	0.27333713	0.22095084	0.05238629	0.1346642	0.73479922
Tmem245	0.29024969	0.35219221	0.29982818	0.05236404	0.20791723	0.89054584
Pus3	0.24588973	0.30860303	0.256256	0.05234703	0.17062171	0.83412025
Amdhd2	0.16747524	0.22939512	0.17706156	0.05233356	0.08425157	0.559798
Mecom	0.11067229	0.17044317	0.1181201	0.05232307	0.01952081	0.19784693
Dcaf13	0.36232846	0.42085065	0.36854757	0.05230308	0.25424784	0.89054584
Rora	0.24996173	0.31257609	0.26029416	0.05228194	0.17469284	0.84226179

Bub1b	0.1034147	0.16277616	0.11050154	0.05227462	0.01376249	0.15092931
Plin2	0.45011524	0.50072193	0.44845845	0.05226348	0.29358061	0.89054584
Tbc1d4	0.07593441	0.13347553	0.08121793	0.0522576	0.00136023	0.02159978
Gm12942	0.19590927	0.25829238	0.20608355	0.05220883	0.11894289	0.69060234
Pdlim1	0.23526951	0.29780174	0.24568776	0.05211397	0.1615201	0.81253242
Ifngr1	0.37065108	0.42836272	0.37630815	0.05205457	0.25963548	0.89054584
Ctla2b	0.03395791	0.08837034	0.03633736	0.05203298	1.27E-11	7.44E-10
Tspan12	0.20393708	0.26624139	0.21421554	0.05202585	0.12892184	0.71861164
Arrdc3	0.2764917	0.33839902	0.28641477	0.05198426	0.19888866	0.89054584
Dhx57	0.19167156	0.25373839	0.20177963	0.05195876	0.11513005	0.67639855
5730409E04I	0.11838337	0.17809542	0.12619343	0.05190198	0.02767162	0.25375276
Plxnd1	0.10735973	0.16653837	0.11464517	0.0518932	0.01747955	0.18270984
Ly6g6d	0.05343848	0.10906116	0.05717363	0.05188752	1.18E-05	0.00030714
Mtmr12	0.11654835	0.17614719	0.12427421	0.05187298	0.02590696	0.24216579
Caap1	0.31676546	0.37728726	0.32541714	0.05187012	0.22885722	0.89054584
Prkar2a	0.37916624	0.43598035	0.38420877	0.05177158	0.26507217	0.89054584
Nfkbil1	0.31049784	0.37114099	0.31939978	0.05174121	0.22520675	0.89054584
Rpp40	0.14252988	0.20307132	0.15133036	0.05174096	0.05558837	0.42283327
Npr3	0.11895682	0.17840669	0.12679293	0.05161376	0.02894559	0.26244722
Hsph1	0.76898804	0.74958216	0.69804715	0.05153502	0.36543909	0.89054584
Rrp8	0.3052527	0.36588148	0.31434973	0.05153174	0.22250929	0.89054584
Gem	0.22058911	0.2824415	0.23099613	0.05144537	0.14972879	0.77861117
Lrrcc1	0.32828045	0.38785408	0.33641941	0.05143467	0.23813993	0.89054584
Mxi1	0.19906746	0.26068251	0.20928606	0.05139645	0.12628229	0.71147001
Arhgef15	0.07301794	0.12938731	0.07810205	0.05128526	0.0011094	0.01807196
Crb3	0.65656664	0.66914667	0.61786142	0.05128525	0.34948439	0.89054584
Ggta1	0.19043209	0.25179138	0.20051933	0.05127204	0.11677306	0.68200227
Pltp	0.16129391	0.22195056	0.17070853	0.05124203	0.08098347	0.54583838
Cntnap3	0.02740853	0.08050483	0.02933012	0.05117471	2.17E-16	2.03E-14
St18	0.49308764	0.53707755	0.48594291	0.05113464	0.31197868	0.89054584

Fam101b	0.32206072	0.38151796	0.33048518	0.05103278	0.23594009	0.89054584
Tgfbr2	0.18599367	0.24693561	0.19600101	0.0509346	0.11300239	0.66962283
Fam122a	0.68689039	0.69126237	0.64036495	0.05089742	0.35557894	0.89054584
Cdk7	0.46656989	0.51383816	0.46294241	0.05089575	0.30425462	0.89054584
Gas7	0.068677	0.12433796	0.07346351	0.05087445	0.00062684	0.01106931
Frmd4a	0.27535339	0.33615877	0.28530091	0.05085786	0.20312672	0.89054584
Rap1gap2	0.53096297	0.56888205	0.51804488	0.05083717	0.32376553	0.89054584
Crybb1	0.07466537	0.13069773	0.07986218	0.05083555	0.00151043	0.02354648
Fam126a	0.18423535	0.24496474	0.19420873	0.05075601	0.11168731	0.66441926
Lpxn	0.03346068	0.08655459	0.03580539	0.0507492	2.01E-11	1.16E-09
Rbmx2	0.32157644	0.38070345	0.33002229	0.05068116	0.23715979	0.89054584
Zfp566	0.09069409	0.14762667	0.09697936	0.0506473	0.00748459	0.09211506
Tmem184b	0.43588996	0.48644171	0.43580738	0.05063433	0.29415055	0.89054584
Zfp608	0.21067746	0.27160062	0.2210226	0.05057802	0.14318122	0.76468733
Yif1b	0.73782531	0.72726537	0.67671579	0.05054958	0.3639143	0.89054584
Gstm4	0.184469	0.24499436	0.19444696	0.05054739	0.11292597	0.66962283
Xkr6	0.11049287	0.1684504	0.11793198	0.05051842	0.02298076	0.22241326
Kif2c	0.08245387	0.13868408	0.08818146	0.05050262	0.00381256	0.0523929
Psmc3ip	0.17945171	0.23980677	0.18932611	0.05048066	0.107076	0.64763783
Uhrf1	0.1642168	0.22419292	0.17371455	0.05047837	0.08789917	0.57377853
Sirt6	0.19373684	0.25431216	0.20387814	0.05043402	0.12455827	0.70642606
Elp6	0.24461011	0.30539816	0.25498541	0.05041275	0.17849607	0.85194992
Arl13b	0.32790205	0.38638191	0.33605896	0.05032295	0.24269792	0.89054584
H2afj	1.46627069	1.07636943	1.02607091	0.05029851	0.409674	0.89054584
Krtcap2	2.36772628	1.17985076	1.12955641	0.05029434	0.41783201	0.89054584
Hnf1b	0.14474862	0.20390672	0.15362888	0.05027784	0.06366409	0.46498842
Ifi30	0.56203114	0.59396775	0.54370008	0.05026767	0.33332821	0.89054584
Gm10320	0.29301858	0.35276855	0.30251671	0.05025183	0.21949237	0.89054584
Ahnak2	0.12777518	0.18622263	0.13599649	0.05022614	0.04265831	0.35099897
Pfdn4	1.32138708	1.02869752	0.97848122	0.0502163	0.40551405	0.89054584

Skap2	0.33196701	0.39013333	0.3399272	0.05020614	0.24569164	0.89054584
Cttnbp2nl	0.19461315	0.2549485	0.20476799	0.05018051	0.12678485	0.71241644
Gpatch1	0.26750504	0.3276923	0.27760407	0.05008823	0.20028183	0.89054584
Lrch3	0.18049209	0.24039883	0.19038883	0.05001	0.11051802	0.65883644
Cyp20a1	0.47922555	0.52397593	0.47397334	0.05000259	0.31153551	0.89054584
Rbms3	0.68185801	0.68666334	0.63667425	0.04998909	0.35725669	0.89054584
Trappc2	0.40870938	0.46128542	0.41130933	0.04997608	0.28566834	0.89054584
Hivep2	0.0957618	0.15235001	0.10238786	0.04996215	0.01150041	0.13128581
Tmem183a	0.59620754	0.62109487	0.57119856	0.04989631	0.34201288	0.89054584
Stx7	1.00135063	0.88507125	0.83521226	0.04985899	0.39045972	0.89054584
Reln	0.03648764	0.08888438	0.03904371	0.04984068	1.36E-09	6.33E-08
Zcchc5	0.13593963	0.1943079	0.14449181	0.04981608	0.05410933	0.41528696
Scarf2	0.1220157	0.17980447	0.1299887	0.04981577	0.03709392	0.31859456
9330020H09	0.13688415	0.19523586	0.14547295	0.04976291	0.05549993	0.42238211
Dennd5b	0.18625461	0.24599728	0.19626688	0.0497304	0.1189028	0.69060234
Lama1	0.03110336	0.08299744	0.03328335	0.04971408	1.71E-12	1.12E-10
Trappc9	0.28774847	0.34710864	0.29739627	0.04971238	0.21805389	0.89054584
Sox7	0.04758812	0.10061795	0.05091729	0.04970066	2.71E-06	7.83E-05
Mtrf1l	0.23364171	0.29375649	0.24406334	0.04969316	0.17141307	0.83588128
Ubox5	0.05255098	0.10589508	0.05622462	0.04967046	1.93E-05	0.00047966
Casz1	0.3786948	0.43340668	0.3837724	0.04963428	0.27340308	0.89054584
Tspan5	0.58854899	0.6147277	0.56510352	0.04962418	0.34122515	0.89054584
1810043G02	0.56552884	0.59617126	0.54654934	0.04962192	0.33615081	0.89054584
Nudt13	0.18834886	0.24801806	0.19839965	0.04961841	0.12197517	0.70028846
Actn3	0.13238578	0.19039516	0.14079708	0.04959808	0.05037914	0.39545033
Ranbp1	2.46821103	1.177427	1.12785323	0.04957377	0.41887219	0.89054584
C1qbp	1.14268062	0.95472062	0.90514917	0.04957144	0.39930293	0.89054584
RP23-4H17.3	0.03533079	0.08735242	0.0378061	0.04954632	5.12E-10	2.48E-08
1110002L01F	0.15615131	0.21493072	0.16541128	0.04951944	0.08154492	0.54834798
Ccdc114	0.03409433	0.08600261	0.03648331	0.0495193	1.28E-10	6.71E-09

Mbnl1	0.3143204	0.37255024	0.32307211	0.04947813	0.23776461	0.89054584
Fam109a	0.25142223	0.31121059	0.26174063	0.04946996	0.18927871	0.87982135
Rgma	0.11599191	0.17314472	0.12369199	0.04945272	0.03125438	0.27782097
Cox7b	2.35974927	1.17899535	1.129547	0.04944835	0.41919426	0.89054584
Ogg1	0.14209408	0.20032231	0.15087867	0.04944364	0.06341076	0.46337157
Timp1	0.17615085	0.23539295	0.18595171	0.04944123	0.10772292	0.64857426
Polr3d	0.4880762	0.53101207	0.48162943	0.04938264	0.3164345	0.89054584
Prkar1a	2.43453824	1.17801347	1.12865125	0.04936223	0.41926993	0.89054584
Hs3st1	0.10120449	0.15753167	0.10817759	0.04935408	0.01677003	0.17733907
Dse	0.16829407	0.22724068	0.17790197	0.0493387	0.09816225	0.61534939
Gramd3	0.34321157	0.39990047	0.35058383	0.04931664	0.25611367	0.89054584
Irf2bpl	0.77071406	0.74850635	0.69920829	0.04929805	0.37127395	0.89054584
Gsk3b	1.35889835	1.04107255	0.99177864	0.04929391	0.40843944	0.89054584
Zdhhc6	0.49244571	0.53465257	0.48539126	0.04926131	0.31816872	0.89054584
Alkbh4	0.10885115	0.165464	0.11621019	0.04925381	0.02415583	0.23040214
Rnf38	0.14082029	0.19878145	0.14955798	0.04922347	0.0625911	0.45969899
Clptm1l	0.80787492	0.77289069	0.72368498	0.04920571	0.37570654	0.89054584
Zfp959	0.10658655	0.16303337	0.11383351	0.04919986	0.02202389	0.21618304
Gm26825	0.21043413	0.2699739	0.22077721	0.04919669	0.14959523	0.77846267
Mbtps2	0.16567435	0.22437554	0.17521226	0.04916328	0.09556137	0.60579307
Ptcd2	0.35873503	0.41434048	0.36518601	0.04915447	0.26529715	0.89054584
Kif12	0.68893477	0.69096536	0.64185918	0.04910617	0.36075642	0.89054584
Etfb	1.8595491	1.15441706	1.10534059	0.04907647	0.41806186	0.89054584
Rgl1	0.2150499	0.274486	0.22542772	0.04905828	0.15531683	0.79568319
Fadd	0.11408267	0.1706937	0.12169342	0.04900029	0.03033181	0.27111628
Rars2	0.51748545	0.55568103	0.50672418	0.04895686	0.32631165	0.89054584
Nubpl	0.17407257	0.23277976	0.18382487	0.04895489	0.10735183	0.64845225
Zscan26	0.27425046	0.33316983	0.28422108	0.04894875	0.21117064	0.89054584
Morn4	0.08555455	0.14043658	0.09149248	0.0489441	0.00634575	0.07965421
Grhpr	0.68249141	0.68606768	0.63713976	0.04892792	0.36025608	0.89054584

Paip1	0.33897644	0.39544529	0.34657761	0.04886768	0.25561812	0.89054584
Sh3pxd2a	0.2084287	0.26760836	0.21875376	0.0488546	0.14905657	0.77749274
Leprot	0.78836163	0.75979873	0.7109566	0.04884213	0.37445937	0.89054584
Rragd	0.09073318	0.14583456	0.09702108	0.04881348	0.00953863	0.11279862
Hmcn1	0.12740006	0.18441243	0.13560555	0.04880688	0.04678718	0.37496992
Ccdc79	0.04329184	0.09510166	0.04632219	0.04877946	4.65E-07	1.53E-05
Stat5a	0.09815145	0.15371129	0.10493759	0.0487737	0.01517784	0.16311955
Vcpip1	0.30414827	0.36202379	0.31328461	0.04873917	0.23428319	0.89054584
Afap1l1	0.08680911	0.14156735	0.09283198	0.04873538	0.00722509	0.08937658
Pkig	1.06822163	0.91816025	0.86950617	0.04865407	0.39716361	0.89054584
Cbs	0.11299269	0.16919627	0.12055183	0.04864444	0.03005736	0.26949389
Aldoc	0.34718935	0.40296859	0.35433789	0.04863069	0.26127781	0.89054584
Fbxo16	0.14408381	0.20157029	0.15294037	0.04862992	0.06925169	0.49496101
Sirpa	0.17285538	0.23120782	0.18257842	0.04862941	0.10732134	0.64845225
Fam114a1	0.25250909	0.31143949	0.26281639	0.0486231	0.19436006	0.88918656
Abcb10	0.24901808	0.30793906	0.25935904	0.04858002	0.19142508	0.88412897
Rdm1	0.25490699	0.31366737	0.26518785	0.04847951	0.19718747	0.89054584
Appl1	0.49443869	0.53556354	0.48710317	0.04846037	0.32150176	0.89054584
Vopp1	0.1691729	0.22722883	0.17880365	0.04842518	0.10351479	0.63276555
Nt5m	0.51079402	0.54947974	0.50106195	0.04841779	0.32628488	0.89054584
Nmt2	0.66306005	0.67113878	0.62273405	0.04840473	0.35862498	0.89054584
Elp4	0.64640478	0.65853278	0.61017872	0.04835406	0.35598889	0.89054584
Bbs10	0.05473911	0.10690254	0.05856437	0.04833817	6.02E-05	0.00134213
Spa17	0.24691903	0.3055955	0.25727747	0.04831803	0.19079429	0.88318504
Pla2g2f	0.36468299	0.41906325	0.37074693	0.04831632	0.27187218	0.89054584
Gpr155	0.07846635	0.13223758	0.08392261	0.04831497	0.00365707	0.05073697
Traf1	0.03794086	0.08890518	0.04059832	0.04830685	1.48E-08	5.94E-07
Zc3h14	0.82095432	0.78036306	0.73206208	0.04830099	0.37927176	0.89054584
Gria3	0.18585205	0.24413608	0.19585671	0.04827937	0.12539237	0.7081958
Map3k6	0.04053814	0.09152737	0.04337669	0.04815068	1.16E-07	4.12E-06

Wasf2	0.90329618	0.83008088	0.781942	0.04813888	0.38712527	0.89054584
Tmem192	0.26941154	0.3275821	0.2794765	0.0481056	0.21129615	0.89054584
Gulp1	0.13635237	0.19298599	0.14492059	0.0480654	0.06114681	0.45276125
Cldn2	0.0522242	0.10391916	0.05587519	0.04804397	3.09E-05	0.00073399
Lyn	0.12380507	0.17988717	0.13185651	0.04803066	0.04484008	0.36375062
Mlec	0.95890673	0.86090016	0.81289975	0.04800042	0.39161857	0.89054584
Smim3	0.07239086	0.12540984	0.07743204	0.0479778	0.00194631	0.02942399
Mrpl49	0.74005783	0.72622387	0.67826715	0.04795672	0.37092316	0.89054584
Flna	0.4122235	0.46236194	0.41450008	0.04786185	0.29530141	0.89054584
Fam178a	0.31693873	0.37340798	0.3255832	0.04782478	0.24687712	0.89054584
Pqlc1	0.30078655	0.35783145	0.31003875	0.0477927	0.23632343	0.89054584
Tnfrsf21	0.16001968	0.21707622	0.16939698	0.04767924	0.0948737	0.60275147
Vapb	1.17338337	0.9665745	0.91890254	0.04767196	0.40450542	0.89054584
Fam53c	0.19482352	0.25261874	0.20498156	0.04763717	0.13946511	0.74952855
Atad2	0.18148451	0.23903235	0.19140215	0.0476302	0.12315227	0.70193617
Rplp1	4.68974448	0.83837147	0.790745	0.04762648	0.38950574	0.89054584
Mapk6	0.29973002	0.3566366	0.30901746	0.04761914	0.23639834	0.89054584
Stxbp6	0.17866292	0.23613295	0.18852008	0.04761287	0.11966399	0.69257027
Zfand6	1.27996799	1.01058995	0.96297737	0.04761258	0.40890895	0.89054584
Enthd2	0.12509259	0.18067974	0.13319973	0.04748	0.04838554	0.38438004
Ptpn6	0.20236021	0.26007086	0.21262041	0.04745044	0.1492316	0.77797903
Tmem230	0.56068405	0.58996944	0.54260058	0.04736887	0.3421053	0.89054584
Ralgds	0.3036138	0.36013342	0.31276895	0.04736447	0.24023982	0.89054584
Isg20l2	0.27713647	0.33439745	0.2870454	0.04735205	0.22107851	0.89054584
Ren1	0.01953079	0.06823598	0.02090075	0.04733524	2.50E-26	4.32E-24
Clec12a	0.01841902	0.06704077	0.01971107	0.04732971	2.36E-29	4.57E-27
Usp35	0.09391188	0.14770637	0.10041373	0.04729264	0.01410844	0.15414028
4930515G01	0.02341748	0.07227544	0.02505971	0.04721573	8.32E-19	9.35E-17
Efcab1	0.7335948	0.72097942	0.67376622	0.04721321	0.3720349	0.89054584
Tlk2	0.35048439	0.40459472	0.35744119	0.04715353	0.26940747	0.89054584

Mras	0.11969146	0.17470673	0.12756078	0.04714595	0.04254147	0.35075781
Cacybp	1.98086307	1.16359201	1.11644747	0.04714453	0.4220177	0.89054584
Oser1	0.87262833	0.81108238	0.76393947	0.04714291	0.38686303	0.89054584
Necab2	0.26227458	0.31959782	0.27245808	0.04713974	0.2101002	0.89054584
Sult1d1	0.07599919	0.12842685	0.08128713	0.04713972	0.00344831	0.04830302
Mirg	0.2523174	0.30972701	0.2626267	0.04710031	0.20170425	0.89054584
Gba2	0.15221653	0.20843764	0.16135104	0.0470866	0.08697744	0.57045578
Ccdc167	0.36667816	0.41965863	0.37260825	0.04705037	0.27816593	0.89054584
Fgfr3	0.11619616	0.17094173	0.12390571	0.04703602	0.03848141	0.32813014
Gm5218	0.02328372	0.07195003	0.02491658	0.04703345	7.19E-19	8.15E-17
Pcbp3	0.25219961	0.30954269	0.26251013	0.04703256	0.20193825	0.89054584
Cfap126	0.16635134	0.22289353	0.17590761	0.04698592	0.10667075	0.64653533
Adam10	0.49132582	0.53138398	0.48442825	0.04695573	0.32578142	0.89054584
Ipo11	0.13665994	0.19216172	0.14524008	0.04692164	0.06614536	0.47662791
Npc2	1.97377488	1.16284838	1.11593462	0.04691377	0.42235934	0.89054584
Ncoa7	0.37919781	0.43113895	0.38423798	0.04690097	0.2847863	0.89054584
Smco4	0.31889864	0.37435214	0.32746053	0.04689161	0.25233821	0.89054584
Ccne2	0.13442036	0.1897958	0.14291291	0.04688289	0.06320963	0.46236792
Rpp38	0.20288666	0.25997657	0.21315307	0.04682349	0.15305157	0.78825634
Grpel1	1.41373136	1.05685241	1.01003328	0.04681914	0.41450915	0.89054584
Eef1g	3.76780625	1.04965977	1.00285333	0.04680643	0.41392963	0.89054584
Zfp101	0.14970351	0.205551	0.15875493	0.04679608	0.08482756	0.56182274
Gm7334	0.29395788	0.35022088	0.30342788	0.046793	0.23623175	0.89054584
Rap2c	0.11296468	0.16731363	0.12052248	0.04679114	0.03524355	0.30651529
Klf4	0.25000115	0.30711269	0.26033322	0.04677947	0.20124891	0.89054584
Ugcg	0.19273498	0.249616	0.20286039	0.04675561	0.14145598	0.75816224
Ccdc173	0.14595966	0.20159497	0.15488265	0.04671232	0.07999159	0.54094194
Ssh1	0.1671883	0.223466	0.176767	0.046699	0.10919558	0.65377127
Ipo4	0.36219765	0.41510444	0.36842532	0.04667912	0.27750042	0.89054584
Aldh9a1	0.47473327	0.51665542	0.47006888	0.04658655	0.32213818	0.89054584

Agfg1	0.44439307	0.48995879	0.44338338	0.04657541	0.31227904	0.89054584
Cntrl	0.23040362	0.28738632	0.24082849	0.04655783	0.18387839	0.86722786
Pycard	0.3284169	0.38310024	0.33654937	0.04655087	0.25965289	0.89054584
Rrp7a	0.61767569	0.63461359	0.58807735	0.04653624	0.35618487	0.89054584
Kiz	0.44371384	0.48920705	0.44277966	0.04642739	0.31259416	0.89054584
Inpp5a	0.15484549	0.21048317	0.1640645	0.04641867	0.09372648	0.5972952
Sun2	0.09580848	0.14884206	0.10243766	0.04640439	0.01740738	0.18261378
Prss8	0.14402461	0.19927239	0.15287905	0.04639334	0.07870703	0.53648072
Dio3	0.06124896	0.11172973	0.0655242	0.04620553	0.00050931	0.00916124
Smo	0.38102411	0.43206689	0.38592719	0.0461397	0.28876308	0.89054584
Gbp7	0.05344599	0.10330382	0.05718167	0.04612216	8.57E-05	0.00182424
Trappc6a	0.77997109	0.75148855	0.70539886	0.04608969	0.38040847	0.89054584
Gm43796	0.04900979	0.09842194	0.05243772	0.04598422	2.20E-05	0.00054299
Nup62cl	0.02903578	0.0770504	0.0310712	0.0459792	2.71E-12	1.71E-10
Stra13	1.00108035	0.88102307	0.83507163	0.04595144	0.39883361	0.89054584
Podxl	0.07953062	0.1309974	0.08505939	0.04593801	0.00593217	0.07537653
lpo13	0.21158371	0.26786762	0.22193632	0.0459313	0.16747257	0.82808684
Jade3	0.25580573	0.31198981	0.26607598	0.04591383	0.21071506	0.89054584
Yipf2	0.40619019	0.45491649	0.40901757	0.04589891	0.30055166	0.89054584
Desi1	0.76505389	0.74128001	0.69539248	0.04588753	0.37925652	0.89054584
Gm27029	0.05256669	0.10207709	0.05624143	0.04583566	7.32E-05	0.00158328
Tenm4	0.40331716	0.45216213	0.40639948	0.04576266	0.29992348	0.89054584
Panx1	0.14724299	0.20195465	0.15621063	0.04574402	0.08623606	0.56777946
Dgkq	0.09319687	0.14531892	0.09965066	0.04566826	0.01637576	0.17380369
Ublcp1	0.26413844	0.31982611	0.27429335	0.04553276	0.21964719	0.89054584
Alox5ap	0.08633868	0.13785149	0.09232971	0.04552178	0.01080878	0.12496469
Inpp1	0.33167215	0.38507231	0.3396469	0.04542542	0.26660905	0.89054584
Cd48	0.03608193	0.0840334	0.03860968	0.04542372	2.11E-08	8.30E-07
Lgals9	0.17547286	0.23066685	0.18525808	0.04540876	0.12673595	0.71241644
Cxx1b	0.57993171	0.60358701	0.55819853	0.04538848	0.3524071	0.89054584

Kcnu1	0.06477874	0.11467351	0.06929724	0.04537627	0.00114153	0.01857448
BC005537	0.65126915	0.65921146	0.61386498	0.04534648	0.36536371	0.89054584
Bivm	0.101321	0.15363019	0.10830013	0.04533006	0.02558541	0.24008888
Tmem204	0.11678166	0.16984404	0.12451829	0.04532575	0.04495285	0.36388968
Pnrc1	1.35430455	1.03550417	0.99019638	0.04530779	0.41559475	0.89054584
Plppr1	0.24704482	0.30270662	0.25740228	0.04530434	0.20610764	0.89054584
Gm26782	0.10134924	0.15362572	0.10832984	0.04529587	0.02570511	0.24074467
Xlr	0.02362203	0.07055133	0.02527858	0.04527275	3.59E-17	3.64E-15
Btbd9	0.5379579	0.56913644	0.52387487	0.04526158	0.34365005	0.89054584
Tac2	0.0262967	0.07339234	0.02814049	0.04525185	3.39E-14	2.56E-12
Stc2	0.07732798	0.12794755	0.08270662	0.04524094	0.00540992	0.069967
2210010C04I	0.02208675	0.06885056	0.02363578	0.04521478	2.50E-19	2.89E-17
Hspb1	0.37517262	0.42569122	0.38050837	0.04518285	0.29005694	0.89054584
Dnaja4	0.3002024	0.35464708	0.30947415	0.04517292	0.2482363	0.89054584
Birc6	0.78279828	0.7524481	0.70727711	0.04517099	0.38302404	0.89054584
Ppox	0.15740963	0.21186391	0.16670843	0.04515548	0.10348445	0.63276555
Rufy3	0.49279663	0.53082949	0.48569286	0.04513663	0.33251942	0.89054584
Snx15	0.66995703	0.67299624	0.62787732	0.04511892	0.36889213	0.89054584
Acot11	0.05260378	0.10138839	0.05628108	0.04510731	9.42E-05	0.0019744
Uba5	0.8509799	0.79592519	0.75082139	0.0451038	0.38978681	0.89054584
Farsb	0.66431648	0.66876826	0.62367348	0.04509478	0.36810925	0.89054584
Igf2os	0.03528525	0.08283516	0.03775738	0.04507779	1.33E-08	5.36E-07
Incenp	0.15946465	0.21389528	0.16882548	0.0450698	0.10679485	0.64658138
Hcst	0.03587779	0.08343507	0.03839128	0.04504379	2.30E-08	9.01E-07
Gpi1	1.32152848	1.02354252	0.97853294	0.04500958	0.41515761	0.89054584
Atp8b2	0.09432763	0.14586242	0.10085742	0.04500501	0.01881182	0.19301749
Coa3	2.07701247	1.16721502	1.12221472	0.0450003	0.42590033	0.89054584
Yae1d1	0.47572441	0.51589041	0.47093139	0.04495902	0.32823895	0.89054584
Dkk2	0.08037392	0.13089704	0.08596009	0.04493695	0.00743495	0.09173777
H2-M3	0.06145633	0.11064038	0.06574587	0.0448945	0.00073294	0.01266533

Upf3b	0.75841533	0.73577948	0.69088758	0.0448919	0.38104985	0.89054584
Ino80dos	0.06377219	0.11310903	0.06822138	0.04488765	0.00108673	0.01778261
Bhlhe40	0.06979538	0.11948364	0.07465866	0.04482499	0.00257719	0.03755186
Sqrdl	0.15555201	0.20961756	0.16479327	0.04482429	0.10253353	0.6298723
Gabarap	3.04644618	1.13553729	1.09072344	0.04481385	0.42409871	0.89054584
Msi1	0.28221122	0.33679948	0.29200178	0.0447977	0.2373801	0.89054584
Phf8	0.27937715	0.33403305	0.28923537	0.04479768	0.23527286	0.89054584
1600002H07	0.09887353	0.15049538	0.10570796	0.04478742	0.02419386	0.23046158
Gm17501	0.03443919	0.08163759	0.03685225	0.04478534	7.49E-09	3.10E-07
Med18	0.18042644	0.23505691	0.19032178	0.04473513	0.13673993	0.74138199
Tln1	0.75397088	0.73257536	0.68785441	0.04472095	0.38098237	0.89054584
2300009A05	0.56157187	0.58803867	0.54332536	0.04471332	0.35070766	0.89054584
Cela3a	0.02295169	0.06924711	0.0245613	0.04468581	1.16E-17	1.24E-15
Pfas	0.16024477	0.21430769	0.16962871	0.04467898	0.10988656	0.65615128
Zfp747	0.11595878	0.16828432	0.12365732	0.04462699	0.04634488	0.37224823
Wwtr1	0.20598584	0.26091131	0.21628656	0.04462475	0.16821481	0.82993631
Nudt18	0.22321359	0.27825242	0.23362964	0.04462278	0.18677369	0.87419127
Nsun2	0.68462182	0.68329884	0.63870341	0.04459543	0.37247862	0.89054584
Nsl1	0.04131831	0.08878628	0.04421122	0.04457506	1.32E-06	4.03E-05
Rapgef4	0.33525964	0.38762661	0.3430541	0.04457251	0.27248008	0.89054584
Jarid2	0.56211432	0.58832055	0.54376793	0.04455262	0.35133389	0.89054584
Cdkn2d	0.45457081	0.49694186	0.45239656	0.0445453	0.32320922	0.89054584
Srl	0.08057201	0.13069556	0.08617166	0.0445239	0.00803723	0.09759104
Aasdhpt	0.49547862	0.53251512	0.48799572	0.0445194	0.33540706	0.89054584
Sec61a1	0.96885464	0.86269894	0.81821377	0.04448518	0.40001806	0.89054584
Adamts15	0.110452	0.16236448	0.11788913	0.04447535	0.03940341	0.33407636
Gabarapl1	0.45755712	0.49949696	0.45502935	0.04446761	0.32444898	0.89054584
Foxp1	0.88402569	0.81514299	0.77070884	0.04443415	0.39411692	0.89054584
Ppl	0.09666492	0.14777668	0.10335152	0.04442516	0.02260885	0.22034316
Acap2	0.24964494	0.30434295	0.25998028	0.04436267	0.21330817	0.89054584

Tril	0.1235601	0.17593943	0.13160088	0.04433855	0.05824528	0.4366288
Kcnh2	0.24377988	0.29849491	0.25416063	0.04433428	0.2082013	0.89054584
Ccne1	0.17751802	0.23162854	0.18734985	0.04427869	0.13542553	0.73756551
Plcb1	0.17078624	0.22467997	0.18045811	0.04422187	0.12679161	0.71241644
Pdgfc	0.0506792	0.09842423	0.05422302	0.04420121	7.30E-05	0.00158192
Serpine1	0.04889718	0.09650798	0.0523173	0.04419068	4.16E-05	0.00095477
Nkiras1	0.4216761	0.46723199	0.4230492	0.04418279	0.31327988	0.89054584
Disp2	0.32853494	0.3808288	0.3366618	0.044167	0.27052987	0.89054584
Arhgap30	0.03769238	0.0844942	0.04033251	0.04416169	1.69E-07	5.84E-06
Pacsin1	0.15793144	0.21137251	0.16724615	0.04412636	0.10949489	0.65489146
2810408A11	0.0617705	0.11019973	0.06608171	0.04411802	0.00093404	0.0155652
Cbx5	0.83699315	0.78625987	0.74216407	0.0440958	0.39096232	0.89054584
Pir	0.12034519	0.17231918	0.12824387	0.04407531	0.05466615	0.41779117
Ttc39b	0.1829541	0.23696928	0.19290191	0.04406737	0.1435943	0.76537874
Tox3	0.61654355	0.63124987	0.58719499	0.04405488	0.36334137	0.89054584
Dsc2	0.05946939	0.10767511	0.06362178	0.04405333	0.00062774	0.01107166
Rffl	0.09821982	0.14898807	0.10501053	0.04397754	0.02552104	0.23963991
5330417C22l	0.32480089	0.37707165	0.33310206	0.04396959	0.26928333	0.89054584
Kbtbd3	0.19861301	0.25278168	0.20882549	0.04395619	0.16337727	0.81705542
Entpd5	0.14848355	0.20144061	0.15749373	0.04394688	0.09679603	0.61121462
Rita1	0.21892241	0.27325624	0.22932208	0.04393416	0.18604298	0.87233221
Taf6l	1.09031568	0.92439157	0.88046518	0.04392639	0.40810029	0.89054584
1810055G02	0.17756118	0.23125498	0.18739397	0.04386101	0.13775503	0.7438695
Bcam	0.32319298	0.37537294	0.33156698	0.04380596	0.26910241	0.89054584
Hist3h2a	0.75895643	0.73505106	0.69125592	0.04379515	0.38393145	0.89054584
Ift81	0.54369372	0.57238876	0.52863183	0.04375693	0.34988208	0.89054584
Slc16a10	0.2529508	0.30695039	0.26325344	0.04369695	0.21966384	0.89054584
Mcam	0.10034496	0.15096263	0.10727335	0.04368928	0.02888429	0.26205532
Zc3h15	1.37414929	1.04058202	0.99694325	0.04363877	0.41920259	0.89054584
Mmp16	0.14794698	0.20055573	0.15693883	0.0436169	0.09769004	0.61445131

Rpa1	0.36940133	0.41875722	0.37514523	0.04361199	0.29404059	0.89054584
Gmpr2	0.3267868	0.37858937	0.33499617	0.0435932	0.27216774	0.89054584
Mylpf	0.12325268	0.17487076	0.13128004	0.04359072	0.06093494	0.45165379
Fcho1	0.06000367	0.10777609	0.06419296	0.04358313	0.00078039	0.01332637
Ano1	0.14330719	0.19570887	0.15213584	0.04357303	0.09104274	0.58666938
Arel1	0.11875444	0.17015253	0.12658137	0.04357116	0.05439279	0.41614069
3110002H16	0.18738525	0.24095079	0.19741854	0.04353225	0.15213231	0.78519553
D1Ertd622e	0.26193582	0.31564861	0.27212434	0.04352427	0.22808655	0.89054584
Gcdh	0.4532258	0.49471405	0.45120901	0.04350504	0.32664022	0.89054584
Pbk	0.111143	0.16241916	0.11891438	0.04350478	0.04414649	0.36077541
Dnaaf5	0.1936021	0.24712079	0.20374128	0.04337951	0.16060927	0.80963603
Xrcc1	0.58778251	0.60785565	0.56449135	0.04336429	0.36020892	0.89054584
Atp6v1g1	2.30922234	1.17253237	1.12920357	0.04332879	0.42905964	0.89054584
Papd4	0.22335696	0.27709826	0.23377341	0.04332485	0.19394942	0.88899106
Rnase6	0.02811013	0.07339826	0.0300808	0.04331746	9.80E-12	5.82E-10
Tex9	0.22384548	0.27752795	0.23426324	0.04326471	0.19477532	0.88999075
Abca5	0.1804998	0.23361746	0.19039671	0.04322075	0.14511966	0.76747222
Ccdc32	0.33649533	0.38742242	0.34422618	0.04319624	0.27939456	0.89054584
Pfkfb2	0.09880708	0.14880534	0.10563707	0.04316828	0.02846404	0.25931659
Zswim7	0.22618165	0.2797565	0.23660418	0.04315232	0.19774416	0.89054584
Fam81a	0.1444525	0.19645596	0.15332223	0.04313373	0.09498168	0.6029091
Insig1	0.14794379	0.20005618	0.15693554	0.04312064	0.10025122	0.62272587
Fermt3	0.0386946	0.08445786	0.04140462	0.04305323	6.35E-07	2.06E-05
Cldn15	0.04487764	0.09105829	0.04801836	0.04303993	1.48E-05	0.00037679
Atg4a	0.14519267	0.19710307	0.15408867	0.0430144	0.09670454	0.61116934
Mob4	1.39377041	1.04655462	1.00355092	0.0430037	0.42087998	0.89054584
Asun	0.25656107	0.3097985	0.26682211	0.04297639	0.22650558	0.89054584
Cyp51	0.35249936	0.40230982	0.35933602	0.0429738	0.28870456	0.89054584
Dus1l	0.29808131	0.35036924	0.3074226	0.04294664	0.2575718	0.89054584
Inadl	0.20714696	0.26037835	0.21745957	0.04291878	0.17891462	0.85325796

Trpt1	0.09041883	0.1395676	0.09668554	0.04288206	0.01939828	0.19735881
Aqr	0.32167992	0.37299371	0.33012121	0.04287251	0.27257222	0.89054584
Sncaip	0.11236028	0.16272047	0.11988927	0.0428312	0.04801264	0.38170821
Aoc3	0.0562901	0.10301853	0.06022271	0.04279582	0.00046521	0.00845186
Pacsin2	0.33905869	0.38944705	0.34665549	0.04279156	0.28261009	0.89054584
Kat8	0.28226792	0.33484165	0.29205709	0.04278455	0.24745953	0.89054584
Ccdc109b	0.03185262	0.07685471	0.03408498	0.04276973	2.52E-09	1.12E-07
Eri1	0.33746578	0.38788536	0.34514628	0.04273907	0.28199965	0.89054584
Gpr183	0.06498925	0.11223883	0.06952224	0.04271659	0.00210093	0.03149874
Casp9	0.13236856	0.18348772	0.14077916	0.04270855	0.07876972	0.53665574
Klhl21	0.07232893	0.12006684	0.07736586	0.04270098	0.00506389	0.06656052
Wars2	0.1980923	0.25095814	0.20829767	0.04266046	0.16999734	0.83373276
Umad1	0.16976139	0.222044	0.17940726	0.04263674	0.13410088	0.73282872
Ptprz1	0.09139752	0.14036025	0.0977302	0.04263005	0.02106484	0.20845964
Mob3c	0.24961478	0.30255689	0.2599504	0.0426065	0.22254934	0.89054584
Cfh	0.03372488	0.0786887	0.03608805	0.04260065	1.90E-08	7.49E-07
Crat	0.17850576	0.23094886	0.18835948	0.04258938	0.14607453	0.77066541
Ankrd46	0.40724336	0.45255884	0.40997611	0.04258273	0.31422585	0.89054584
4930503L19F	0.07792447	0.12589946	0.08334379	0.04255567	0.00868281	0.10429449
Fam167b	0.03824251	0.08346816	0.04092101	0.04254715	6.36E-07	2.06E-05
Clstn1	0.2125208	0.26541879	0.22288075	0.04253804	0.18695183	0.87419127
Jag1	0.17349896	0.22573123	0.18323755	0.04249368	0.13997512	0.75161454
Kcnk3	0.20308191	0.25581765	0.2133506	0.04246705	0.17687142	0.84817993
Heg1	0.27508075	0.32747158	0.28503404	0.04243754	0.24395072	0.89054584
Adam15	0.21662214	0.26943646	0.22700964	0.04242682	0.19195084	0.88486593
Ropn1l	0.18972596	0.24221911	0.19980105	0.04241806	0.16130709	0.81174254
Chchd2	4.11663347	0.97862139	0.9362365	0.04238489	0.41647581	0.89054584
Supt7l	0.24574155	0.29844991	0.2561089	0.04234101	0.22057998	0.89054584
Prss50	0.1765143	0.22865679	0.18632348	0.04233332	0.14490763	0.76730125
Vat1l	0.34874512	0.39807469	0.35580385	0.04227083	0.28996064	0.89054584

Ube2v2	1.1903709	0.96858411	0.92633085	0.04225326	0.41585422	0.89054584
Tceal5	0.06737765	0.11430984	0.07207491	0.04223494	0.00316597	0.04507926
Ntf3	0.05325953	0.09919719	0.05698229	0.0422149	0.0002787	0.00532351
Flnc	0.13396983	0.18463673	0.14244452	0.04219221	0.08379595	0.55825208
C330013E15I	0.04411323	0.0893895	0.04720076	0.04218875	1.56E-05	0.00039515
Ckap2	0.11446117	0.16426075	0.12208973	0.04217102	0.05378138	0.41342654
Upb1	0.19845189	0.25082573	0.20866218	0.04216355	0.17324636	0.83835974
Vdac1	1.6689722	1.11765403	1.07551193	0.0421421	0.42757452	0.89054584
Nop10	1.64926355	1.1136121	1.0715263	0.04208579	0.42740416	0.89054584
1700064H15I	0.02721525	0.07117677	0.02912332	0.04205345	8.64E-12	5.15E-10
Rpusd1	0.28928527	0.340925	0.29889085	0.04203415	0.25616805	0.89054584
Plp2	0.75696231	0.73191776	0.68989751	0.04202025	0.38829463	0.89054584
Gne	0.18980129	0.24186401	0.19987769	0.04198632	0.16387466	0.81785018
Chmp2a	1.81470649	1.14173659	1.09977811	0.04195848	0.4294609	0.89054584
H2-DMa	0.07955882	0.12700211	0.08508951	0.04191261	0.01087062	0.12527997
Ccl6	0.02210001	0.06555801	0.02364997	0.04190804	7.55E-17	7.35E-15
Kazald1	0.05855312	0.10452891	0.06264221	0.0418867	0.00091887	0.01536534
Rnf170	0.32894805	0.37894109	0.33705517	0.04188592	0.28130551	0.89054584
Amer1	0.3833471	0.42993181	0.38807311	0.0418587	0.30764844	0.89054584
Gm9830	0.02208889	0.06549137	0.02363806	0.0418533	7.98E-17	7.66E-15
Mrpl12	1.09260414	0.92343052	0.8815828	0.04184772	0.41248604	0.89054584
Bub1	0.08073976	0.12819143	0.08635082	0.0418406	0.01198989	0.13582249
A330069E16I	0.05553882	0.10124829	0.05941944	0.04182885	0.00051958	0.00933442
Rtkn2	0.03999821	0.08462425	0.04279913	0.04182512	2.65E-06	7.67E-05
Rpl5	3.40701719	1.0890346	1.04721674	0.04181786	0.42620567	0.89054584
Ehf	0.13098805	0.18112753	0.1393426	0.04178493	0.08119395	0.54674867
Gm26523	0.09776588	0.14629711	0.10452622	0.04177089	0.03131485	0.27818792
Nacc2	0.17205566	0.22350503	0.18175914	0.0417459	0.14229799	0.76183025
Sgf29	0.28601222	0.33745098	0.2957063	0.04174468	0.25536549	0.89054584
Elp5	0.52682905	0.55628078	0.51458461	0.04169617	0.35289791	0.89054584

Hspa4l	0.57263203	0.59397608	0.55231081	0.04166527	0.36262102	0.89054584
Llg1	0.18308968	0.23469985	0.19304023	0.04165963	0.15734328	0.80068898
Tnfaip8l1	0.10623858	0.15512144	0.11346816	0.04165329	0.04360878	0.3573997
Sec23b	0.74600392	0.72400824	0.68238156	0.04162668	0.38812665	0.89054584
Hdlbp	1.23410995	0.98635287	0.94472622	0.04162665	0.41867556	0.89054584
Brap	0.31925641	0.36938459	0.32780302	0.04158157	0.27726583	0.89054584
Cbwd1	0.19147388	0.24314436	0.20157867	0.04156568	0.1683572	0.82993631
Fam214b	0.12983939	0.17969745	0.13814676	0.04155069	0.08056526	0.54416367
Pomt1	0.09641739	0.14463194	0.1030874	0.04154453	0.03022019	0.27028518
Tspan9	0.27736189	0.32877746	0.28726582	0.04151164	0.25039571	0.89054584
Zbtb44	0.2790851	0.33045455	0.28895007	0.04150448	0.25168225	0.89054584
Polrmt	0.1277141	0.17742212	0.13593283	0.04148929	0.07751348	0.53084105
Mre11a	0.19249896	0.24410874	0.20262056	0.04148818	0.17005308	0.83373276
Magel2	0.05818101	0.10369177	0.06224439	0.04144739	0.00096011	0.01590815
Adam17	0.19392748	0.24548164	0.20407175	0.04140989	0.17223133	0.83696674
Scnn1b	0.07431104	0.12089285	0.07948361	0.04140924	0.00760778	0.09337756
Rprm	0.12414814	0.17361366	0.13221449	0.04139918	0.07230817	0.50878997
Bola3	0.95134042	0.85020641	0.80880947	0.04139694	0.40576351	0.89054584
Snrnp48	0.53173342	0.56006505	0.51868856	0.04137649	0.3550767	0.89054584
Noct	0.43709214	0.47823462	0.43688098	0.04135364	0.32960677	0.89054584
Nefl	0.07425241	0.12068704	0.07942097	0.04126607	0.00774483	0.09467498
1110017D15	0.10278535	0.15105022	0.10983997	0.04121025	0.04023529	0.33777651
Tspan17	0.28227159	0.33324328	0.29206067	0.04118261	0.25560864	0.89054584
Mxd3	0.08098609	0.1277905	0.08661391	0.04117659	0.01338418	0.14835161
Col13a1	0.0899134	0.1373179	0.09614602	0.04117188	0.02301802	0.22262525
Mettl7a1	0.15858136	0.20906999	0.16791574	0.04115425	0.1267574	0.71241644
Flrt3	0.1631874	0.21379273	0.17265626	0.04113647	0.13349461	0.73110935
Gm5422	0.04322793	0.08737753	0.04625383	0.0411237	1.72E-05	0.00043215
Tro	0.1910551	0.24224451	0.2011529	0.04109161	0.17061676	0.83412025
Pycr1	0.17385234	0.22464824	0.1835994	0.04104885	0.1487897	0.7767926

Tamm41	0.13846964	0.18816306	0.14711914	0.04104391	0.09683976	0.61122455
Foxn2	0.17091638	0.2216304	0.18059153	0.04103887	0.14486136	0.76730125
Jakmip1	0.20649103	0.25783471	0.21679699	0.04103772	0.18891664	0.87870177
Abcc9	0.10304292	0.15114668	0.11011075	0.04103594	0.04125642	0.3435586
Slc30a9	0.64495146	0.6501082	0.6090742	0.04103399	0.37680687	0.89054584
Irx1	0.09296013	0.14042915	0.09939799	0.04103115	0.02722778	0.25100767
Polh	0.03006502	0.07319241	0.03217242	0.04101999	1.42E-09	6.59E-08
Twist2	0.13925244	0.18892641	0.14793155	0.04099486	0.09833657	0.61558016
BC002059	0.10964619	0.15803327	0.11704414	0.04098913	0.05138481	0.40024739
Slc25a24	0.19990716	0.2511011	0.21013681	0.0409643	0.18188125	0.86130002
Bbx	0.92786778	0.83682394	0.79588186	0.04094208	0.40529414	0.89054584
Hist2h2be	0.07324371	0.11926343	0.07834328	0.04092015	0.00747781	0.09210987
Dnajb1	0.89913107	0.82044057	0.77953658	0.04090399	0.40343542	0.89054584
Ube2g2	0.61377292	0.62592505	0.58503195	0.0408931	0.37234272	0.89054584
Cxcl16	0.03950658	0.08316493	0.04227323	0.0408917	3.29E-06	9.41E-05
Cdkn2aip	0.34029937	0.38870745	0.34783005	0.0408774	0.29200931	0.89054584
Rad51ap1	0.13488465	0.18427084	0.14339551	0.04087533	0.09208155	0.59149236
Arf2	0.40715999	0.45075567	0.40990025	0.04085542	0.3211934	0.89054584
Slc30a5	0.60516337	0.61911611	0.57827718	0.04083893	0.37106937	0.89054584
Ugdh	0.55234144	0.57659883	0.53576477	0.04083406	0.36126194	0.89054584
Fgd2	0.52785425	0.55625407	0.51544377	0.0408103	0.35611154	0.89054584
Zfp946	0.16953513	0.21993331	0.17917521	0.0407581	0.14461818	0.76727455
Adam9	0.170063	0.22047119	0.17971657	0.04075462	0.14536632	0.76804699
Hspb7	0.02722267	0.06984833	0.02913126	0.04071708	3.71E-11	2.06E-09
Wdr48	0.20568861	0.25660457	0.21598619	0.04061838	0.19047129	0.88259328
Samsn1	0.03290745	0.07581966	0.03521351	0.04060614	3.88E-08	1.47E-06
Coro1c	0.40084824	0.4446931	0.40414586	0.04054724	0.32009852	0.89054584
Grasp	0.26597192	0.31662488	0.27609707	0.04052781	0.24702616	0.89054584
Rps6kc1	0.10682705	0.15459681	0.11408601	0.04051079	0.04902891	0.3882147
Acid	0.48098513	0.51600759	0.47549929	0.0405083	0.34572052	0.89054584

Aurka	0.11238197	0.16039841	0.119912	0.04048641	0.05785726	0.43561417
Bub3	1.10689715	0.92893921	0.88848207	0.04045714	0.41599677	0.89054584
Myh10	0.46451017	0.50158926	0.46113836	0.04045089	0.34138701	0.89054584
Mtus2	0.1287176	0.17739103	0.1369784	0.04041263	0.08463954	0.56160366
Fam219a	0.24589975	0.29664309	0.25626594	0.04037715	0.23145586	0.89054584
Sumf1	0.38054891	0.42586206	0.38548784	0.04037422	0.31279049	0.89054584
Pla2g1b	0.13496656	0.18383475	0.14348065	0.04035411	0.09504163	0.6030256
Nexn	0.05436473	0.09851121	0.05816406	0.04034715	0.00061505	0.01091435
Gm12355	0.08259921	0.12866699	0.08833667	0.04033032	0.01670793	0.17694052
Hsf2	0.29979283	0.34940774	0.30907819	0.04032955	0.27162221	0.89054584
Sfxn5	0.07940515	0.1252523	0.08492537	0.04032693	0.01347281	0.14876532
Rab24	0.93689013	0.84121097	0.80089346	0.04031751	0.40728514	0.89054584
Pomk	0.08416952	0.13029507	0.09001357	0.0402815	0.01853926	0.19116794
Svil	0.56043604	0.58265591	0.54239802	0.04025788	0.36474798	0.89054584
Hddc3	0.34898135	0.39628279	0.35602634	0.04025645	0.29916843	0.89054584
Proser2	0.23779898	0.28843992	0.24820958	0.04023034	0.22508513	0.89054584
Fam13a	0.08303273	0.12900843	0.08879963	0.0402088	0.01744702	0.18264153
Azi2	0.557086	0.57984971	0.53965799	0.04019173	0.36430292	0.89054584
Dennd6b	0.11874351	0.16675712	0.12656995	0.04018717	0.06953564	0.49563803
Ackr3	0.09053113	0.13695022	0.09680541	0.04014481	0.02667703	0.2476079
Acox1	0.32378949	0.37227832	0.33213662	0.04014169	0.28669194	0.89054584
Cap2	0.02570341	0.06763678	0.02750567	0.04013111	5.32E-12	3.26E-10
H2-Oa	0.03365542	0.07614083	0.03601374	0.04012709	1.05E-07	3.74E-06
Epm2a	0.06887169	0.11378484	0.07367157	0.04011327	0.00559455	0.0719697
Spata5	0.17583085	0.22571966	0.18562435	0.0400953	0.15712546	0.80068898
Elof1	1.76257052	1.1322866	1.09219321	0.0400934	0.4321019	0.89054584
Zfp707	0.13592027	0.18453511	0.14447169	0.04006342	0.09818374	0.61534939
Klhl17	0.05549997	0.09943918	0.0593779	0.04006128	0.00083525	0.01416302
Tns1	0.24415514	0.29458729	0.25453347	0.04005382	0.23173686	0.89054584
Ccrl2	0.04216728	0.08516693	0.04511933	0.0400476	1.77E-05	0.00044316

Actr3	1.64544203	1.11077716	1.07073179	0.04004537	0.4308367	0.89054584
Utp18	0.44684441	0.48559616	0.44555991	0.04003625	0.3377418	0.89054584
Vegfa	0.57761717	0.59636902	0.55633546	0.04003355	0.36871656	0.89054584
Gm10282	0.19782258	0.24805246	0.20802421	0.04002824	0.18499863	0.86930035
Mios	0.1826004	0.23256907	0.19254103	0.04002803	0.16638147	0.82496531
Cep104	0.29278435	0.34230822	0.30228943	0.04001879	0.26869089	0.89054584
Gm16973	0.06338929	0.10782835	0.0678121	0.04001626	0.00298646	0.04282658
Hnrnpa2b1	3.12134999	1.12346494	1.08347759	0.03998735	0.43174033	0.89054584
Ppp1r16a	0.32521903	0.37347895	0.33350105	0.0399779	0.28825729	0.89054584
Oip5	0.07227933	0.11728093	0.07731287	0.03996806	0.00800889	0.09732843
Asf1b	0.12109447	0.16895355	0.12902662	0.03992693	0.07469401	0.51900827
Tut1	0.13240552	0.18071872	0.14081762	0.03990111	0.09339658	0.59664859
Gosr2	0.50986561	0.54016308	0.50027409	0.03988899	0.35514102	0.89054584
1700026L06F	0.09843782	0.14509987	0.10524311	0.03985675	0.03883287	0.33001109
Gipc1	0.96915486	0.85821704	0.81837301	0.03984402	0.41027825	0.89054584
Scn8a	0.12442351	0.17233513	0.13250178	0.03983335	0.08066774	0.54446969
Prim1	0.27617316	0.32593139	0.28610313	0.03982826	0.25830861	0.89054584
Itgb7	0.03632405	0.07868053	0.0388687	0.03981182	9.12E-07	2.86E-05
Coa6	0.66655202	0.66508577	0.62534226	0.03974351	0.38357758	0.89054584
Zfp316	0.06702481	0.11141526	0.07169782	0.03971745	0.00492788	0.06524606
Myh14	0.12807842	0.17602121	0.13631247	0.03970874	0.08736184	0.57104236
A130010J15F	0.23751628	0.28761121	0.24792788	0.03968333	0.22792131	0.89054584
Fam195a	0.15984672	0.20889664	0.16921889	0.03967774	0.13732664	0.74234216
Camk1d	0.06299187	0.10704769	0.06738729	0.0396604	0.00305338	0.04358243
Rnf123	0.12126843	0.16884391	0.12920832	0.03963559	0.07647851	0.52623897
Pard6g	0.30461503	0.35335983	0.31373484	0.03962499	0.27812236	0.89054584
Socs1	0.15901166	0.20798288	0.16835896	0.03962392	0.13643014	0.73997914
Inpp5e	0.12047332	0.16797691	0.12837774	0.03959917	0.07534638	0.52216624
H6pd	0.11439363	0.16161043	0.12201902	0.03959141	0.06530728	0.47362135
AU021092	0.05965998	0.10341028	0.06382554	0.03958475	0.00192936	0.02919817

Ufm1	1.39168612	1.04244165	1.0028596	0.03958205	0.42705199	0.89054584
Mrpl37	0.36679278	0.41225125	0.37271512	0.03953613	0.31058183	0.89054584
Cd3g	0.01903054	0.05989232	0.02036544	0.03952688	7.66E-20	9.49E-18
Zfp719	0.14799432	0.1964968	0.1569878	0.039509	0.12049575	0.69516408
Esyt1	0.31032423	0.35873151	0.31923281	0.0394987	0.28215516	0.89054584
Ecm1	0.05932124	0.10286684	0.0634634	0.03940344	0.00190994	0.02894551
Syne4	0.15942465	0.20818166	0.16878429	0.03939736	0.13841178	0.74639314
Zfp119b	0.07400618	0.11848154	0.07915791	0.03932363	0.01032171	0.12043522
Hoxc4	0.10042516	0.14662673	0.10735773	0.039269	0.04417801	0.36077541
Srebf1	0.30660315	0.35489742	0.31565127	0.03924615	0.28120543	0.89054584
Ppm1m	0.19094982	0.24028914	0.20104585	0.03924329	0.18156809	0.86081561
Pon3	0.16810366	0.21692018	0.17770657	0.03921361	0.15195966	0.78458375
Ttpal	0.12072771	0.16785419	0.1286435	0.03921069	0.07779643	0.53202481
Wdr36	0.20151163	0.25096336	0.21176155	0.03920181	0.19421325	0.889076
Prrc1	0.38131769	0.42539579	0.38619856	0.03919723	0.31815678	0.89054584
Nob1	0.55054335	0.57347734	0.53428548	0.03919186	0.36626915	0.89054584
Nkrf	0.05564609	0.09872222	0.05953413	0.03918809	0.00108208	0.01772651
Nrm	0.21213228	0.26167715	0.22248923	0.03918792	0.20593766	0.89054584
Mmgt2	0.31019148	0.35828023	0.31910514	0.0391751	0.2836755	0.89054584
Chn2	0.03532032	0.07694094	0.03779491	0.03914604	6.98E-07	2.24E-05
Agtppb1	0.15666326	0.20506265	0.1659391	0.03912354	0.13600602	0.73850761
Pde2a	0.06044859	0.10372602	0.06466859	0.03905743	0.00244777	0.03588252
Ugt2b34	0.10956263	0.15593914	0.1169565	0.03898264	0.06022749	0.44755418
Wdr86	0.14415984	0.1919791	0.15301912	0.03895999	0.11777036	0.68682008
Pkp4	0.40729272	0.44896418	0.41002102	0.03894316	0.32906408	0.89054584
Maml3	0.4258345	0.4657049	0.42679401	0.0389109	0.33550706	0.89054584
Ssr1	1.55178903	1.0880974	1.04922693	0.03887047	0.43148342	0.89054584
Xlr4c	0.03307302	0.07419107	0.03539065	0.03880041	1.63E-07	5.67E-06
Ccdc77	0.20676086	0.25586654	0.21706958	0.03879696	0.2025084	0.89054584
Cdk2	0.1436862	0.19130747	0.1525285	0.03877897	0.11810899	0.68771984

Spock3	0.1342084	0.18143276	0.14269256	0.0387402	0.10295801	0.63115652
Gpr173	0.05296182	0.09536233	0.05666394	0.03869839	0.0007318	0.01266074
Tmem165	0.58848228	0.60371853	0.56505025	0.03866828	0.37492888	0.89054584
Thoc7	1.42905602	1.05344908	1.01485472	0.03859436	0.4296847	0.89054584
Sympk	0.45201226	0.4886629	0.45013661	0.03852629	0.34503892	0.89054584
Dnajb5	0.09549868	0.14061861	0.10210708	0.03851152	0.03944157	0.33420447
Hlx	0.08988982	0.13459006	0.09612085	0.03846922	0.03111956	0.27696218
Nudt11	0.12275133	0.16919127	0.13075673	0.03843453	0.08543001	0.56503846
Fbxo2	0.06468017	0.10761756	0.06919188	0.03842568	0.00483599	0.06414659
Ccbl2	0.12353455	0.16999723	0.13157422	0.038423	0.08683132	0.57045578
Rara	0.22845396	0.27723393	0.23887876	0.03835517	0.22721345	0.89054584
S100pbp	0.28035302	0.32835838	0.29018839	0.03816998	0.26999944	0.89054584
Ddit4l	0.0934218	0.13803886	0.09989072	0.03814814	0.03759988	0.32198646
Rltpr	0.08528314	0.12934663	0.09120268	0.03814394	0.0256763	0.24063027
Lims2	0.02504865	0.0649346	0.02680508	0.03812952	1.71E-11	9.92E-10
Spata24	0.20356641	0.2519495	0.21384068	0.03810882	0.20319139	0.89054584
Thbs4	0.03968142	0.08052507	0.04246026	0.03806481	1.48E-05	0.00037622
P3h4	0.59242898	0.60625202	0.56819632	0.0380557	0.37750555	0.89054584
Alg8	0.14918733	0.19624858	0.15822138	0.0380272	0.13141271	0.72635204
Gm11744	0.02136914	0.06089495	0.0228679	0.03802704	4.69E-15	3.84E-13
Rfng	0.17537792	0.22315243	0.18516094	0.03799148	0.1695549	0.83300813
Mtap	0.27184693	0.31985564	0.28186583	0.0379898	0.26502461	0.89054584
Zfp810	0.11441041	0.15999242	0.12203658	0.03795584	0.07366534	0.51519545
Rasa2	0.314249	0.36094618	0.32300359	0.03794259	0.29209437	0.89054584
Tmprss4	0.06265893	0.10495966	0.0670314	0.03792826	0.0041925	0.05670042
Mex3d	0.15011625	0.19709324	0.15918148	0.03791176	0.13358454	0.73110935
Rft1	0.16112397	0.20844217	0.17053365	0.03790852	0.15018217	0.77912292
Top1mt	0.08775769	0.13172147	0.09384471	0.03787675	0.03002682	0.26938665
Tmem100	0.08357461	0.12725043	0.08937829	0.03787214	0.02418368	0.23046158
Ror1	0.10212988	0.14697988	0.10915081	0.03782907	0.05319021	0.40975112

Eri3	0.76461257	0.73292107	0.69509399	0.03782708	0.39992548	0.89054584
Fyb	0.12971933	0.1758408	0.13802174	0.03781907	0.10087398	0.62338915
Rftn1	0.09441439	0.13876593	0.10095001	0.03781592	0.0404714	0.33955693
Gdpd5	0.11139378	0.15664739	0.11887642	0.03777097	0.06939664	0.49496101
Armc2	0.07837852	0.12159374	0.08382879	0.03776495	0.01791474	0.18605151
Ccnyl1	0.06634344	0.10872297	0.0709696	0.03775336	0.00659875	0.08233106
Spsb4	0.15788274	0.2049389	0.16719596	0.03774293	0.14646571	0.77188653
4930523C07I	0.14830371	0.19502377	0.15730776	0.03771602	0.1319918	0.72831857
Cdkn2aipnl	0.30839661	0.35508862	0.31737833	0.03771029	0.28993775	0.89054584
Gria2	0.16779217	0.21508993	0.17738687	0.03770306	0.16102737	0.81128869
Crk	0.56892902	0.58700452	0.54931142	0.0376931	0.37460127	0.89054584
Trim11	0.23274708	0.2808594	0.24317005	0.03768935	0.23511732	0.89054584
Obsl1	0.33423754	0.37970755	0.34208405	0.0376235	0.3041837	0.89054584
Pdap1	2.51865024	1.163762	1.12619645	0.03756555	0.43825132	0.89054584
Fermt2	0.72322409	0.70404548	0.66648281	0.03756267	0.39643877	0.89054584
Fbxl15	0.39711863	0.43825165	0.40073489	0.03751676	0.33135683	0.89054584
Wbp2	0.88602405	0.80939426	0.77188589	0.03750837	0.41044803	0.89054584
Ccl12	0.02038006	0.05928911	0.02180952	0.03747959	5.91E-16	5.22E-14
Medag	0.14482464	0.19116164	0.1537076	0.03745405	0.12813578	0.71651107
4930579G24	0.10766003	0.15240755	0.11496036	0.03744719	0.06455715	0.46985422
Pcdh19	0.09684443	0.14098386	0.10354306	0.0374408	0.04602744	0.3701086
Rhbdf1	0.17895712	0.22626096	0.18882074	0.03744022	0.17779633	0.85016198
Bicd2	0.21987685	0.2677072	0.23028087	0.03742633	0.22446713	0.89054584
Impact	0.25310412	0.30079249	0.26340512	0.03738736	0.25421519	0.89054584
Atp2a3	0.39842382	0.43930524	0.40192947	0.03737577	0.33242058	0.89054584
Gpn1	0.24925093	0.29691115	0.25958982	0.03732133	0.251487	0.89054584
Rpap2	0.1172036	0.16225711	0.12495967	0.03729744	0.0821762	0.5516435
Abi3	0.07909667	0.12189159	0.08459588	0.03729571	0.01998865	0.20124687
Ube2o	0.19414503	0.24156999	0.20429268	0.03727731	0.19762986	0.89054584
Wwp1	0.26186663	0.30932384	0.27205617	0.03726767	0.26166979	0.89054584

Scara3	0.19978176	0.2472061	0.21000978	0.03719632	0.20463527	0.89054584
Rab26os	0.18309595	0.23023358	0.19304662	0.03718696	0.18473642	0.8690805
Dnajb4	0.38761064	0.42914828	0.3920038	0.03714448	0.32944007	0.89054584
Abhd4	0.22877534	0.27631341	0.23920027	0.03711314	0.23488343	0.89054584
Ckap5	0.41625062	0.45526093	0.41814818	0.03711275	0.33961854	0.89054584
Tmbim6	2.41516973	1.16610558	1.12899357	0.03711201	0.43914094	0.89054584
Nmi	0.23743002	0.28491316	0.24784191	0.03707124	0.24294316	0.89054584
Traf5	0.16555592	0.21211476	0.17509059	0.03702417	0.16227108	0.81470761
Arpc3	1.93205328	1.14964379	1.11262016	0.03702363	0.43839834	0.89054584
Mall	0.06959223	0.11133782	0.07444156	0.03689625	0.01046736	0.12189214
3632451O06	0.10640884	0.15047739	0.11364693	0.03683046	0.0655396	0.47418188
Apaf1	0.09814691	0.14175552	0.10493275	0.03682277	0.05103443	0.39853675
Msantd3	0.12380671	0.1686789	0.13185823	0.03682067	0.09663213	0.61116934
Tmem38a	0.29267319	0.33900037	0.30218155	0.03681882	0.28513257	0.89054584
Psrc1	0.09288151	0.13610946	0.09931409	0.03679537	0.04216341	0.34870801
Sstr3	0.13773213	0.18311612	0.14635351	0.03676261	0.1209438	0.69664013
Tma7	3.13199155	1.11904823	1.08232191	0.03672633	0.43719238	0.89054584
Fzd1	0.10075568	0.14438646	0.10770546	0.03668099	0.05629206	0.42706556
Vwa5a	0.27841916	0.32487239	0.28829936	0.03657303	0.27725246	0.89054584
B4galt1	0.27641279	0.32290867	0.28633757	0.0365711	0.27590803	0.89054584
Hdhd3	0.18367716	0.2302046	0.19363949	0.03656511	0.18949685	0.88027083
Uso1	0.82352314	0.77012879	0.73369272	0.03643607	0.40851421	0.89054584
Gm5617	0.70660318	0.69107861	0.65464994	0.03642867	0.39772058	0.89054584
Ndufb2	2.00567693	1.1545833	1.11816038	0.03642291	0.43968805	0.89054584
Efcab2	0.20711325	0.25382758	0.21742552	0.03640206	0.2176912	0.89054584
Pip5k1b	0.16126609	0.20707834	0.1706799	0.03639843	0.16022221	0.8080503
Ubl7	0.66915138	0.66363821	0.62727824	0.03635997	0.39355938	0.89054584
Cep70	0.35790249	0.40076401	0.36440618	0.03635782	0.3210246	0.89054584
Bbip1	1.02889973	0.88572102	0.84936388	0.03635714	0.42096452	0.89054584
Slitrk6	0.28615906	0.33219343	0.29584929	0.03634414	0.28354717	0.89054584

Arhgap26	0.09670145	0.13970828	0.1033905	0.03631778	0.05086361	0.39839042
Iscu	1.12874529	0.93506682	0.89875016	0.03631666	0.42533708	0.89054584
Svip	0.41119368	0.4498731	0.41356577	0.03630733	0.34126511	0.89054584
Gab3	0.03216466	0.07072485	0.03441882	0.03630602	4.45E-07	1.47E-05
Fbl	1.31825443	1.01355163	0.97733943	0.0362122	0.43147419	0.89054584
Sgsm3	0.17703942	0.22305664	0.1868605	0.03619614	0.18340403	0.86612104
Mrpl48	0.89929798	0.81582234	0.77963322	0.03618912	0.41439278	0.89054584
Pik3cd	0.04195342	0.08107358	0.04489057	0.03618301	8.66E-05	0.00183536
Ewsr1	1.78969425	1.13245966	1.09628104	0.03617861	0.43890313	0.89054584
Plod1	0.28794268	0.33376013	0.2975852	0.03617493	0.28557853	0.89054584
Nt5dc1	0.15621509	0.20164357	0.16547704	0.03616652	0.15427856	0.79182956
Rhobtb1	0.17079714	0.21663188	0.18046928	0.03616259	0.17526476	0.84334167
Ric1	0.13627566	0.18099843	0.14484091	0.03615753	0.1224066	0.70076598
Mon1b	0.09446919	0.13713057	0.10100849	0.03612208	0.04784633	0.38114069
Pdcd2l	0.39547674	0.43534969	0.39923076	0.03611893	0.33669482	0.89054584
Qprt	0.0431347	0.08226614	0.04615412	0.03611202	0.00013356	0.00270442
Rnf141	0.24447589	0.29094625	0.25485209	0.03609416	0.25467954	0.89054584
Lsm8	1.07598886	0.90947461	0.87339066	0.03608395	0.42368187	0.89054584
Dnajc9	0.55194429	0.571488	0.53543822	0.03604979	0.37688377	0.89054584
Proscos	0.04973335	0.08925881	0.05321153	0.03604728	0.00079941	0.01361901
Pold4	0.55423774	0.57335528	0.53732258	0.0360327	0.37735792	0.89054584
Spcs3	0.85675857	0.79038778	0.75435629	0.03603149	0.41194979	0.89054584
Zfp273	0.06658464	0.10724987	0.07122739	0.03602248	0.00923127	0.11006164
Pdcd6ip	0.77001596	0.73476136	0.69873892	0.03602244	0.40509351	0.89054584
Pdcd7	0.16622878	0.21179576	0.17578174	0.03601403	0.16991017	0.83373276
Dock10	0.10685338	0.15012347	0.11411365	0.03600982	0.07075647	0.50162704
Spin4	0.05928666	0.09943393	0.06342643	0.0360075	0.00408571	0.05551505
Mapk10	0.04154349	0.08044286	0.04445209	0.03599077	8.09E-05	0.00173571
Fam204a	0.83983978	0.77987381	0.74393756	0.03593624	0.4109693	0.89054584
Bhlhe41	0.05402734	0.09371689	0.05780329	0.0359136	0.00189801	0.02887441

Tifab	0.01956731	0.05684555	0.02093983	0.03590572	6.82E-16	5.99E-14
Tubg2	0.07407015	0.11506674	0.07922626	0.03584049	0.01753201	0.1828909
Bud13	0.16759344	0.21301651	0.17718289	0.03583361	0.17303796	0.83791058
Cdc45	0.09330833	0.13559987	0.09976961	0.03583026	0.04714736	0.3772309
Erp44	1.26863108	0.99441007	0.95858534	0.03582473	0.43088704	0.89054584
Med14	0.12538172	0.16930381	0.13350128	0.03580253	0.10575203	0.64250089
Pou6f2	0.08500259	0.12669131	0.09090312	0.03578819	0.03331168	0.29269863
Ccdc22	0.13855058	0.18294613	0.14720316	0.03574298	0.12897372	0.71862451
Chmp2b	0.6404138	0.64133585	0.60561621	0.03571964	0.39173979	0.89054584
Dnmt3b	0.12338026	0.1671313	0.13141319	0.03571811	0.10270279	0.63039166
Plcx2	0.13310399	0.17724176	0.14154415	0.03569761	0.1199992	0.69340312
Tctex1d2	0.62968232	0.6330756	0.59738168	0.03569392	0.3903624	0.89054584
Zfp58	0.11567738	0.15901816	0.12336284	0.03565532	0.08906022	0.57823337
Thyn1	0.86463604	0.79478414	0.75913546	0.03564869	0.41340996	0.89054584
Lrpap1	1.51187563	1.07443359	1.03878818	0.03564541	0.43649219	0.89054584
Cmtm8	0.24541807	0.29140286	0.25578776	0.0356151	0.25826726	0.89054584
Mblac1	0.08011049	0.12129309	0.08567873	0.03561436	0.02639727	0.24548275
Dym	0.09379837	0.1358745	0.10029261	0.0355819	0.04917528	0.38873676
Man2c1os	0.03471955	0.07272048	0.03715219	0.0355683	4.09E-06	0.00011533
Pth1r	0.12223966	0.16578715	0.13022255	0.0355646	0.10161799	0.62665146
Gpr142	0.06718525	0.10742721	0.07186929	0.03555792	0.01058191	0.12300859
Rhobtb3	0.41100256	0.44894601	0.4133923	0.0355537	0.34432379	0.89054584
Rpl28	4.52600817	0.86876676	0.83323317	0.03553359	0.42125554	0.89054584
Sema5b	0.10346731	0.1460655	0.11055683	0.03550867	0.06727994	0.48312261
Atp11b	0.40726768	0.44549196	0.40999824	0.03549372	0.34335402	0.89054584
Zfp346	0.05919211	0.09881826	0.06332535	0.03549291	0.00451038	0.06037993
Park7	2.42778271	1.16424056	1.12878183	0.03545874	0.44182152	0.89054584
Ttc7b	0.0905815	0.13228431	0.09685918	0.03542512	0.04419486	0.36077541
Acot9	0.20970046	0.25543132	0.22003715	0.03539417	0.22680327	0.89054584
Rassf9	0.06740412	0.10748922	0.07210319	0.03538603	0.01111354	0.12757252

Snai1	0.13038242	0.17406675	0.13871216	0.03535458	0.11752341	0.68593175
Slc28a3	0.13915923	0.18318745	0.14783483	0.03535263	0.13261376	0.72977796
C1qtnf7	0.11918657	0.16233919	0.12703309	0.0353061	0.09768562	0.61445131
Gchfr	0.15001542	0.1943392	0.15907728	0.03526192	0.15086612	0.78172157
Sike1	0.46392014	0.49588121	0.46062109	0.03526011	0.36068157	0.89054584
Tiprl	1.03469377	0.88759727	0.8523812	0.03521606	0.42368164	0.89054584
Tmem37	0.13841214	0.18226952	0.14705946	0.03521006	0.13232281	0.72915851
Tmem167b	0.42057699	0.45725111	0.42205772	0.03519339	0.34882784	0.89054584
Pofut2	1.1296907	0.93434409	0.8991873	0.03515679	0.42772969	0.89054584
Kcnq1	0.04070786	0.07869456	0.04355824	0.03513633	8.56E-05	0.00182424
Evi2a	0.03127757	0.06859926	0.03346974	0.03512952	5.04E-07	1.65E-05
Dph7	0.09194447	0.13344342	0.09831399	0.03512944	0.04798359	0.38170821
Cse1l	0.37673147	0.41708309	0.38195382	0.03512927	0.33414549	0.89054584
Lrrc8a	0.21740436	0.26291716	0.22779626	0.0351209	0.23628598	0.89054584
Mknk1	0.26246889	0.30774235	0.27264949	0.03509286	0.27436815	0.89054584
Klhl22	0.39227312	0.43137703	0.39629155	0.03508547	0.33999491	0.89054584
Ntpr	0.32275661	0.36622061	0.33115013	0.03507048	0.31086303	0.89054584
Zhx2	0.07638122	0.11674747	0.08169524	0.03505223	0.02280585	0.22145959
Shisa5	0.8675291	0.79588437	0.76087985	0.03500452	0.4151425	0.89054584
Paox	0.12055698	0.16343774	0.12846514	0.0349726	0.10234133	0.62950557
Ttc3	2.04718186	1.15559998	1.12062829	0.03497168	0.44220047	0.89054584
Fam185a	0.0884762	0.129568	0.09461179	0.03495621	0.04259469	0.35075907
Gm12728	0.03495755	0.07230342	0.0374068	0.03489662	6.92E-06	0.0001883
Rnf144a	0.1563493	0.20050919	0.16561542	0.03489377	0.16314859	0.81647508
Trim23	0.2061179	0.25130206	0.21642	0.03488206	0.22635129	0.89054584
Tmem191c	0.13239318	0.17562999	0.14080478	0.03482521	0.12459998	0.70642606
Slc25a13	0.10958988	0.15180112	0.11698507	0.03481604	0.08278919	0.55312337
Shc1	0.51225542	0.53707419	0.502301	0.03477319	0.37352627	0.89054584
Tmem184a	0.45756387	0.48978177	0.45503529	0.03474648	0.36101141	0.89054584
Slc25a22	0.18791302	0.23268606	0.19795595	0.03473012	0.20685515	0.89054584

Mir143hg	0.07688829	0.11696601	0.08223693	0.03472909	0.02456307	0.23336523
Ccr2	0.02576841	0.06229606	0.02757522	0.03472084	2.23E-09	1.00E-07
Golgb1	1.53688824	1.08013643	1.04545486	0.03468157	0.43858641	0.89054584
Dcxr	0.1581437	0.20213452	0.16746485	0.03466967	0.16739154	0.82799129
Nudt16	0.20226933	0.24717881	0.21252845	0.03465036	0.22375055	0.89054584
Syn1	0.08358587	0.12403968	0.08939031	0.03464937	0.03546751	0.30806285
Gfra1	0.033753	0.07074053	0.03611813	0.03462239	3.98E-06	0.00011261
Ncf2	0.0594692	0.09820787	0.06362158	0.03458628	0.00565911	0.0725099
Dapk2	0.0447416	0.08240617	0.04787285	0.03453332	0.00038865	0.00716884
Scarf1	0.05102301	0.08911071	0.05459069	0.03452003	0.00160931	0.02495384
Ppard	0.10189621	0.14342455	0.10890509	0.03451946	0.0698731	0.49755416
Habp2	0.1050231	0.14669927	0.11219159	0.03450768	0.07593054	0.52346218
Alkbh2	0.18998316	0.23455654	0.20006271	0.03449383	0.21090886	0.89054584
Tnfrsf25	0.03330185	0.07009525	0.03563547	0.03445977	3.32E-06	9.46E-05
Glipr1	0.05199997	0.09008387	0.05563542	0.03444845	0.00195873	0.02958091
Nus1	0.4163404	0.45263878	0.41822942	0.03440936	0.35074526	0.89054584
Uxs1	0.27674609	0.32105858	0.2866636	0.03439498	0.28808176	0.89054584
Snx27	0.35232908	0.3935003	0.35917598	0.03432432	0.32807772	0.89054584
Crhr2	0.12530216	0.16772421	0.1334183	0.0343059	0.11546718	0.67725583
Muc4	0.11696377	0.15899289	0.1247088	0.0342841	0.10013116	0.62272587
Abcd1	0.13042485	0.17302919	0.13875633	0.03427286	0.12491546	0.70660334
Exoc2	0.15874131	0.20233009	0.1680805	0.03424959	0.17122189	0.83568909
Taf13	0.39030805	0.42869116	0.39448579	0.03420537	0.34311704	0.89054584
Brms1l	0.3004755	0.34392766	0.30973814	0.03418952	0.30353395	0.89054584
Xrn2	0.71107611	0.69203378	0.65785369	0.03418009	0.40436508	0.89054584
Numbl	0.17245904	0.21634713	0.18217241	0.03417472	0.19106014	0.88366966
Gm26735	0.04665478	0.08408286	0.04991908	0.03416378	0.00071506	0.01240072
5430416N02	0.16767856	0.21142679	0.17727026	0.03415653	0.18467617	0.8690805
Zfp386	0.34049487	0.38210133	0.34801506	0.03408628	0.32408023	0.89054584
Synpo	0.07621486	0.11559269	0.08151753	0.03407517	0.02573828	0.24089971

Wnt5a	0.11250869	0.15410061	0.12004477	0.03405584	0.09313266	0.59577065
Zbtb10	0.12368386	0.16578127	0.13173004	0.03405123	0.11423652	0.67417108
Ndrp1	0.50624714	0.53123884	0.49719823	0.03404061	0.37487318	0.89054584
Rbfa	0.48804958	0.51559172	0.48160647	0.03398524	0.37116674	0.89054584
Hspa4	1.03469687	0.88633428	0.85238281	0.03395147	0.42639042	0.89054584
S1pr2	0.15430061	0.19741128	0.16350233	0.03390895	0.16696612	0.82701566
Lrrc56	0.1012517	0.14211209	0.10822724	0.03388486	0.07232833	0.50878997
Gps2	0.62757094	0.62962006	0.59575225	0.03386781	0.39556047	0.89054584
Zfp593	0.23721622	0.28148273	0.24762884	0.0338539	0.2620838	0.89054584
Folr2	0.01801926	0.0531122	0.01928328	0.03382892	1.50E-16	1.42E-14
St8sia5	0.04736325	0.08447359	0.0506768	0.03379679	0.0009447	0.01572478
Arhgef26	0.0511444	0.08851166	0.0547205	0.03379116	0.00200736	0.03018954
Tacc2	0.21967516	0.26382262	0.2300783	0.03374432	0.24720823	0.89054584
Hspb8	0.26091676	0.3048514	0.27112005	0.03373135	0.28107829	0.89054584
Plbd1	0.02571135	0.06122993	0.02751417	0.03371576	5.68E-09	2.38E-07
Mthfr	0.0999138	0.14049786	0.10681774	0.03368012	0.07091836	0.50228355
Dpysl2	0.75631502	0.72312069	0.68945598	0.03366472	0.41002273	0.89054584
Mettl21a	0.13972192	0.18206144	0.14841867	0.03364277	0.1454694	0.76831161
Uap1	0.47019744	0.49973518	0.466114	0.03362118	0.36841537	0.89054584
Rbpms	0.88810037	0.80671914	0.77310574	0.0336134	0.41973818	0.89054584
Sf3b6	1.89040239	1.14221016	1.10870597	0.03350418	0.44401817	0.89054584
Stk32a	0.07664962	0.11546522	0.08198196	0.03348325	0.02853234	0.25967473
Limch1	0.17768621	0.22099773	0.1875218	0.03347593	0.20278839	0.89054584
Tchp	0.14025719	0.18244976	0.14897396	0.0334758	0.14757139	0.77404405
Prpf3	0.29805188	0.34086551	0.30739412	0.03347138	0.30597199	0.89054584
Prrg3	0.12644316	0.16807501	0.13460806	0.03346695	0.12336469	0.70249071
Ecd	0.44743993	0.47955077	0.44608812	0.03346265	0.36336311	0.89054584
Tbx3	0.05399921	0.09120905	0.05777321	0.03343584	0.00350541	0.04896098
Yap1	0.19679621	0.24041805	0.20698337	0.03343468	0.22585312	0.89054584
Ttc39a	0.32883114	0.37035117	0.33694385	0.03340732	0.32206761	0.89054584

Gm28557	0.04246586	0.07882439	0.04543871	0.03338569	0.00030954	0.0058586
Il10rb	0.35288677	0.39304833	0.35970009	0.03334823	0.33289393	0.89054584
Tbc1d2b	0.15116994	0.19361418	0.16027015	0.03334403	0.16620085	0.8246338
Spi1	0.02883789	0.06419766	0.03085947	0.03333819	2.41E-07	8.21E-06
Sri	1.40502769	1.04050961	1.0072376	0.03327201	0.43884489	0.89054584
Mzt1	0.546102	0.56388882	0.53062275	0.03326607	0.38511248	0.89054584
Slc25a12	0.17280747	0.21575381	0.18252935	0.03322447	0.1982099	0.89054584
Tmeff2	0.05511433	0.09218373	0.05896556	0.03321816	0.00433744	0.05838834
Zbtb1	0.31249104	0.35450979	0.32131558	0.0331942	0.31515094	0.89054584
Map3k12	0.2221271	0.26571878	0.23253978	0.03317899	0.25310775	0.89054584
Kras	0.89917679	0.81273232	0.77956306	0.03316927	0.42143211	0.89054584
Rab27b	0.09571183	0.13549247	0.10233453	0.03315793	0.06557695	0.47418188
Zfp606	0.28972193	0.3324451	0.2993153	0.0331298	0.30304027	0.89054584
Dusp2	0.03286892	0.06829727	0.03517229	0.03312497	5.73E-06	0.00015844
Aatf	0.28010282	0.32302433	0.28994409	0.03308024	0.2975199	0.89054584
Rnmt	0.35929374	0.39878285	0.36570913	0.03307372	0.33675276	0.89054584
Ttll12	0.16786802	0.21053705	0.17746473	0.03307232	0.19263148	0.88659402
Mboat4	0.08768822	0.12684188	0.09377055	0.03307132	0.05017787	0.39431114
Rnf128	0.23085141	0.27433637	0.24127606	0.03306032	0.26161281	0.89054584
Npl	0.14765694	0.1896847	0.15663884	0.03304586	0.16283084	0.8160116
Vhl	0.27188843	0.31488906	0.28190652	0.03298253	0.29284673	0.89054584
Plekha2	0.06696556	0.10460422	0.0716345	0.03296972	0.01600547	0.17074856
Trio	0.31860373	0.3600916	0.32717817	0.03291343	0.31964934	0.89054584
Btd	0.24469028	0.28796709	0.25506504	0.03290204	0.27392704	0.89054584
E2f2	0.0455062	0.08158174	0.04869064	0.0328911	0.0008243	0.01401012
Clec2d	0.10032342	0.14013573	0.10725068	0.03288505	0.07657143	0.52662835
C130013H08	0.05017988	0.0865131	0.05368905	0.03282404	0.00219732	0.03264011
Cwf19l2	0.34933411	0.38918035	0.35635851	0.03282184	0.3339236	0.89054584
Ado	0.23946854	0.2826882	0.24987247	0.03281573	0.27031572	0.89054584
Adal	0.12451847	0.16537788	0.13260085	0.03277703	0.12473794	0.70642606

Anapc15	0.26789757	0.31076426	0.27798973	0.03277453	0.29140613	0.89054584
Siglecg	0.02054394	0.05475149	0.02198489	0.0327666	1.91E-12	1.22E-10
Trub1	0.33027176	0.37106861	0.33831504	0.03275357	0.32597679	0.89054584
Ntrk1	0.06762684	0.10509421	0.07234123	0.03275298	0.01745644	0.18264153
Lcorl	0.45493313	0.48539728	0.45271627	0.032681	0.36831368	0.89054584
Gls	0.36911711	0.40755542	0.37488063	0.03267479	0.34234346	0.89054584
Lrrn4	0.02767897	0.06228785	0.02961948	0.03266837	1.38E-07	4.86E-06
Eif1ax	1.11013256	0.92268081	0.89002271	0.0326581	0.43213032	0.89054584
Lix1l	0.15982152	0.20184329	0.16919295	0.03265033	0.18430819	0.8681287
Gm42637	0.0536823	0.09006463	0.05743435	0.03263028	0.00406176	0.05529331
Fam126b	0.30735617	0.34900612	0.3163766	0.03262951	0.31543592	0.89054584
Atmin	0.17563792	0.21805327	0.18542697	0.0326263	0.20617892	0.89054584
Dcp1b	0.14031502	0.18164163	0.14903393	0.0326077	0.15401906	0.79121355
Jmjd6	0.84458897	0.77947985	0.74688339	0.03259646	0.41943793	0.89054584
Rassf4	0.1098967	0.14988033	0.11730686	0.03257347	0.09788749	0.61489291
Sh3yl1	0.19775807	0.24046136	0.20795881	0.03250255	0.23325753	0.89054584
Hs3st6	0.08719333	0.1257424	0.09324219	0.03250021	0.05219791	0.40403915
Cul2	0.40687495	0.44213456	0.40964087	0.03249369	0.35585581	0.89054584
Nif3l1	0.23214483	0.27501571	0.2425685	0.03244721	0.26657526	0.89054584
Rad54l2	0.13422916	0.17516094	0.14271414	0.0324468	0.14474648	0.76727455
Sult1a1	0.09639706	0.13550961	0.10306572	0.0324439	0.07124505	0.50410481
Chpf2	0.20058228	0.24326103	0.2108206	0.03244042	0.23671684	0.89054584
Prkacb	0.59098661	0.59942932	0.56704776	0.03238156	0.39509986	0.89054584
Wrb	0.2174824	0.26021203	0.22787472	0.03233731	0.25426055	0.89054584
Acvr1c	0.34858006	0.38798028	0.35564839	0.03233189	0.3359496	0.89054584
Ercc4	0.09722718	0.13625534	0.10395145	0.03230389	0.07383516	0.51613412
Ncoa4	0.03103468	0.06548516	0.03320987	0.03227529	2.98E-06	8.55E-05
Capn15	0.17057017	0.21250221	0.18023659	0.03226561	0.20213069	0.89054584
Slc39a3	0.19153572	0.23389057	0.20164154	0.03224904	0.22810076	0.89054584
Ybx3	0.29779452	0.33935324	0.30714504	0.0322082	0.31257968	0.89054584

Msln	0.02996467	0.06427032	0.03206505	0.03220527	1.44E-06	4.38E-05
Serpini2	0.06027074	0.09665326	0.06447847	0.03217479	0.01004096	0.11777817
Zfp277	0.31230081	0.35330428	0.32113283	0.03217146	0.32034364	0.89054584
Dgkz	0.23361467	0.27620501	0.24403635	0.03216866	0.26956219	0.89054584
Surf6	0.15428214	0.19561625	0.16348326	0.03213299	0.17990558	0.85601281
Rfk	0.61818904	0.62060594	0.58847715	0.03212878	0.39960802	0.89054584
Shmt2	0.31863508	0.35929179	0.32720819	0.0320836	0.32389984	0.89054584
Napepld	0.08158798	0.11930654	0.08725673	0.03204981	0.04351739	0.35685246
Ifi27l2a	0.05024918	0.08579832	0.05376316	0.03203516	0.00275107	0.03996501
Eno3	0.05124564	0.08685313	0.05482876	0.03202436	0.00325234	0.04600238
Haus4	0.11857297	0.15840329	0.12639166	0.03201162	0.11900307	0.69067516
Fam109b	0.07286581	0.10994974	0.07793951	0.03201023	0.0278449	0.25472969
Tuft1	0.13678199	0.17736107	0.14536685	0.03199423	0.15258714	0.78614371
Tmem263	0.59587489	0.60291928	0.57093464	0.03198464	0.39704584	0.89054584
Zfp112	0.06754042	0.10422135	0.07224887	0.03197248	0.01961654	0.19846523
Zfp503	0.21583276	0.25818463	0.22621553	0.0319691	0.25513795	0.89054584
2610001J05F	1.06487978	0.89976862	0.86782239	0.03194623	0.43191348	0.89054584
Slc37a4	0.3542436	0.39286308	0.36097451	0.03188857	0.34032659	0.89054584
Pah	0.06386961	0.10019155	0.0683255	0.03186604	0.01489528	0.16079806
Plscr4	0.12357276	0.1634293	0.13161409	0.03181521	0.1300382	0.72233481
9330160F10I	0.11400694	0.15342834	0.12161411	0.03181423	0.11146417	0.66356743
Smarcad1	0.55921833	0.57321383	0.5414029	0.03181094	0.39214104	0.89054584
Lcmt1	0.46648879	0.4946777	0.46287142	0.03180627	0.37443119	0.89054584
Osgin2	0.19294898	0.23487864	0.20307782	0.03180083	0.23282849	0.89054584
Thap1	0.13404659	0.17432022	0.14252433	0.0317959	0.14931683	0.77812345
Dcun1d4	0.08786747	0.12573462	0.09396192	0.0317727	0.05758264	0.43458258
Phox2b	0.02066315	0.05387252	0.02211245	0.03176007	1.10E-11	6.53E-10
Pde4d	0.21672158	0.25883573	0.22710965	0.03172608	0.25757786	0.89054584
Zfp580	0.22780305	0.26995022	0.23822744	0.03172278	0.26749963	0.89054584
Supt4a	0.85724575	0.78633999	0.75465317	0.03168682	0.42245288	0.89054584

Vps54	0.12000995	0.15956944	0.12789359	0.03167585	0.12427139	0.70545441
Cdc42ep1	0.16732372	0.20855436	0.17690602	0.03164834	0.20228683	0.89054584
Nudt17	0.05480479	0.09025719	0.05863459	0.0316226	0.00599152	0.07599742
Onecut1	0.0847386	0.12223121	0.09062123	0.03160998	0.05207009	0.40348056
Pin1	1.37988555	1.03049536	0.99889814	0.03159723	0.4414192	0.89054584
Cdc34	0.29261814	0.33371136	0.30212812	0.03158323	0.31311974	0.89054584
Pqbp1	0.68728189	0.67221854	0.64065133	0.03156722	0.4092157	0.89054584
Eps8l2	0.36117025	0.39902406	0.36746487	0.03155919	0.34453169	0.89054584
Gnai2	1.70244922	1.11343363	1.08190299	0.03153064	0.44599811	0.89054584
Ppp2r3a	0.24845296	0.29030793	0.25879883	0.0315091	0.28527818	0.89054584
Apbb1	0.43841774	0.4695725	0.4380638	0.0315087	0.36877312	0.89054584
Heyl	0.06551999	0.10158434	0.0700895	0.03149484	0.01815212	0.18797814
Fhod1	0.07870322	0.11565894	0.08417562	0.03148331	0.0407075	0.34053187
Fam178b	0.02160126	0.05459088	0.02311628	0.0314746	1.12E-10	5.92E-09
Hnf1aos1	0.1895505	0.23109692	0.19962254	0.03147437	0.2312999	0.89054584
Rbm12b2	0.14848211	0.18895834	0.15749224	0.0314661	0.1759704	0.8453343
Atg4c	0.08710241	0.12461037	0.09314512	0.03146525	0.05776316	0.43549156
Slc1a4	0.08041404	0.11745947	0.08600294	0.03145653	0.044185	0.36077541
Atp5k	2.30934863	1.16066126	1.12920509	0.03145618	0.44836876	0.89054584
Mrpl47	0.30858401	0.34900183	0.31755869	0.03144314	0.32228953	0.89054584
Fra10ac1	0.40323656	0.43774515	0.40632596	0.03141919	0.35932895	0.89054584
Gmcl1	0.41784174	0.45096685	0.41958726	0.03137958	0.36375967	0.89054584
Slc25a51	0.84111927	0.77611153	0.74473284	0.03137869	0.42218746	0.89054584
Plcl1	0.23292293	0.27471169	0.24334567	0.03136602	0.27408194	0.89054584
Gm5595	0.14147663	0.18159223	0.15023856	0.03135367	0.16545406	0.82205381
Tmem120a	0.27718616	0.31839803	0.28709399	0.03130403	0.30572678	0.89054584
Parp1	0.642963	0.63884776	0.60756062	0.03128714	0.40519677	0.89054584
Prmt6	0.29760735	0.33825067	0.30696387	0.0312868	0.31744514	0.89054584
Rbp2	0.17188682	0.21286823	0.18158613	0.03128211	0.21110224	0.89054584
Pdlim3	0.06044462	0.09593772	0.06466435	0.03127337	0.01212372	0.13671864

Nnmt	0.08009574	0.1169295	0.08566298	0.03126652	0.04451959	0.36199945
Litaf	0.5046619	0.52709048	0.49584809	0.03124239	0.38455072	0.89054584
Lrig1	0.12546164	0.16479158	0.13358463	0.03120695	0.13821285	0.74574245
Mrps21	1.80063062	1.1290405	1.09784427	0.03119623	0.44733871	0.89054584
Plpp5	0.43655743	0.46759964	0.43640357	0.03119607	0.36955134	0.89054584
Lss	0.06631587	0.10213489	0.07094013	0.03119476	0.02024608	0.20313329
Kif18a	0.07955072	0.11626775	0.08508085	0.0311869	0.04384014	0.35909288
Umps	0.55327327	0.56768483	0.53653056	0.03115427	0.39337748	0.89054584
Crem	0.26202333	0.30336085	0.27221056	0.03115029	0.29696705	0.89054584
Slit3	0.09272443	0.13028834	0.09914645	0.0311419	0.07168263	0.50695358
Fkbp1b	0.12827805	0.16765447	0.13652047	0.031134	0.14400691	0.76637203
Capns1	1.91586129	1.14231886	1.11119148	0.03112738	0.44808182	0.89054584
Sncg	0.05727108	0.0923855	0.06127155	0.03111395	0.00899485	0.10777465
Zbed3	0.28116372	0.32208321	0.29097975	0.03110346	0.30924046	0.89054584
Zfp248	0.09643146	0.13420179	0.10310242	0.03109937	0.07996561	0.54094194
Il16	0.04057536	0.07450949	0.04341651	0.03109298	0.00042416	0.00780391
2310022B05	0.87368918	0.79566522	0.76457359	0.03109163	0.4248672	0.89054584
Tbcel	0.15817987	0.19854523	0.16750212	0.03104311	0.19394783	0.88899106
Tmem121	0.11417916	0.15282654	0.12179445	0.03103208	0.11760308	0.68612048
1700096K18I	0.23540475	0.27684317	0.24582267	0.0310205	0.2782949	0.89054584
Rhbdl3	0.04660582	0.08083055	0.04986673	0.03096382	0.00190862	0.02894551
Ier3	0.15222717	0.19228259	0.16136202	0.03092056	0.18599364	0.87233221
Set	1.94518736	1.14462936	1.11371804	0.03091133	0.44855648	0.89054584
Pole4	0.52802448	0.54649659	0.51558636	0.03091023	0.39000308	0.89054584
Ect2	0.06467613	0.10009675	0.06918757	0.03090919	0.01870059	0.19226646
Bcl9	0.3657179	0.40260702	0.37171268	0.03089434	0.34929635	0.89054584
Xiap	0.53850593	0.55522084	0.52433029	0.03089055	0.39185856	0.89054584
Flt4	0.03891792	0.07253203	0.04164352	0.03088851	0.00027443	0.00526973
Cnp	0.27500616	0.31583585	0.28496102	0.03087484	0.30685491	0.89054584
Cdkn2c	0.06938245	0.10508237	0.07421739	0.03086498	0.02634055	0.24511247

Rab4b	0.06285328	0.09809887	0.06723915	0.03085972	0.01624853	0.17287186
Fam163a	0.09755055	0.13514755	0.10429647	0.03085108	0.08408268	0.55918838
Pdzrn3	0.07089571	0.10668172	0.07583444	0.03084727	0.02903802	0.26312076
Sntg1	0.05005294	0.08439498	0.0535533	0.03084167	0.00364702	0.05064608
2410131K14I	0.17774071	0.21841405	0.18757751	0.03083654	0.22186784	0.89054584
Pdlim7	0.46963932	0.49644285	0.46562649	0.03081636	0.37891153	0.89054584
Zfp397	0.44624005	0.47583067	0.44502363	0.03080704	0.3735301	0.89054584
Tti2	0.1666712	0.20700229	0.17623607	0.03076622	0.20801457	0.89054584
Ddah1	0.11251403	0.15081235	0.12005036	0.03076198	0.1162746	0.68083567
Slc9a8	0.20218498	0.24316782	0.21244309	0.03072473	0.25021842	0.89054584
Phox2a	0.01336683	0.04502537	0.01430466	0.03072071	7.20E-24	1.07E-21
Micalcl	0.1030156	0.14079932	0.11008203	0.03071729	0.09679515	0.61121462
Nedd1	0.27277742	0.31344802	0.28277797	0.03067005	0.30667125	0.89054584
Tpd52l1	0.09817796	0.1356263	0.10496587	0.03066043	0.08677705	0.57045578
Clasp1	0.22679329	0.26787236	0.23721666	0.0306557	0.27356084	0.89054584
Brpf3	0.10608792	0.14396272	0.11330995	0.03065277	0.10377278	0.63373959
Cdca4	0.31469238	0.35406987	0.32342907	0.0306408	0.32947059	0.89054584
Slc7a8	0.19319209	0.23392171	0.2033248	0.03059691	0.2416231	0.89054584
Zdhhc8	0.19171968	0.23240586	0.20182854	0.03057732	0.24014492	0.89054584
Sep-06	0.1556709	0.19545301	0.16491588	0.03053714	0.19415488	0.889076
Ndufaf2	0.49153282	0.51513795	0.48460631	0.03053164	0.38455962	0.89054584
Pla2g15	0.06730683	0.10252688	0.07199922	0.03052766	0.02411193	0.23028641
Ercc1	0.31704214	0.35620834	0.3256823	0.03052604	0.33117165	0.89054584
Rnf8	0.53016363	0.54786019	0.51737665	0.03048354	0.39184935	0.89054584
Anapc10	0.49068898	0.51436126	0.48388027	0.03048099	0.38457768	0.89054584
Npr1	0.09780821	0.13504684	0.10457138	0.03047546	0.0872691	0.57076343
Mical3	0.22663012	0.2675275	0.23705329	0.03047421	0.27461084	0.89054584
5830454E08I	0.0582608	0.09279124	0.06232969	0.03046155	0.01139606	0.13050563
Gm10053	0.22011941	0.26098059	0.23052448	0.03045611	0.26910451	0.89054584
Spink2	0.04791353	0.08171837	0.05126532	0.03045306	0.00282402	0.04076221

Tnks1bp1	0.13669119	0.17572276	0.14527254	0.03045022	0.16439622	0.81876208
Mta3	0.44921072	0.47809754	0.44765753	0.03044001	0.37569742	0.89054584
Dock2	0.03557073	0.06849726	0.0380628	0.03043447	9.76E-05	0.00203832
Oraov1	0.18840103	0.22887962	0.19845275	0.03042686	0.23751749	0.89054584
Dolk	0.24099047	0.28179854	0.2513872	0.03041134	0.28650937	0.89054584
Fam45a	0.29495106	0.33478347	0.30439084	0.03039263	0.32090015	0.89054584
Mccc2	0.29985042	0.33951663	0.30913387	0.03038275	0.32351324	0.89054584
Sh3bp2	0.04410602	0.07756462	0.04719304	0.03037157	0.00135741	0.02159264
Mpv17	0.56198628	0.57401191	0.54366348	0.03034843	0.3974042	0.89054584
3110040N11	0.34597123	0.38350438	0.35318918	0.0303152	0.34461887	0.89054584
1810024B03	0.14625297	0.18548257	0.15518622	0.03029635	0.18153117	0.86081561
Adgrl4	0.04766585	0.08129277	0.05100043	0.03029234	0.00282669	0.04076221
Gstcd	0.10453287	0.14195112	0.11167657	0.03027455	0.10329485	0.63241921
Gmppa	0.49930392	0.5215328	0.49127306	0.03025975	0.38706939	0.89054584
Dnajb14	0.41938815	0.45123685	0.4209845	0.03025234	0.36888953	0.89054584
Arv1	0.08723186	0.12352509	0.09328333	0.03024176	0.06547146	0.47418188
Sfr1	2.3046516	1.15938198	1.12914614	0.03023584	0.45035863	0.89054584
Hint3	0.35224828	0.38931769	0.35910004	0.03021765	0.34751364	0.89054584
Ppil1	0.57999561	0.58843779	0.55824992	0.03018787	0.40054508	0.89054584
Hars2	0.17891558	0.2189603	0.18877829	0.03018201	0.22817367	0.89054584
Arhgap1	0.36704154	0.40312618	0.37294702	0.03017916	0.35308492	0.89054584
1600020E01	0.22399644	0.26456774	0.23441458	0.03015315	0.27449054	0.89054584
Cenpk	0.16589145	0.20557494	0.17543527	0.03013967	0.21173857	0.89054584
Sh3bp5	0.16523181	0.20487234	0.17475762	0.03011472	0.21103311	0.89054584
Stk19	0.32497021	0.36335013	0.33326364	0.03008649	0.33702304	0.89054584
Chp1	0.6708544	0.65862513	0.62854406	0.03008106	0.41177977	0.89054584
Orc2	0.22236767	0.26285885	0.23278114	0.03007771	0.27359272	0.89054584
Top3b	0.31507815	0.35387474	0.32379919	0.03007556	0.33260252	0.89054584
ltsn1	0.17445923	0.2142738	0.18422071	0.03005309	0.22361458	0.89054584
Dusp3	0.28891935	0.32858464	0.29853509	0.03004956	0.31955138	0.89054584

0610040J01F	0.64151171	0.63649061	0.6064542	0.03003641	0.40875543	0.89054584
Adra1a	0.04792371	0.08130797	0.0512762	0.03003177	0.00317944	0.04510328
Aqp1	0.10490973	0.14202901	0.1120725	0.02995651	0.10650791	0.64598207
Cfap20	1.34534059	1.0170052	0.98707191	0.02993329	0.44382281	0.89054584
Tmem87b	0.44037828	0.46974202	0.43981127	0.02993075	0.37559984	0.89054584
Phf12	0.31597173	0.35458662	0.32465622	0.0299304	0.33377508	0.89054584
Nmrk1	0.18044202	0.22026156	0.19033769	0.02992386	0.23194589	0.89054584
Pxn	0.26998919	0.30994201	0.28004349	0.02989852	0.30945125	0.89054584
Orai3	0.33318938	0.3709678	0.34108871	0.02987909	0.34159298	0.89054584
Mysm1	0.51522003	0.53467002	0.50481038	0.02985964	0.39143636	0.89054584
Cacna2d1	0.63444824	0.63088772	0.60104847	0.02983925	0.40854293	0.89054584
Ubl5	2.73485256	1.14466341	1.1148256	0.02983782	0.4503827	0.89054584
Boc	0.13012035	0.16826227	0.13843931	0.02982296	0.15777576	0.80204521
Fzd3	0.15638814	0.19547236	0.16565547	0.02981689	0.20085289	0.89054584
Ttc30a1	0.11745582	0.15503752	0.12522347	0.02981404	0.13366506	0.731274
Notch3	0.10793701	0.14505784	0.11525104	0.0298068	0.11411733	0.67417108
Pold3	0.24758898	0.28770438	0.25794207	0.02976231	0.29543841	0.89054584
Lama2	0.07966176	0.11496126	0.08519946	0.0297618	0.05182001	0.40240304
Eif2s3x	0.37071626	0.40611404	0.37636879	0.02974525	0.35635969	0.89054584
Xndc1	0.16545446	0.20472532	0.17498636	0.02973896	0.21424224	0.89054584
Syng1	0.23359341	0.27373479	0.24401513	0.02971966	0.28521015	0.89054584
Kcnb2	0.25751728	0.29748554	0.26776627	0.02971927	0.30254526	0.89054584
Msmo1	0.51973781	0.5383357	0.50862369	0.02971202	0.39274987	0.89054584
Acsf3	0.14161496	0.18007329	0.15038199	0.0296913	0.17882356	0.85310432
Rassf2	0.08436331	0.11990562	0.0902205	0.02968513	0.06264716	0.45987776
Eno1b	0.10335718	0.14005521	0.11044108	0.02961413	0.10578353	0.64250089
Jam3	0.61769206	0.61769706	0.5880901	0.02960695	0.40727867	0.89054584
Gm26682	0.02906096	0.06068405	0.03109814	0.02958591	4.66E-06	0.00013017
Abcb9	0.34040439	0.3774924	0.34792943	0.02956297	0.34610331	0.89054584
Trpm4	0.11736896	0.15466913	0.12513262	0.02953651	0.13573054	0.73849629

Eif5a2	0.05740741	0.09094821	0.0614173	0.02953091	0.01254122	0.14062071
Pde4dip	0.25022709	0.29004011	0.26055705	0.02948307	0.29903509	0.89054584
Krcc1	1.0954834	0.91246534	0.88298398	0.02948136	0.43819219	0.89054584
Zfp637	0.53572678	0.55149328	0.52201874	0.02947453	0.39625374	0.89054584
Tmem106a	0.05452552	0.08778665	0.05833598	0.02945067	0.00933523	0.11084537
Unc5b	0.08527632	0.12063261	0.0911954	0.02943721	0.06630713	0.47741402
Npat	0.16691951	0.20590264	0.17649103	0.02941161	0.21875753	0.89054584
St6gal1	0.16093979	0.19971512	0.1703441	0.02937101	0.2109	0.89054584
Tbxas1	0.03657375	0.0684819	0.03913582	0.02934608	0.00023835	0.00460748
ErbB2	0.13625328	0.17414836	0.14481766	0.0293307	0.17268695	0.83703076
Lta4h	0.28655016	0.32554985	0.29623006	0.02931978	0.3223544	0.89054584
Pknox1	0.36398228	0.39941224	0.3700927	0.02931953	0.35602987	0.89054584
Il18r1	0.03919795	0.07125327	0.04194307	0.02931019	0.00056555	0.01012258
Mum1l1	0.16422961	0.20303234	0.17372771	0.02930463	0.21596988	0.89054584
Zfp281	0.32352014	0.36117492	0.33187942	0.0292955	0.34044396	0.89054584
Gm11627	0.10608365	0.14259269	0.11330547	0.02928723	0.11424759	0.67417108
Gm10146	0.0664224	0.10030186	0.07105399	0.02924787	0.02757108	0.25315361
H2-DMb2	0.01814986	0.0486431	0.01942304	0.02922007	1.20E-12	7.99E-11
Gtpbp3	0.18337057	0.22254411	0.19332677	0.02921734	0.24068444	0.89054584
Yipf4	1.41814495	1.04064188	1.01143437	0.02920751	0.4464887	0.89054584
Tcf19	0.17651618	0.21551046	0.1863254	0.02918506	0.23277064	0.89054584
Krt17	0.02631091	0.05731708	0.02815569	0.02916139	6.99E-07	2.24E-05
Wnt7b	0.08151978	0.11633227	0.08718389	0.02914837	0.05966007	0.44424843
Slc7a14	0.4040796	0.4362307	0.40709472	0.02913598	0.36940002	0.89054584
Rasgrf1	0.19713272	0.23645993	0.20732468	0.02913525	0.25632433	0.89054584
Sep-02	1.05118529	0.88996914	0.86084396	0.02912518	0.43737524	0.89054584
Hmha1	0.05076235	0.08342033	0.05431194	0.0291084	0.00626329	0.07889247
Efs	0.1096951	0.14620148	0.11709544	0.02910605	0.12342007	0.70253011
Slc6a13	0.031518	0.06281839	0.03372697	0.02909142	2.93E-05	0.00070032
Leng9	0.12319709	0.16026582	0.13122202	0.0290438	0.15122847	0.78275985

Clybl	0.13171565	0.16912609	0.14009984	0.02902626	0.16720936	0.82737245
Col11a1	0.0730444	0.10715195	0.07813032	0.02902163	0.04176417	0.34614674
Bcl7b	0.67913295	0.66368857	0.63466843	0.02902014	0.41565196	0.89054584
Stmn3	0.11399908	0.15060769	0.12160588	0.02900181	0.13326014	0.73071314
Aldh1a1	0.07686319	0.11120054	0.08221012	0.02899043	0.05019967	0.39431114
Hpgds	0.08125102	0.11588698	0.08689686	0.02899012	0.06005717	0.44651732
P4ha1	0.51626967	0.53467765	0.50569751	0.02898015	0.39473796	0.89054584
Tmem79	0.03024803	0.06129694	0.03236823	0.02892872	1.56E-05	0.00039515
Ptdss1	0.33002716	0.3669776	0.33808231	0.0288953	0.34524453	0.89054584
Kdm3a	0.17340249	0.21202857	0.18313876	0.02888982	0.23118809	0.89054584
Mrgprf	0.09516761	0.13062827	0.1017538	0.02887447	0.09307434	0.59575795
Cry2	0.33984061	0.3762669	0.34739584	0.02887106	0.34930738	0.89054584
Ctxn2	0.12604844	0.16304484	0.13419652	0.02884832	0.15828392	0.80406459
Ccdc126	0.2344204	0.27367105	0.24484056	0.02883049	0.29163999	0.89054584
Nudt10	0.06528404	0.09866646	0.06983732	0.02882914	0.02722556	0.25100767
Parp9	0.11088855	0.14717104	0.11834682	0.02882422	0.1282466	0.71677685
Adamts4	0.08747383	0.12235892	0.09354166	0.02881726	0.07560448	0.52298621
Abca6	0.02269414	0.05310217	0.02428571	0.02881647	1.62E-08	6.45E-07
Myppop	0.25300928	0.29204847	0.26331129	0.02873718	0.30556332	0.89054584
Cyth4	0.10976478	0.14589991	0.1171685	0.0287314	0.1266357	0.71241644
Golm1	0.19821998	0.23715816	0.2084271	0.02873106	0.26036475	0.89054584
Cacna2d2	0.04074119	0.07232128	0.04359389	0.02872739	0.0010698	0.01754524
Lace1	0.08630796	0.12101463	0.09229691	0.02871772	0.07358422	0.51488639
Isca1	0.3253233	0.36231504	0.33360052	0.02871452	0.34420407	0.89054584
Otulin	0.29096507	0.32922772	0.30052316	0.02870456	0.32815982	0.89054584
Ltbp1	0.06089652	0.09385016	0.06514744	0.02870272	0.02005371	0.20176171
Btg3	0.19361018	0.23244605	0.20374949	0.02869656	0.25585532	0.89054584
Zbtb8a	0.17868409	0.21721581	0.18854172	0.02867409	0.23930241	0.89054584
Slc24a2	0.05732259	0.08999538	0.06132662	0.02866876	0.01470504	0.15926281
Zbtb46	0.05063205	0.08281132	0.0541726	0.02863872	0.00688936	0.08558858

Gart	0.56296702	0.57307265	0.54446325	0.0286094	0.40330216	0.89054584
Usp28	0.08631184	0.12089094	0.09230105	0.02858989	0.0744977	0.51900827
Sephs1	0.34503787	0.3808974	0.35230846	0.02858894	0.35269256	0.89054584
Rpp25	0.06997244	0.10342647	0.07484786	0.02857861	0.03762895	0.32204514
Gabpa	0.20179933	0.24058928	0.21205278	0.0285365	0.26534079	0.89054584
Sdccag8	0.38949691	0.42227227	0.39373978	0.02853249	0.36782787	0.89054584
Rad51	0.1407293	0.17798033	0.14946362	0.02851671	0.18702942	0.87419127
Batf3	0.06216534	0.09500643	0.06650378	0.02850265	0.02292558	0.22217582
Endog	0.33486422	0.37109593	0.34267888	0.02841705	0.3496194	0.89054584
Scly	0.3679606	0.40221101	0.37380352	0.02840749	0.36164701	0.89054584
Trmt12	0.20933111	0.2480562	0.21966449	0.02839171	0.2735306	0.89054584
Pgm5	0.08466603	0.11891709	0.09054374	0.02837335	0.07215127	0.50853143
Mcph1	0.11631375	0.1523917	0.12402875	0.02836295	0.14334551	0.76511581
Tnnt1	0.04939735	0.0812151	0.0528522	0.0283629	0.00620615	0.07824067
4930522L14F	0.05720624	0.08954795	0.06120222	0.02834573	0.01547237	0.16599537
Stampb	0.25070153	0.28936173	0.26102698	0.02833474	0.30652213	0.89054584
Pmepa1	0.22311415	0.26182096	0.23352991	0.02829104	0.28623802	0.89054584
Cdc6	0.06009871	0.09258071	0.06429456	0.02828615	0.02019766	0.20278789
Trp53i13	0.67274452	0.65818164	0.62994658	0.02823506	0.41729437	0.89054584
Irak2	0.05932748	0.09169467	0.06347007	0.02822461	0.01914241	0.19547721
Flt3	0.02452225	0.0544472	0.02624183	0.02820537	2.76E-07	9.32E-06
Epha7	0.17011338	0.20794126	0.17976823	0.02817303	0.23265142	0.89054584
Cdc14a	0.08714487	0.12135411	0.09319045	0.02816366	0.07956447	0.54059058
RP23-474J16	0.02194657	0.05163779	0.02348578	0.028152	1.17E-08	4.73E-07
Pde10a	0.13243303	0.16899283	0.14084623	0.0281466	0.17591665	0.8453343
Ubxn7	0.27434235	0.31244193	0.28431106	0.02813087	0.32240854	0.89054584
Rmnd1	0.27587173	0.3139208	0.28580819	0.02811261	0.32338218	0.89054584
Fbxo6	0.25191616	0.2903271	0.26222958	0.02809751	0.30881971	0.89054584
Zfp775	0.1284834	0.16482722	0.13673442	0.0280928	0.1692322	0.8322688
Rab3gap2	0.26460228	0.30283748	0.27474981	0.02808766	0.31693625	0.89054584

Wiz	0.24110217	0.27958302	0.25149833	0.02808469	0.30144063	0.89054584
Gsr	0.68898323	0.66997783	0.64189457	0.02808326	0.41924264	0.89054584
Abcd3	0.88937985	0.80193637	0.77385586	0.02808051	0.43287607	0.89054584
Bbs12	0.08046035	0.1141305	0.08605241	0.0280781	0.06423426	0.46799603
Errfi1	0.47637441	0.49956414	0.47149671	0.02806743	0.39075984	0.89054584
Gab1	0.19660478	0.23482817	0.20678919	0.02803898	0.26378639	0.89054584
Sart3	0.31694757	0.35362577	0.32559168	0.02803409	0.34415702	0.89054584
Khdrbs1	1.39354238	1.03150048	1.00347541	0.02802507	0.44823774	0.89054584
Adam23	0.06813686	0.10090584	0.07288628	0.02801956	0.03664427	0.31529292
Mapk1ip1l	0.41590317	0.44584905	0.41783373	0.02801532	0.37737695	0.89054584
Fam210a	0.24889672	0.28724861	0.25923875	0.02800986	0.30734762	0.89054584
Tbp	0.14189182	0.17865664	0.150669	0.02798763	0.19340275	0.88812525
Foxo3	0.28006685	0.31789356	0.28990897	0.02798459	0.32645532	0.89054584
Scn3a	0.15038659	0.18744469	0.15946084	0.02798385	0.20679293	0.89054584
Cipc	0.13930228	0.17593779	0.14798327	0.02795452	0.18940554	0.88012871
Rxrb	0.18302037	0.22092344	0.19296952	0.02795392	0.24986874	0.89054584
Lysmd4	0.09609981	0.13069139	0.10274854	0.02794285	0.10257473	0.6298723
Spry4	0.07899772	0.11242091	0.08449018	0.02793072	0.06176183	0.45559551
Nab2	0.25091741	0.2891515	0.26124077	0.02791073	0.30932761	0.89054584
Iqgap2	0.28347018	0.32113976	0.29322942	0.02791034	0.32872007	0.89054584
Rabgga	0.2236727	0.26197275	0.23409001	0.02788274	0.28947059	0.89054584
Ank2	0.33120701	0.36708372	0.33920463	0.02787909	0.35089087	0.89054584
Olfml1	0.09392656	0.12827032	0.10042941	0.02784091	0.09825727	0.61534939
Phyhipl	0.32091938	0.35722024	0.32939405	0.02782619	0.34694816	0.89054584
Ces1d	0.0644822	0.09678309	0.06898029	0.0278028	0.03020384	0.27028518
Meis3	0.35876499	0.39300056	0.36521406	0.0277865	0.36149515	0.89054584
Klhl13	0.26967862	0.3075239	0.27973867	0.02778523	0.32177092	0.89054584
Pcdhb5	0.02379942	0.05319342	0.02546839	0.02772503	1.97E-07	6.80E-06
Efemp1	0.05183494	0.08317243	0.05545893	0.02771349	0.00995263	0.11712117
Sntb2	0.41200883	0.44199045	0.41430537	0.02768508	0.3777772	0.89054584

Csnk2a2	0.0577133	0.08942162	0.06174434	0.02767728	0.01838094	0.1898055
Hscb	0.1632165	0.20035137	0.17268619	0.02766517	0.22771738	0.89054584
Snx4	0.93841507	0.82934508	0.80173461	0.02761048	0.43626464	0.89054584
Mab21l2	0.03955358	0.06990913	0.0423235	0.02758563	0.00119628	0.01933526
Klhl10	0.02084624	0.04987631	0.02230837	0.02756795	4.27E-09	1.84E-07
Adck1	0.09611606	0.13032828	0.10276587	0.02756241	0.10573103	0.64250089
Anln	0.06400528	0.09602934	0.06847052	0.02755882	0.0303836	0.27141185
Msh3	0.3186267	0.35471617	0.32720017	0.027516	0.34760479	0.89054584
Cln8	0.26335881	0.30100039	0.27352588	0.0274745	0.31990279	0.89054584
Fst	0.01576909	0.04434206	0.01687538	0.02746668	1.69E-14	1.32E-12
Ddx10	0.43299636	0.46068352	0.43321977	0.02746376	0.38386276	0.89054584
Pla2r1	0.05499557	0.08622918	0.05883858	0.0273906	0.01504759	0.1619599
Cyp2j6	0.13189496	0.16763096	0.14028641	0.02734455	0.18190789	0.86130002
Smim20	0.53585532	0.54947001	0.52212577	0.02734424	0.40361798	0.89054584
Ccdc124	0.81263681	0.75408845	0.7267491	0.02733935	0.4304364	0.89054584
Rnaset2a	0.83902817	0.77077054	0.74343249	0.02733806	0.43198526	0.89054584
Lingo4	0.05297582	0.08401126	0.05667892	0.02733234	0.01233004	0.13867887
Fam222b	0.34471595	0.3793151	0.35200459	0.02731051	0.35887516	0.89054584
Deaf1	0.47878273	0.5008944	0.47358901	0.02730539	0.3941121	0.89054584
Stk39	0.17941816	0.21654323	0.18929183	0.02725139	0.25119808	0.89054584
Ebi3	0.0502298	0.08098053	0.05374244	0.02723809	0.00910611	0.10874825
Fbbs	0.13189389	0.16752123	0.14028531	0.02723593	0.1828604	0.86439845
Cdk6	0.15243041	0.18879062	0.16157187	0.02721875	0.2162692	0.89054584
Ier3ip1	1.64342789	1.0975254	1.07031077	0.02721462	0.45285074	0.89054584
B930041F14	0.06685319	0.09871567	0.0715144	0.02720127	0.0381908	0.32627589
Snd1	1.16974461	0.94447848	0.91729306	0.02718543	0.44509055	0.89054584
Capsl	0.46757393	0.49098443	0.46382089	0.02716354	0.3924844	0.89054584
Plek2	0.0534472	0.08434532	0.05718296	0.02716235	0.01344767	0.14860084
Trip13	0.07267826	0.1048971	0.07773911	0.02715799	0.05180585	0.40240304
Bdh1	0.06751976	0.09937216	0.07222679	0.02714537	0.03997345	0.33713503

Plcxd3	0.3810667	0.41309294	0.38596656	0.02712638	0.37166823	0.89054584
St6galnac6	0.21078256	0.24823077	0.22112859	0.02710219	0.28399512	0.89054584
Ankrd50	0.15648091	0.19281122	0.16575111	0.02706011	0.22344586	0.89054584
Lrrfip1	0.56267871	0.5712764	0.5442282	0.0270482	0.40844383	0.89054584
Clec10a	0.01629773	0.04441331	0.01744108	0.02697223	2.90E-13	2.04E-11
Mtss1	0.46915047	0.49212817	0.46519933	0.02692884	0.39369915	0.89054584
Gpr153	0.08601077	0.11889588	0.0919796	0.02691628	0.08638441	0.56824007
Fmo1	0.13698173	0.17248426	0.14557429	0.02690996	0.1945576	0.88952889
Dnph1	0.09543596	0.12894072	0.10204016	0.02690056	0.10968154	0.65546703
Mepce	0.14366722	0.17940776	0.15250884	0.02689893	0.20561633	0.89054584
Fam3a	0.45340175	0.47821739	0.45136443	0.02685296	0.39082334	0.89054584
Myl1	0.01544814	0.04338194	0.01653192	0.02685002	1.91E-14	1.49E-12
Tiparp	0.27556427	0.31232547	0.28550731	0.02681816	0.33083022	0.89054584
Pkib	0.18342422	0.22015469	0.19338149	0.0267732	0.25945737	0.89054584
Bmp2	0.03370621	0.06280836	0.03606807	0.02674028	0.0002761	0.00529491
H1fx	0.43086646	0.45802022	0.43131193	0.02670829	0.38648302	0.89054584
Cd83	0.02856953	0.05727604	0.03057234	0.02670369	2.36E-05	0.00057815
Socs3	0.18570986	0.22239619	0.19571181	0.02668439	0.26264091	0.89054584
Pygb	0.23550048	0.27260197	0.24591816	0.02668381	0.30659434	0.89054584
Galr1	0.05404656	0.08450141	0.05782385	0.02667756	0.01579957	0.16892491
Eci1	0.96510407	0.84286624	0.81621877	0.02664747	0.439553	0.89054584
Zfp952	0.15105728	0.18678188	0.16015377	0.02662811	0.2192812	0.89054584
Barx1	0.09360335	0.12670787	0.10008447	0.0266234	0.1076132	0.64845225
Cdt1	0.16018384	0.19618735	0.16956598	0.02662136	0.23225517	0.89054584
Arsj	0.08341143	0.11581311	0.08920404	0.02660907	0.08230451	0.5519946
Tff3	0.04443134	0.07414487	0.047541	0.02660387	0.00456515	0.0610005
Cdca2	0.08701821	0.11965856	0.09305522	0.02660334	0.09144098	0.5881594
Itgav	0.25538269	0.2922589	0.26565798	0.02660091	0.32042526	0.89054584
ldh3g	1.24072302	0.97399039	0.94739696	0.02659342	0.44797609	0.89054584
Gm15829	0.01817134	0.04603805	0.01944602	0.02659203	9.39E-11	5.00E-09

Aspm	0.05772792	0.08834536	0.06175998	0.02658539	0.02245469	0.2193554
Rprd1a	0.32218583	0.35718956	0.33060475	0.02658481	0.3539649	0.89054584
Ppp1r17	0.0470245	0.07688955	0.05031451	0.02657505	0.00693228	0.08604817
Senp5	0.24685722	0.28378986	0.25721615	0.02657371	0.31514169	0.89054584
Hk1	0.13822616	0.17342703	0.14686641	0.02656063	0.19973608	0.89054584
Psd	0.10968986	0.14364735	0.11708994	0.02655742	0.14532329	0.76804699
Cdc7	0.10621783	0.1399928	0.11344637	0.02654643	0.13781442	0.7438695
Glrx	0.66109723	0.64780052	0.62126426	0.02653626	0.42113181	0.89054584
Cckar	0.0354789	0.06448231	0.03796456	0.02651775	0.00056854	0.01015112
Tdrkh	0.3416433	0.37561152	0.34910143	0.02651008	0.36174778	0.89054584
Nifk	0.65654035	0.64433709	0.61784163	0.02649545	0.42082103	0.89054584
Bicd1	0.3880912	0.41893266	0.39244621	0.02648645	0.37659536	0.89054584
Xlr5a	0.05598479	0.08638155	0.05989627	0.02648527	0.01969367	0.19896783
Rbm34	0.3590943	0.39200387	0.36552241	0.02648146	0.36785789	0.89054584
Gm9780	0.0852947	0.1176958	0.09121502	0.02648077	0.08810061	0.57428752
Fbp2	0.01989246	0.04772972	0.02128776	0.02644196	3.58E-09	1.56E-07
Gprc5c	0.17882939	0.21512127	0.18869021	0.02643106	0.25700446	0.89054584
Sh2d4a	0.07510025	0.10674854	0.08032677	0.02642177	0.06270465	0.46006681
Clec1a	0.04023997	0.06946869	0.04305774	0.02641095	0.00213347	0.03182207
Hoxd3os1	0.03365513	0.06240191	0.03601342	0.02638849	0.00032032	0.0060391
Arhgef2	0.60085931	0.60125271	0.57488155	0.02637116	0.41538407	0.89054584
A930004D18	0.08406937	0.11625713	0.08990662	0.02635051	0.08605147	0.5673371
Dpy19l4	0.14167719	0.1767871	0.1504465	0.0263406	0.20733567	0.89054584
Hoxa2	0.06491779	0.09576291	0.06944586	0.02631704	0.0387364	0.32938437
Igsf3	0.29231088	0.32811384	0.30182992	0.02628393	0.34247803	0.89054584
Aldh6a1	0.23286608	0.26953602	0.24328889	0.02624713	0.30761288	0.89054584
Zfp110	0.15538405	0.19084998	0.16462003	0.02622995	0.22894112	0.89054584
Bysl	0.29018966	0.32598584	0.29976985	0.02621599	0.34184176	0.89054584
Eva1a	0.07817791	0.10982858	0.08361451	0.02621408	0.07205852	0.50853143
Ccdc82	0.08343906	0.1154404	0.08923354	0.02620686	0.08561263	0.5659881

Fam221a	0.33735366	0.37121811	0.34504001	0.0261781	0.36186706	0.89054584
Heatr6	0.30168452	0.3370677	0.31090634	0.02616136	0.34751846	0.89054584
Wrap53	0.19540206	0.23172555	0.20556882	0.02615673	0.27665511	0.89054584
Adora2b	0.08562662	0.11771965	0.09156943	0.02615022	0.09167822	0.58922032
Tnxb	0.07576775	0.10718542	0.08103989	0.02614554	0.06640748	0.47760826
Mast2	0.15737668	0.19281595	0.16667446	0.02614149	0.23247641	0.89054584
Gripap1	0.47618078	0.49745805	0.47132834	0.02612971	0.39809369	0.89054584
Phldb2	0.48853046	0.50813059	0.48202106	0.02610953	0.40038147	0.89054584
Ppfibp1	0.34604365	0.37935133	0.35325749	0.02609384	0.36537091	0.89054584
Pcdh9	0.08478294	0.1167545	0.09066858	0.02608591	0.09005665	0.5818366
Stard3	0.34864217	0.38178919	0.35570689	0.0260823	0.36631915	0.89054584
Ptbp2	0.29002249	0.32568584	0.2996074	0.02607844	0.3425463	0.89054584
Pomt2	0.15739578	0.19277159	0.16669415	0.02607744	0.23304994	0.89054584
G6pc3	0.45385889	0.47783849	0.45176812	0.02607037	0.39402046	0.89054584
Srsf3	2.61463133	1.14780745	1.12174926	0.02605819	0.45690781	0.89054584
Chst2	0.06012427	0.09035314	0.06432189	0.02603125	0.02968208	0.26745229
Megf6	0.08501139	0.1169372	0.09091251	0.02602469	0.09115564	0.58666938
Lamb2	0.09750558	0.13025907	0.1042485	0.02601057	0.12253013	0.70076598
Unc45b	0.03497045	0.06342935	0.0374206	0.02600874	0.00060156	0.01070104
Fras1	0.13624809	0.17078684	0.14481226	0.02597457	0.20167271	0.89054584
Psat1	0.22369663	0.26007311	0.234114	0.02595911	0.3027197	0.89054584
Calcr1	0.07662343	0.10787777	0.08195398	0.02592378	0.07027825	0.49945789
Map4	0.31573494	0.35032633	0.32442915	0.02589718	0.35498566	0.89054584
Zbtb45	0.22436784	0.26068124	0.23478688	0.02589435	0.30368585	0.89054584
Fars2	0.40785769	0.4364005	0.41053495	0.02586556	0.38455688	0.89054584
Znrf3	0.10784063	0.14100989	0.11514989	0.02586	0.14771351	0.77404405
Cib1	0.87119156	0.78893592	0.76307932	0.0258566	0.43728113	0.89054584
Elmo1	0.09513167	0.12756258	0.10171545	0.02584712	0.11822769	0.68802988
Ttc17	0.06980028	0.10050163	0.07466389	0.02583775	0.05345422	0.41156627
Zfp800	0.33779031	0.37129012	0.34545387	0.02583625	0.36375529	0.89054584

Cacna1b	0.07727759	0.10846246	0.08265279	0.02580967	0.07285819	0.5122687
Tmem60	0.57228974	0.57784195	0.55203394	0.02580801	0.41378893	0.89054584
Snx7	0.24724638	0.28340126	0.25760224	0.02579902	0.32039457	0.89054584
Xylt2	0.16339248	0.19866512	0.17286714	0.02579799	0.24343949	0.89054584
Mea1	0.87524269	0.79125993	0.76550071	0.02575922	0.43771144	0.89054584
Rpl23a	5.14675294	0.70439479	0.67865245	0.02574235	0.42986381	0.89054584
Relt	0.11120101	0.14441056	0.11867436	0.0257362	0.15616225	0.79775908
Exosc8	0.39876018	0.42796899	0.40223717	0.02573182	0.38283607	0.89054584
Upf1	0.22384355	0.25997131	0.23426131	0.02571	0.30456517	0.89054584
Nrgn	0.03769859	0.0660446	0.04033915	0.02570545	0.00149467	0.02347748
Dtd1	0.51630829	0.53141975	0.50573014	0.02568962	0.40646003	0.89054584
Nap115	0.10712051	0.14007707	0.11439407	0.025683	0.14778174	0.77404405
Izumo4	0.12378446	0.15750466	0.13183501	0.02566965	0.18216522	0.86167416
Cachd1	0.06481687	0.09500437	0.06933799	0.02566638	0.04230255	0.34946006
Tapbp1	0.27191633	0.30759558	0.28193388	0.0256617	0.33576171	0.89054584
Gcsh	1.00830625	0.86447173	0.83881336	0.02565837	0.44333786	0.89054584
Cacna1g	0.05224693	0.08153203	0.05589949	0.02563253	0.01632576	0.17339991
Podnl1	0.02597523	0.05342649	0.02779652	0.02562997	8.70E-06	0.00023237
Nfkb2	0.09761437	0.1299914	0.10436456	0.02562683	0.12631016	0.71147001
Atp5g2	2.95152475	1.12465215	1.09904688	0.02560527	0.45678263	0.89054584
Cyp4f16	0.15452001	0.18933279	0.1637287	0.02560408	0.23313218	0.89054584
Rpap3	0.35610003	0.38828472	0.36271656	0.02556817	0.37129997	0.89054584
Hdac6	0.40239509	0.43112047	0.40555823	0.02556224	0.38451193	0.89054584
Hs6st2	0.11612432	0.1493902	0.12383055	0.02555965	0.16811418	0.82993631
Haus8	0.16240195	0.19740215	0.17184849	0.02555366	0.24422419	0.89054584
Farp2	0.04989483	0.07889527	0.05338421	0.02551105	0.01299377	0.14467612
Hoxb8	0.03212054	0.0598821	0.03437162	0.02551048	0.00027226	0.00524017
Cript	1.01998478	0.87028754	0.84478223	0.02550531	0.44406895	0.89054584
Dusp14	0.04985154	0.0788229	0.05333792	0.02548498	0.01300534	0.14467612
Wdr33	0.40782019	0.4359848	0.41050083	0.02548396	0.3862035	0.89054584

Klf9	0.16646407	0.20149326	0.17602338	0.02546989	0.25011422	0.89054584
Gm26532	0.02114071	0.04809315	0.02262346	0.02546968	7.81E-08	2.85E-06
Upk1b	0.02374625	0.05086645	0.0254115	0.02545496	1.53E-06	4.63E-05
Unc5a	0.08035643	0.1113937	0.08594142	0.02545229	0.08382637	0.55825208
Hcn2	0.0225316	0.04955225	0.02411178	0.02544047	4.42E-07	1.47E-05
Piezo1	0.12211951	0.15550657	0.1300971	0.02540947	0.18142572	0.86081561
Stap2	0.10370973	0.13621577	0.11081161	0.02540415	0.14274062	0.76335429
Tbc1d19	0.32532847	0.3589822	0.33360546	0.02537674	0.36152071	0.89054584
Il17rc	0.15819267	0.19288353	0.1675153	0.02536823	0.24023651	0.89054584
B3galt4	0.10902675	0.14175794	0.11639441	0.02536353	0.15499789	0.79432997
Nudt8	0.2793122	0.3144912	0.28917193	0.02531928	0.34166364	0.89054584
Hoxb4	0.13956854	0.17357573	0.14825954	0.02531619	0.21314925	0.89054584
Osgin1	0.07957214	0.11040688	0.08510373	0.02530315	0.0829953	0.55424501
Erlin2	0.29016437	0.32504185	0.29974528	0.02529657	0.34709155	0.89054584
Zfp84	0.14948915	0.18382984	0.15853336	0.02529648	0.22861765	0.89054584
Dpep1	0.06091351	0.09045866	0.0651656	0.02529306	0.03528002	0.30664848
Thoc2	1.0558108	0.88847852	0.86321515	0.02526338	0.44577175	0.89054584
Mapk15	0.47889736	0.49893801	0.47368852	0.02524949	0.40193559	0.89054584
Dnm3	0.09141681	0.12299519	0.09775078	0.02524441	0.11445244	0.67479929
Hoxd4	0.05648426	0.08562402	0.06043031	0.02519371	0.02604817	0.24285937
Micu1	0.42582117	0.45195334	0.42678201	0.02517133	0.3917421	0.89054584
Kctd7	0.05372435	0.08262448	0.05747932	0.02514516	0.02076888	0.20637918
Tmcc3	0.22750879	0.26307781	0.23793293	0.02514487	0.31123269	0.89054584
Mphosph6	0.53427109	0.54592765	0.52080599	0.02512166	0.41109495	0.89054584
3010026O09	0.14883352	0.18295736	0.15785559	0.02510177	0.22939153	0.89054584
5730455P16I	0.32653452	0.35985589	0.33475567	0.02510022	0.36342052	0.89054584
Dcaf7	0.50894937	0.52458006	0.49949603	0.02508403	0.40750574	0.89054584
Cers5	0.56677445	0.5726024	0.54756208	0.02504032	0.41564166	0.89054584
Sned1	0.07082696	0.10080085	0.07576098	0.02503987	0.06180053	0.45559551
Tmem55a	0.56772267	0.57337037	0.54833234	0.02503803	0.41576596	0.89054584

2510046G10	0.15909236	0.19343422	0.16844208	0.02499214	0.24470172	0.89054584
Lepr	0.04325515	0.07123784	0.04628295	0.02495489	0.00600223	0.07600027
Pcyt1b	0.21247217	0.24777932	0.22283174	0.02494758	0.300974	0.89054584
Reck	0.1605527	0.19487269	0.16994568	0.024927	0.24719087	0.89054584
Mier1	0.74085133	0.70373834	0.67881768	0.02492066	0.43209678	0.89054584
Slc45a3	0.01802188	0.0441891	0.01928609	0.02490301	8.95E-10	4.23E-08
Tceal8	1.60048001	1.0857876	1.06089052	0.02489708	0.4564678	0.89054584
Rela	0.28362501	0.3182668	0.29338034	0.02488645	0.34634689	0.89054584
Zswim4	0.04146482	0.06924346	0.04436794	0.02487553	0.00449936	0.06028811
Adamts8	0.07351025	0.10349528	0.07862805	0.02486723	0.0703141	0.49946779
Homez	0.19435218	0.22934748	0.20450302	0.02484445	0.28569666	0.89054584
Mpp3	0.22906387	0.26432648	0.23948888	0.0248376	0.31448297	0.89054584
Gm10273	0.02825594	0.055064	0.03023681	0.02482719	6.53E-05	0.00143389
Mrps33	2.30065361	1.15391666	1.12909173	0.02482493	0.45920593	0.89054584
Apold1	0.06115894	0.09024829	0.06542797	0.02482032	0.03858185	0.32845551
Gm15234	0.04874286	0.07693009	0.05215226	0.02477783	0.01343198	0.14854065
Ppp1r21	0.14164023	0.17517335	0.15040818	0.02476518	0.22150828	0.89054584
Ap2m1	2.11885683	1.14904391	1.12429372	0.02475019	0.45915535	0.89054584
Arnt2	0.04000544	0.0675532	0.04280686	0.02474634	0.00353742	0.04931294
Bnc2	0.08525921	0.11592277	0.09117712	0.02474564	0.10303513	0.63136232
Cd4	0.03517237	0.0623819	0.03763662	0.02474528	0.00109508	0.01788478
Klk8	0.09911277	0.13069441	0.10596319	0.02473122	0.13843642	0.74639314
Vav3	0.03592902	0.06315318	0.03844609	0.02470709	0.00137658	0.02176563
Edn3	0.07562901	0.10559827	0.08089166	0.02470661	0.07737203	0.53062428
Spdl1	0.07493636	0.10484868	0.08015169	0.02469699	0.0755651	0.52298621
Plk4	0.12928712	0.16225558	0.13757162	0.02468396	0.20159535	0.89054584
Adgrd1	0.06695696	0.09630491	0.0716253	0.02467961	0.05421276	0.4156407
Hdac7	0.1691337	0.20339476	0.17876344	0.02463132	0.26045521	0.89054584
Tnni1	0.02073319	0.04680129	0.02218739	0.0246139	1.18E-07	4.17E-06
Supv3l1	0.11389108	0.14610233	0.12149279	0.02460955	0.17265793	0.83703076

Tmem150a	0.15362414	0.18740575	0.16280422	0.02460153	0.24071079	0.89054584
Sharpin	0.35072276	0.38225867	0.35766546	0.02459321	0.37435129	0.89054584
Mrps11	0.63387573	0.62512992	0.60060882	0.02452111	0.4245719	0.89054584
Gppbp111	0.53404577	0.54509141	0.52061816	0.02447325	0.41332197	0.89054584
Zrsr1	0.08356735	0.11383482	0.08937054	0.02446428	0.1010948	0.62422163
Robo2	0.15674681	0.19047683	0.16602523	0.0244516	0.2463086	0.89054584
Ajuba	0.11921954	0.15151114	0.12706755	0.02444359	0.18506608	0.86930035
Gdap111	0.50976554	0.52462561	0.50018914	0.02443648	0.40997468	0.89054584
Begain	0.07839463	0.10828021	0.083846	0.02443421	0.0872798	0.57076343
Thbs1	0.10253965	0.13397298	0.10958167	0.02439131	0.14986471	0.77903859
Trib1	0.2089372	0.2436571	0.21926699	0.02439011	0.30214677	0.89054584
Git1	0.17136223	0.20543201	0.18104852	0.02438349	0.26517793	0.89054584
Ccdc8	0.84553833	0.77184352	0.74747027	0.02437325	0.43962614	0.89054584
Gm2694	0.04497651	0.07248388	0.0481241	0.02435978	0.00917958	0.10953548
Ina	0.02484695	0.05094697	0.02658926	0.02435771	9.86E-06	0.00026098
Cep170b	0.21709543	0.25182514	0.22748562	0.02433952	0.30907389	0.89054584
Lcmt2	0.22442579	0.25917951	0.23484496	0.02433455	0.31463387	0.89054584
Gm26909	0.03508714	0.06187319	0.03754544	0.02432775	0.00126896	0.02030612
Ttc33	0.41396356	0.44038852	0.41607738	0.02431114	0.39272683	0.89054584
Adgrl2	0.17651853	0.21062367	0.1863278	0.02429587	0.27176156	0.89054584
Cct5	2.46748624	1.15212899	1.1278731	0.02425588	0.46009494	0.89054584
Gm5611	0.16094722	0.19460067	0.17035174	0.02424892	0.25360683	0.89054584
Ncmap	0.03193153	0.05840547	0.0341694	0.02423607	0.00047565	0.00860918
Prpf6	0.48233969	0.50090853	0.4766727	0.02423583	0.4063757	0.89054584
Dpm3	1.45655899	1.04744295	1.02323028	0.02421267	0.45610777	0.89054584
Arntl	0.09070619	0.12119412	0.09699227	0.02420185	0.12251313	0.70076598
Sat2	0.1989105	0.23329167	0.20912699	0.02416467	0.29517058	0.89054584
Lin37	0.36756744	0.39759669	0.37343718	0.02415951	0.38155089	0.89054584
Lzic	0.25212087	0.28657069	0.26243221	0.02413849	0.33413305	0.89054584
Fry	0.11047524	0.14204075	0.1179135	0.02412725	0.17021802	0.83373276

Sertad2	0.27853354	0.31252196	0.28841114	0.02411082	0.34845989	0.89054584
Zfp599	0.0670894	0.09586238	0.07176685	0.02409553	0.05888209	0.43985104
Abhd17a	0.4102265	0.4367756	0.41268772	0.02408788	0.39283621	0.89054584
Arhgap22	0.02417301	0.04995536	0.02586814	0.02408723	7.18E-06	0.00019429
Tmem246	0.21715731	0.25159053	0.22754785	0.02404268	0.31126665	0.89054584
Akr1cl	0.05313335	0.08088828	0.05684737	0.02404091	0.02440318	0.2319982
Kifc1	0.06552614	0.0941226	0.07009607	0.02402652	0.05514124	0.42075671
Eya2	0.06907029	0.09790392	0.0738838	0.02402012	0.06493013	0.47185816
Lrp3	0.06159303	0.08989932	0.065892	0.02400732	0.04480537	0.3637112
Rps18-ps3	1.36203785	1.01683047	0.9928528	0.02397767	0.45520764	0.89054584
Tgfbr3	0.07508684	0.10428253	0.08031245	0.02397008	0.0821872	0.5516435
Gm14419	0.05091977	0.0784333	0.05448028	0.02395302	0.02026194	0.20315185
Igsf8	0.62155552	0.61503848	0.59109456	0.02394392	0.42515483	0.89054584
Slc35a5	0.16455362	0.19799469	0.17406073	0.02393396	0.26088456	0.89054584
S1pr3	0.10676909	0.13795603	0.11402516	0.02393087	0.16408939	0.81835843
Zfp319	0.08999066	0.12015545	0.09622848	0.02392696	0.12334354	0.70249071
Gm3604	0.0572403	0.08515907	0.06123864	0.02392043	0.03439251	0.29983318
Nat14	0.12640036	0.15846948	0.13456344	0.02390604	0.20392301	0.89054584
Marveld1	0.056976	0.08486001	0.06095606	0.02390394	0.03384948	0.29600565
Ddx58	0.04788716	0.07513414	0.05123711	0.02389703	0.01489264	0.16079806
Mycn	0.07064459	0.09946037	0.07556611	0.02389426	0.07035219	0.49949366
C330006A16	0.22370251	0.25799792	0.23411991	0.02387802	0.31733363	0.89054584
Ddo	0.05082507	0.07824892	0.05437901	0.02386991	0.0204243	0.2039679
Mtmr2	0.39102332	0.41897134	0.39514333	0.02382801	0.38937652	0.89054584
Prkar1b	0.3405156	0.37185191	0.34803467	0.02381724	0.37492856	0.89054584
Gltp	0.49937114	0.5151244	0.49133056	0.02379384	0.41074843	0.89054584
Glb1l	0.09011375	0.12013328	0.09635988	0.0237734	0.12518946	0.70787708
Fam206a	0.14426681	0.17690166	0.15312991	0.02377175	0.23476323	0.89054584
Fastkd1	0.06946886	0.09807091	0.07430973	0.02376119	0.06814667	0.48857443
Klhl6	0.04669497	0.07370202	0.04996207	0.02373996	0.01342331	0.14854065

Samd14	0.33637434	0.36784779	0.34411143	0.02373636	0.37396585	0.89054584
Hlcs	0.0946246	0.12490781	0.10117433	0.02373348	0.13722006	0.7420427
Taf1	0.34916492	0.37992861	0.3561992	0.02372941	0.3781394	0.89054584
Bccip	1.12658324	0.92147704	0.89774823	0.02372881	0.45099705	0.89054584
Xpr1	0.33250121	0.36415988	0.3404349	0.02372498	0.37271066	0.89054584
D030056L22I	0.38464944	0.41297863	0.38927487	0.02370376	0.38832295	0.89054584
Meig1	0.11617385	0.14757517	0.12388238	0.0236928	0.1864556	0.8734195
Tmem65	0.20705156	0.24105078	0.21736322	0.02368756	0.30582599	0.89054584
Mn1	0.10958669	0.14066371	0.11698173	0.02368198	0.17279853	0.83703076
Map10	0.06265938	0.09069768	0.06703189	0.0236658	0.05000014	0.3933272
Pcdh20	0.03332707	0.05931831	0.03566245	0.02365586	0.00099943	0.01646567
Arrb2	0.15606477	0.18897596	0.16532204	0.02365392	0.25251668	0.89054584
Il17re	0.18949181	0.22321446	0.19956283	0.02365163	0.29041775	0.89054584
Mettl2	0.19571271	0.22953142	0.20588409	0.02364734	0.29628536	0.89054584
Atg4d	0.32912753	0.36087248	0.33722605	0.02364643	0.37195235	0.89054584
Spata17	0.02442441	0.04973609	0.02613714	0.02359895	1.30E-05	0.00033401
Cog1	0.29671282	0.32967253	0.30609777	0.02357475	0.35986563	0.89054584
Slco2b1	0.03593498	0.06201077	0.03845248	0.02355829	0.00215627	0.03209611
Nox4	0.03034977	0.05602537	0.03247708	0.02354829	0.00036497	0.00676645
Ganc	0.12555684	0.1571654	0.13368391	0.0234815	0.2065815	0.89054584
Ncf4	0.03361672	0.05942462	0.03597233	0.02345229	0.00119309	0.01932674
Tbpl1	0.61195844	0.60705666	0.58361255	0.02344411	0.4257704	0.89054584
Gale	0.27150406	0.3049468	0.28152962	0.02341718	0.34918447	0.89054584
Adamts15	0.10828138	0.13902614	0.1156124	0.02341374	0.17270615	0.83703076
Klc3	0.60608739	0.60241701	0.57900454	0.02341247	0.42528639	0.89054584
Prx	0.0274717	0.05279004	0.02939772	0.02339232	0.00010478	0.00217011
Arl4a	0.80079709	0.74247367	0.71910027	0.0233734	0.43981721	0.89054584
Mrc1	0.02905821	0.05444911	0.03109521	0.0233539	0.00023344	0.00452457
Ushbp1	0.05813733	0.08553319	0.06219768	0.02333551	0.0402359	0.33777651
Lym4	0.21007694	0.2437421	0.22041694	0.02332517	0.31099821	0.89054584

Nxf1	1.27072052	0.98271679	0.95940081	0.02331598	0.45492625	0.89054584
Tek	0.06605347	0.09397225	0.07065969	0.02331256	0.06213295	0.45702869
Saraf	1.47245681	1.05115151	1.02785301	0.0232985	0.45794792	0.89054584
Myrf	0.16751065	0.20039166	0.17709791	0.02329375	0.27000692	0.89054584
Trip10	0.18754484	0.22084802	0.19758106	0.02326696	0.29162881	0.89054584
Cirh1a	0.31063199	0.34279016	0.31952879	0.02326137	0.36724229	0.89054584
Hoxb3	0.07543064	0.10393402	0.08067974	0.02325427	0.08966129	0.58049509
Tceal1	0.498661	0.51396897	0.49072288	0.0232461	0.41266328	0.89054584
Pcyox1	0.27280776	0.30604899	0.2828077	0.0232413	0.35090642	0.89054584
Mis18bp1	0.09210652	0.12171733	0.09848695	0.02323039	0.13590206	0.73849629
Fut10	0.06074706	0.08821258	0.06498766	0.02322492	0.04795782	0.38170821
Stx18	0.40461262	0.43078672	0.40758058	0.02320614	0.39540345	0.89054584
Smek1	0.48980615	0.50632629	0.48312021	0.02320608	0.41146172	0.89054584
Fam102b	0.08482906	0.11392173	0.09071782	0.02320391	0.11669549	0.68192309
Trim30a	0.0324206	0.05789494	0.03469265	0.02320229	0.00091699	0.01535164
Trappc10	0.20983374	0.24336995	0.2201716	0.02319835	0.3117526	0.89054584
Icam1	0.05883881	0.08612919	0.06294764	0.02318155	0.04310526	0.3540737
Rgs12	0.1448471	0.17689573	0.15373086	0.02316487	0.24133007	0.89054584
Uaca	0.29512132	0.32771312	0.30455587	0.02315725	0.36157657	0.89054584
Trim33	0.23243088	0.26600629	0.24285424	0.02315205	0.32846656	0.89054584
Depdc1a	0.06685182	0.09465355	0.07151294	0.02314061	0.06583235	0.47501237
Chchd4	0.68042513	0.65875227	0.63562013	0.02313214	0.43268087	0.89054584
Lsamp	0.04416341	0.07037922	0.04725443	0.02312479	0.01130575	0.12957378
Rabgef1	0.1699383	0.20270204	0.17958869	0.02311335	0.27438205	0.89054584
Arc	0.09847907	0.12839947	0.10528712	0.02311234	0.15322057	0.78856652
Ogfod3	0.2716271	0.30475195	0.28165028	0.02310168	0.3511794	0.89054584
Mnd1	0.08705994	0.1161932	0.09309977	0.02309342	0.12391186	0.70422347
Stard5	0.29250708	0.32510554	0.30202034	0.0230852	0.36087894	0.89054584
Med17	0.21081196	0.24424336	0.22115823	0.02308512	0.31337246	0.89054584
Ccdc88a	0.89154302	0.79819559	0.77512151	0.02307408	0.44484798	0.89054584

Unc5cl	0.03767666	0.06337433	0.04031569	0.02305864	0.00385296	0.05284788
Aco2	1.44356516	1.04238076	1.01932717	0.02305358	0.45804158	0.89054584
AB124611	0.02288586	0.04754205	0.02449086	0.02305119	5.80E-06	0.0001601
Mapkap1	0.43075293	0.45424771	0.43121016	0.02303755	0.40171694	0.89054584
Upf3a	0.43982365	0.4623537	0.43931714	0.02303655	0.40349857	0.89054584
Tlk1	0.33855063	0.36920547	0.34617428	0.02303119	0.37829484	0.89054584
Ltv1	0.47117741	0.48998481	0.46696951	0.02301529	0.4091924	0.89054584
Epn3	0.05058963	0.07711118	0.05412724	0.02298456	0.02394348	0.22897929
Pmm1	0.22411786	0.25752043	0.23453631	0.02298413	0.32399089	0.89054584
Bbs4	0.25968788	0.2928917	0.26990832	0.02298338	0.34578671	0.89054584
Ing1	0.55063302	0.55733311	0.5343593	0.02297381	0.42062191	0.89054584
Gm4577	0.03249536	0.05774004	0.03477263	0.02296741	0.00104463	0.01717121
Pabpc4	0.59388165	0.59231208	0.56935166	0.02296042	0.42548436	0.89054584
Tvp23a	0.05884922	0.08591197	0.06295877	0.02295319	0.04470357	0.36308815
Nfs1	0.50565692	0.51958333	0.49669572	0.0228876	0.41500734	0.89054584
Epb42	0.04739533	0.07359091	0.05071111	0.02287979	0.0177759	0.18474197
Sla2	0.0181072	0.04225281	0.01937738	0.02287543	1.90E-08	7.49E-07
Acat2	0.49867652	0.51359703	0.49073616	0.02286087	0.41409011	0.89054584
Dok2	0.03899342	0.06458379	0.04172429	0.0228595	0.00534771	0.06934802
Idi1	0.24926396	0.28244425	0.25960274	0.02284151	0.34093106	0.89054584
Tti1	0.10478691	0.13476302	0.11194347	0.02281955	0.17112729	0.83563604
Gm37350	0.04327673	0.06911855	0.04630603	0.02281251	0.01086049	0.12527997
Taf1a	0.11041874	0.14065742	0.11785427	0.02280315	0.18367722	0.86684645
Zfp462	0.15333414	0.18530742	0.16250489	0.02280253	0.25664022	0.89054584
Mospd2	0.25396279	0.28703943	0.26425439	0.02278504	0.34394797	0.89054584
Elac1	0.07302032	0.10088315	0.07810459	0.02277856	0.0871142	0.57045578
Sv2b	0.07140773	0.09915624	0.07638156	0.02277468	0.08239266	0.55212586
Acaca	0.18201661	0.21470752	0.19194528	0.02276224	0.29030618	0.89054584
Ifngr2	0.42087691	0.44508047	0.42232834	0.02275213	0.40091032	0.89054584
Alg1	0.24135446	0.27450066	0.25174931	0.02275134	0.33686202	0.89054584

Aff3	0.04081229	0.06641873	0.04366994	0.02274879	0.00761293	0.09337756
Adat1	0.08718763	0.11597734	0.09323611	0.02274123	0.12790234	0.71595682
Zfp383	0.16680462	0.19909591	0.17637307	0.02272285	0.27417647	0.89054584
C1ra	0.05914459	0.08597468	0.06327455	0.02270013	0.04731902	0.37818696
Tnc	0.02519231	0.04964785	0.0269588	0.02268904	4.41E-05	0.00100803
Nfatc4	0.11585926	0.14622316	0.12355318	0.02266998	0.19632005	0.89054584
Tmem238	0.58960512	0.58861573	0.56594638	0.02266935	0.42598049	0.89054584
Smarcd1	0.27581848	0.30841642	0.28575609	0.02266033	0.35589542	0.89054584
Fibp	0.467443	0.4863491	0.46370637	0.02264274	0.41001918	0.89054584
Taf2	0.17273154	0.20508775	0.18245157	0.02263618	0.28162532	0.89054584
Hdgfrp3	0.15358686	0.18539838	0.16276575	0.02263263	0.2585483	0.89054584
Stip1	1.25787937	0.97691341	0.95433291	0.0225805	0.45611136	0.89054584
Dand5	0.10188128	0.13145345	0.10888939	0.02256406	0.16716578	0.82737245
Gfpt1	0.74340961	0.70314304	0.68058955	0.02255349	0.43865161	0.89054584
Aamp	1.69670256	1.10335898	1.08083548	0.02252351	0.46132843	0.89054584
B3gnt8	0.15997526	0.19187142	0.16935124	0.02252018	0.26777968	0.89054584
Ift80	0.13342548	0.16437861	0.14187849	0.02250012	0.22999941	0.89054584
Jup	0.56728387	0.5704732	0.54797596	0.02249723	0.42415566	0.89054584
Ptpr	0.02548122	0.04976146	0.02726794	0.02249353	6.07E-05	0.00134874
Fam132a	0.24001816	0.27286881	0.25041961	0.0224492	0.33809899	0.89054584
Zfp748	0.1321342	0.16297076	0.14053534	0.02243542	0.22850925	0.89054584
Dennd1c	0.07791878	0.1057647	0.08333771	0.02242699	0.1049635	0.63913594
Lrp8	0.34999662	0.37939702	0.35698217	0.02241485	0.38493916	0.89054584
Pdha1	0.72364732	0.68919584	0.66678155	0.02241429	0.4377748	0.89054584
Wdr20	0.31247876	0.34371552	0.32130378	0.02241174	0.37260083	0.89054584
Jrkl	0.20421127	0.2369022	0.21449279	0.02240941	0.31321814	0.89054584
Uvssa	0.35215041	0.38141211	0.35900804	0.02240406	0.3856238	0.89054584
Triqk	0.25145399	0.28415977	0.26177207	0.02238769	0.34514944	0.89054584
Mycl	0.21955761	0.25233905	0.22996022	0.02237883	0.325134	0.89054584
Tatdn1	0.17938923	0.21161897	0.18926227	0.02235669	0.29104323	0.89054584

Setmar	0.0476054	0.07327883	0.05093578	0.02234305	0.02049403	0.20420787
Zfp950	0.55887898	0.56346266	0.5411254	0.02233725	0.42374671	0.89054584
Rsph1	0.29598217	0.32772625	0.30539005	0.0223362	0.3666442	0.89054584
Gm4924	0.05736519	0.0836674	0.06137217	0.02229523	0.0452757	0.36609429
Fxyd7	0.04604696	0.07155364	0.049269	0.02228464	0.01754733	0.1828909
Arl8a	0.30318281	0.33463052	0.31235301	0.02227751	0.36983776	0.89054584
Tagap	0.03980263	0.06486393	0.04258991	0.02227401	0.00741364	0.09155279
Adcy4	0.07366915	0.10104847	0.07879783	0.02225064	0.09415839	0.59930619
Etv5	0.11985409	0.14996246	0.12773072	0.02223174	0.2087126	0.89054584
Sik2	0.18016044	0.21227828	0.19005011	0.02222817	0.29290855	0.89054584
Brdt	0.07906967	0.10675408	0.08456704	0.02218704	0.11079308	0.66020472
Ogfrl1	0.07535919	0.10276636	0.08060341	0.02216295	0.1000905	0.62272587
Tmtc1	0.04440582	0.06965776	0.04751371	0.02214405	0.01495322	0.16130338
Igdcc4	0.10460933	0.1338789	0.11175691	0.022122	0.17820547	0.85127607
Dctd	0.1269033	0.15718446	0.13508776	0.02209669	0.2230072	0.89054584
Nup37	0.22856954	0.2610827	0.23899439	0.02208831	0.33338393	0.89054584
Abhd11	0.35702657	0.38565965	0.36358532	0.02207434	0.38864281	0.89054584
Adam33	0.05531411	0.08123758	0.05917918	0.0220584	0.04123156	0.34354894
Slc4a7	0.45841844	0.47784534	0.4557877	0.02205764	0.41080788	0.89054584
Lrrtm3	0.06885677	0.09571048	0.07365562	0.02205486	0.08150242	0.54831655
Aph1b	0.08510375	0.11305889	0.09101113	0.02204776	0.12952386	0.72054099
Cldn8	0.06795403	0.09469529	0.0726909	0.02200439	0.07922313	0.538911
Zfp945	0.31179451	0.34264424	0.32064633	0.02199791	0.37462583	0.89054584
Lifr	0.26060612	0.29280979	0.27081381	0.02199598	0.35256396	0.89054584
Pcsk5	0.04667755	0.07192684	0.04994344	0.02198341	0.0201477	0.20242643
Ercc3	0.15033333	0.18136547	0.15940581	0.02195966	0.26049725	0.89054584
Uap1l1	0.12401335	0.15403269	0.13207385	0.02195884	0.21928684	0.89054584
Ctnna1	1.05148692	0.88295231	0.86099902	0.02195329	0.4527204	0.89054584
Mmadhc	0.80055253	0.74089346	0.7189412	0.02195226	0.44343858	0.89054584
Pde3a	0.09144504	0.11972333	0.09778092	0.02194242	0.14789958	0.77409677

Cyp7b1	0.0629787	0.08931309	0.06737321	0.02193989	0.06461182	0.47001612
Chd6	0.69755029	0.67004622	0.64812382	0.0219224	0.43739155	0.89054584
Dysf	0.05458636	0.08031859	0.05840103	0.02191755	0.04019114	0.33777651
Ccdc106	0.03706479	0.06156876	0.03966112	0.02190763	0.00503435	0.06629241
Rabep2	0.17394325	0.2055584	0.18369247	0.02186592	0.2895912	0.89054584
Gm12840	0.03214796	0.05625021	0.03440096	0.02184926	0.00154291	0.02400117
Ntrk3	0.0533754	0.07895159	0.05710619	0.0218454	0.03735577	0.32027435
Eps8	0.48161132	0.49786779	0.47604188	0.02182591	0.41542696	0.89054584
Tmem173	0.0836492	0.1112784	0.08945794	0.02182046	0.12789404	0.71595682
Rfx5	0.06206217	0.08819106	0.0663935	0.02179756	0.06306147	0.46198345
Tmem248	0.58370849	0.58302627	0.56123095	0.02179532	0.42821154	0.89054584
Zg16	0.02054685	0.04377902	0.021988	0.02179102	1.94E-06	5.80E-05
Ly6c1	0.04097018	0.06562147	0.04383884	0.02178264	0.01030827	0.12042647
Traf3ip1	0.14869502	0.17946961	0.15771239	0.02175722	0.26020147	0.89054584
Tfcp2	0.16486517	0.19611389	0.17438089	0.021733	0.28074104	0.89054584
Ddx41	0.8017469	0.74143617	0.71971764	0.02171853	0.44409678	0.89054584
Pus1	0.27549938	0.3071165	0.2854438	0.0216727	0.36176827	0.89054584
Cpne2	0.09958478	0.12813444	0.10646674	0.02166771	0.17152144	0.83588128
Mlycd	0.33740705	0.36675414	0.34509062	0.02166352	0.38496317	0.89054584
Xpo7	0.28666832	0.31799933	0.29634508	0.02165424	0.36676499	0.89054584
Stk3	0.25456667	0.28649396	0.26485145	0.02164251	0.35170983	0.89054584
Rab27a	0.58452634	0.58348412	0.56188636	0.02159777	0.42893736	0.89054584
Zfx	0.27516845	0.30671582	0.28511988	0.02159594	0.36208774	0.89054584
Emc3	0.6642826	0.64522451	0.62364817	0.02157635	0.43597372	0.89054584
Srrt	0.85701973	0.77603359	0.75451546	0.02151813	0.4471485	0.89054584
Frem1	0.07405202	0.10071928	0.07920688	0.0215124	0.10287161	0.63089369
Hsd11b2	0.07228566	0.09882758	0.07731963	0.02150795	0.09749216	0.61400582
Rasgrp3	0.06187844	0.08770501	0.0661971	0.02150791	0.06504801	0.47228321
Fmnl3	0.08501624	0.11242027	0.09091769	0.02150257	0.13525969	0.73693912
Gm26917	0.71640365	0.6831502	0.66165098	0.02149922	0.43983627	0.89054584

Prr29	0.02927526	0.05279188	0.03132743	0.02146445	0.00070611	0.01228952
Ska1	0.0704627	0.09683487	0.07537175	0.02146312	0.09230463	0.59240039
Gng3	0.07945802	0.10642146	0.08498184	0.02143963	0.11992136	0.69330539
Heatr5a	0.1067136	0.1353984	0.1139669	0.0214315	0.19048382	0.88259328
Samm50	0.92615592	0.81634975	0.79492422	0.02142553	0.45003533	0.89054584
Snrnp35	0.23134158	0.26318957	0.24176592	0.02142366	0.33986053	0.89054584
Dct	0.13075539	0.16049297	0.13910043	0.02139254	0.23683884	0.89054584
Gm4707	0.09411714	0.12202008	0.10063279	0.02138729	0.16104903	0.81128869
Ccng2	0.24876244	0.28046952	0.25910564	0.02136388	0.35043702	0.89054584
Cmip	0.65870876	0.64082863	0.6194721	0.02135653	0.43619686	0.89054584
Sc1t1	0.24495759	0.27668344	0.25533051	0.02135292	0.34840859	0.89054584
Cbx4	0.18735124	0.21871204	0.19738392	0.02132812	0.30733547	0.89054584
Itga1	0.05009259	0.07492	0.05359571	0.02132429	0.03189335	0.28228924
Gm26522	0.01944832	0.04210348	0.0208125	0.02129098	9.39E-07	2.94E-05
Rarg	0.12473044	0.15411027	0.13282198	0.02128829	0.22761616	0.89054584
Ctrc	0.04637451	0.07090357	0.04961933	0.02128424	0.02283366	0.22158129
Ube2h	0.3144899	0.34450206	0.32323477	0.02126729	0.37959836	0.89054584
Lgi1	0.02477776	0.0477805	0.02651523	0.02126526	9.33E-05	0.0019577
Mecr	0.36236794	0.3898256	0.36858446	0.02124114	0.39416112	0.89054584
Orc4	0.52213257	0.53188119	0.51064017	0.02124102	0.42316731	0.89054584
Zkscan17	0.13596806	0.16576168	0.14452135	0.02124033	0.24675861	0.89054584
Zfr2	0.1444294	0.17453714	0.1532983	0.02123884	0.25930909	0.89054584
Cdca5	0.05711909	0.08234181	0.06110905	0.02123275	0.05274722	0.40742101
Kcna5	0.05900931	0.08435339	0.06312992	0.02122348	0.0586419	0.43892115
Spns2	0.04934728	0.07402001	0.05279865	0.02122136	0.03056402	0.27268752
Mcoln3	0.09674557	0.12464848	0.10343758	0.0212109	0.1696973	0.83342527
Carkd	0.86062985	0.77791482	0.75671065	0.02120417	0.44806544	0.89054584
Pdcl	0.37053386	0.39737551	0.37619911	0.0211764	0.39656294	0.89054584
Limk2	0.27681007	0.30790185	0.28672618	0.02117567	0.3653938	0.89054584
Tubd1	0.08879579	0.11612705	0.09495297	0.02117408	0.14942031	0.77812345

Kctd20	0.62977016	0.61861836	0.5974494	0.02116896	0.43444184	0.89054584
Arhgap42	0.0824989	0.10938095	0.08822955	0.0211514	0.13201967	0.72831857
Rbpj	0.37944998	0.40561268	0.38447133	0.02114135	0.39890347	0.89054584
Pinx1	0.16821893	0.19894654	0.17782487	0.02112168	0.29000174	0.89054584
Mrc2	0.08362879	0.11055245	0.08943615	0.0211163	0.13566645	0.73849629
Nkd2	0.04851956	0.07302654	0.05191345	0.0211131	0.02906063	0.26316115
Prkch	0.08031138	0.106984	0.08589329	0.0210907	0.12631562	0.71147001
Glp1r	0.0183472	0.04071237	0.01963421	0.02107816	2.84E-07	9.59E-06
Susd6	0.17303416	0.20383399	0.18276153	0.02107246	0.29557256	0.89054584
Mns1	0.14141751	0.17120982	0.15017727	0.02103255	0.25704202	0.89054584
Icosl	0.04392423	0.06801989	0.04699861	0.02102128	0.01858799	0.19139826
Aldh1b1	0.15162079	0.18173735	0.16073582	0.02100152	0.27135142	0.89054584
Tnfrsf9	0.0286235	0.05161437	0.03063008	0.02098428	0.00070699	0.01229011
Adgrl3	0.14125684	0.17098966	0.15001068	0.02097898	0.25734494	0.89054584
Mrpl33	1.60359084	1.08257872	1.06160051	0.02097821	0.4633232	0.89054584
Map1lc3b	1.84441364	1.12453715	1.10356571	0.02097144	0.46472555	0.89054584
Cdk5rap3	0.72964424	0.69196739	0.67100068	0.02096671	0.44212743	0.89054584
Spred3	0.10780591	0.13605841	0.11511346	0.02094495	0.19830351	0.89054584
Fbxl12os	0.03205726	0.05524652	0.03430392	0.0209426	0.00222551	0.03302508
Pard3b	0.13664444	0.16614647	0.14522398	0.02092248	0.25104155	0.89054584
Prpf31	0.54817971	0.55325056	0.5323377	0.02091285	0.42738872	0.89054584
Lysmd3	0.3167348	0.34629135	0.32538776	0.02090359	0.3823555	0.89054584
Mfsd6l	0.06134702	0.08649313	0.06562902	0.02086411	0.06928691	0.49496101
Syne1	0.29040866	0.3208254	0.29998264	0.02084276	0.37308156	0.89054584
Hoxb7	0.10277796	0.13067174	0.10983221	0.02083953	0.18835193	0.87720084
Chtop	0.85253077	0.77259421	0.75177249	0.02082172	0.44866382	0.89054584
Garnl3	0.06758786	0.0931169	0.07229957	0.02081733	0.08988615	0.58125307
Al467606	0.23010505	0.26133651	0.24053002	0.02080649	0.34347012	0.89054584
Mbnl2	1.5303951	1.06452911	1.04375735	0.02077176	0.46306405	0.89054584
Magee1	0.15821371	0.18830308	0.16753698	0.0207661	0.28181003	0.89054584

Slc7a10	0.04442961	0.06827637	0.04753915	0.02073722	0.02106202	0.20845964
Thsd1	0.03380597	0.05690419	0.03617481	0.02072938	0.00379561	0.05230825
Actr2	0.76782179	0.71798625	0.69726136	0.02072489	0.44493093	0.89054584
Lsm3	0.91941028	0.81185049	0.79112966	0.02072083	0.45143985	0.89054584
Gm13373	0.03811065	0.06148136	0.04077995	0.02070141	0.00901382	0.10791272
Sh3rf1	0.10024288	0.12785552	0.10716593	0.02068959	0.18420361	0.8679181
Tprgl	0.84419801	0.76732902	0.74664151	0.02068751	0.44864432	0.89054584
Nacc1	0.18881201	0.21955141	0.19887106	0.02068035	0.31402359	0.89054584
Zfp184	0.07558534	0.1015245	0.08084501	0.0206795	0.11668567	0.68192309
Nfxl1	0.30816181	0.33783005	0.31715232	0.02067773	0.3806576	0.89054584
Slc16a3	0.09006439	0.11698314	0.0963072	0.02067594	0.15860299	0.80483939
Bckdha	0.54497704	0.55033546	0.52969321	0.02064225	0.42796408	0.89054584
Uri1	0.59712306	0.59256136	0.57192453	0.02063683	0.4332487	0.89054584
Nova2	0.06390035	0.08898849	0.06835836	0.02063013	0.07985615	0.54094194
Cypt3	0.03746164	0.06071093	0.04008567	0.02062526	0.00826129	0.09981018
Icos	0.02126265	0.04337643	0.02275395	0.02062248	1.21E-05	0.00031385
Arhgef12	0.29070134	0.32088608	0.30026698	0.0206191	0.37451224	0.89054584
Uros	0.24333184	0.27431415	0.2537154	0.02059875	0.3526217	0.89054584
Mogs	0.24487112	0.27583924	0.25524464	0.02059459	0.35349191	0.89054584
Pianp	0.16332249	0.19337119	0.17279518	0.02057602	0.28952427	0.89054584
Slc16a2	0.17230602	0.20257368	0.18201564	0.02055804	0.29937069	0.89054584
Utp23	0.18504626	0.21556369	0.19503546	0.02052823	0.31193555	0.89054584
Kat7	0.2691323	0.29972211	0.27920236	0.02051975	0.36602303	0.89054584
Ascc1	0.71034755	0.67784916	0.65733283	0.02051633	0.44219263	0.89054584
Fam184a	0.05356068	0.07781087	0.05730431	0.02050656	0.04773541	0.38067544
Slc30a4	0.10277329	0.13033001	0.1098273	0.02050271	0.19222193	0.88530942
Tbcc	0.71018362	0.67769507	0.65721558	0.02047949	0.44228547	0.89054584
Sgip1	0.03685967	0.05990253	0.03944169	0.02046083	0.00782711	0.09551972
Atl3	0.13851209	0.16761737	0.1471632	0.02045417	0.25863967	0.89054584
BC068281	0.08564739	0.11204451	0.09159161	0.02045291	0.14908469	0.77749274

Slc35f6	0.1061433	0.13380305	0.1133681	0.02043495	0.20051347	0.89054584
Hmbs	0.5066785	0.51798253	0.49756534	0.02041719	0.42419389	0.89054584
Haus1	0.29287579	0.3227928	0.30237816	0.02041464	0.37655475	0.89054584
Zfp1	0.20705522	0.2377262	0.21736691	0.02035929	0.33128362	0.89054584
Nr1h4	0.04382175	0.06724162	0.04688899	0.02035263	0.02157478	0.21220569
Nipal2	0.21204665	0.2427484	0.22240294	0.02034546	0.33498075	0.89054584
Tyw1	0.20907415	0.23972414	0.2194052	0.02031894	0.33306666	0.89054584
Ino80c	0.13406481	0.16285179	0.14254327	0.02030851	0.25341826	0.89054584
N4bp2l1	0.21996765	0.25064569	0.23037207	0.02027362	0.34090127	0.89054584
Snrpn	0.42786366	0.44887356	0.42861767	0.02025589	0.41286733	0.89054584
RP23-49l18.5	0.05766782	0.08194597	0.06169572	0.02025025	0.06310815	0.4620803
Slco2a1	0.10965888	0.13730362	0.11705744	0.02024618	0.21017699	0.89054584
Nme3	0.07491601	0.10036279	0.08012994	0.02023284	0.11972063	0.69262156
Palmd	0.08386031	0.10989715	0.08968337	0.02021378	0.14684044	0.77301841
Cttnbp2	0.08256561	0.10849	0.08830079	0.02018922	0.14338665	0.76511581
Bcat1	0.03639269	0.05909597	0.03894213	0.02015384	0.00795102	0.09686882
Ms4a6b	0.01912999	0.04059893	0.02047186	0.02012707	2.32E-06	6.86E-05
Scin	0.06416458	0.08876558	0.06864079	0.02012479	0.08597658	0.5671012
Mrpl35	0.74492717	0.70173085	0.68163839	0.02009246	0.44538487	0.89054584
Exoc3l2	0.0220455	0.04367744	0.02359163	0.0200858	3.65E-05	0.0008524
Cox16	0.17041744	0.20016381	0.18008001	0.02008381	0.30167179	0.89054584
Gm10020	0.93382209	0.81926795	0.79919599	0.02007196	0.45342598	0.89054584
Ddx5	3.63820376	1.03764237	1.01757292	0.02006945	0.46339364	0.89054584
Amica1	0.01754823	0.03884472	0.01877924	0.02006548	3.21E-07	1.08E-05
Gm14403	0.0604826	0.08476695	0.06470495	0.020062	0.07429624	0.51860709
Pced1a	0.08621769	0.1122378	0.09220053	0.02003727	0.15565106	0.79659772
Cpne8	0.08042596	0.1060215	0.08601568	0.02000582	0.13927276	0.74945915
D5Erttd579e	0.42446345	0.44555149	0.42556044	0.01999105	0.41338048	0.89054584
Ncln	0.38105864	0.40592134	0.38595911	0.01996223	0.4047909	0.89054584
Sik1	0.07013662	0.09498328	0.0750233	0.01995998	0.1075777	0.64845225

Ggt1	0.06892118	0.09367482	0.07372446	0.01995036	0.10370084	0.63356715
Ildr2	0.03438951	0.05674025	0.0367991	0.01994115	0.00579078	0.07384814
Chst1	0.04774424	0.07096805	0.05108427	0.01988378	0.03488333	0.30373211
Dkk3	0.06425758	0.08859513	0.06874019	0.01985494	0.08920129	0.57874406
Nr4a1	0.09069623	0.11682096	0.09698164	0.01983932	0.17027747	0.83373276
9430020K01l	0.05637909	0.08013183	0.06031786	0.01981397	0.0629554	0.46167296
Bpnt1	0.65931451	0.63972637	0.619927	0.01979937	0.44085639	0.89054584
Fbrsl1	0.1896918	0.21951079	0.19976631	0.01974448	0.3225859	0.89054584
Rasal3	0.03798107	0.0603715	0.04064133	0.01973017	0.01185552	0.13459772
Dbn1	1.09719295	0.90353162	0.8838133	0.01971832	0.45860717	0.89054584
Cdc42ep4	0.29565104	0.32477816	0.30506923	0.01970893	0.38171109	0.89054584
Cpox	0.34093816	0.36813365	0.34843448	0.01969917	0.39612155	0.89054584
Nagk	0.82782355	0.75605576	0.73641173	0.01964403	0.45054725	0.89054584
Apbb1ip	0.03831916	0.06061049	0.041003	0.01960749	0.01294394	0.14446595
Rundc3a	0.34808739	0.37476906	0.35518426	0.01958481	0.39863056	0.89054584
Arf6	0.56786971	0.56801449	0.54845173	0.01956277	0.43400759	0.89054584
Chrm2	0.03233742	0.05416228	0.03460365	0.01955862	0.00422774	0.05712373
Rp2	0.30746285	0.33603447	0.31647934	0.01955513	0.38672154	0.89054584
Sumf2	0.33903778	0.36618454	0.3466357	0.01954884	0.39637347	0.89054584
Zbtb33	0.08529359	0.11075556	0.09121384	0.01954172	0.15910699	0.8062012
Pigm	0.12821912	0.15599169	0.13645906	0.01953263	0.25242546	0.89054584
Haus2	0.18463927	0.21414436	0.19462057	0.01952379	0.32011689	0.89054584
Crim1	0.07462779	0.0993391	0.07982202	0.01951708	0.12732116	0.71435843
Smim6	0.124385	0.1519664	0.13246161	0.01950479	0.24634944	0.89054584
Mfsd12	0.10322581	0.12979334	0.11030299	0.01949036	0.20518941	0.89054584
Arhgef10l	0.06034603	0.08402943	0.06455896	0.01947047	0.07999583	0.54094194
Fam58b	0.27748755	0.30685621	0.2873887	0.01946752	0.37615552	0.89054584
Arfgap3	0.41570167	0.4371146	0.41765134	0.01946326	0.41405953	0.89054584
Guca2b	0.02013883	0.04100967	0.02155139	0.01945828	1.30E-05	0.00033401
Efhc1	0.08695972	0.11245013	0.09299277	0.01945735	0.16482625	0.81977734

Dmtn	0.04378021	0.06625788	0.04684456	0.01941332	0.02675645	0.24818618
Gm12166	0.34280986	0.36959506	0.35020423	0.01939083	0.39821664	0.89054584
Ucn3	0.03932872	0.0614591	0.04208297	0.01937613	0.01597236	0.1705208
Spag1	0.14774969	0.17609851	0.15673478	0.01936373	0.28244722	0.89054584
Rpl23a-ps3	2.6178418	1.14094413	1.12158542	0.0193587	0.46795403	0.89054584
Map2	0.39350168	0.41676778	0.39741941	0.01934838	0.41028159	0.89054584
Paqr4	0.06511707	0.08899487	0.06965886	0.019336	0.09796482	0.61511216
Armc6	0.14060973	0.16867493	0.14933961	0.01933532	0.27318683	0.89054584
Acp5	0.06541186	0.0893088	0.06997393	0.01933487	0.09898847	0.61772836
Dmrta1a	0.18445351	0.21374436	0.19443117	0.01931319	0.32176078	0.89054584
Ccar2	0.27726963	0.30648723	0.28717561	0.01931162	0.37702693	0.89054584
Gpn2	0.14948797	0.17784038	0.15853215	0.01930823	0.28521101	0.89054584
Tmem30a	0.91374887	0.80718934	0.78792233	0.01926701	0.45464873	0.89054584
Rasl11b	0.07674112	0.1013378	0.08207971	0.01925809	0.13717233	0.7420427
Mvk	0.20310604	0.23260549	0.213375	0.01923048	0.33728351	0.89054584
Tmem141	0.16661907	0.19540835	0.17618254	0.01922582	0.30558493	0.89054584
H2-T23	0.15780741	0.18633517	0.16711834	0.01921683	0.29607304	0.89054584
Ppcs	0.36669203	0.39182893	0.37262119	0.01920774	0.40510412	0.89054584
Eepd1	0.10796581	0.13448719	0.11528126	0.01920592	0.21882068	0.89054584
Pi4k2b	0.48453359	0.49775044	0.47857078	0.01917965	0.42594161	0.89054584
Efhd2	0.3309411	0.35810898	0.33895175	0.01915722	0.39615242	0.89054584
Erg	0.04627365	0.06866719	0.04951146	0.01915573	0.03573176	0.30938746
Hnrnpu	1.78568039	1.11484564	1.09569442	0.01915122	0.46754926	0.89054584
Cd2ap	0.61595842	0.60587595	0.58673861	0.01913734	0.43960995	0.89054584
Dlx1	0.01108753	0.03097921	0.0118655	0.01911371	3.07E-14	2.36E-12
Hmgcl	0.45630663	0.47303898	0.45392755	0.01911143	0.42224539	0.89054584
Igsf10	0.0899977	0.11533408	0.09623601	0.01909807	0.17759522	0.85004143
Serpinb6b	0.03494804	0.05649253	0.03739663	0.01909589	0.0086798	0.10429449
Ier5	0.33552729	0.36235635	0.34330802	0.01904833	0.39801061	0.89054584
Cybb	0.01673426	0.03695107	0.0179082	0.01904286	3.63E-07	1.21E-05

Mpeg1	0.01673426	0.03695107	0.0179082	0.01904286	3.63E-07	1.21E-05
Med9	0.5610975	0.56197115	0.54293816	0.01903299	0.43513259	0.89054584
Cpz	0.06904279	0.09288532	0.07385441	0.01903091	0.11496827	0.67619067
Zfp763	0.09324252	0.11872434	0.09969938	0.01902495	0.18699243	0.87419127
Kbtbd4	0.21573867	0.24513901	0.22612086	0.01901815	0.34758615	0.89054584
Atrnl1	0.12007466	0.14694481	0.12796121	0.0189836	0.2447281	0.89054584
Tmem199	0.54728392	0.55058051	0.53159856	0.01898195	0.43393753	0.89054584
Kirrel2	0.05865297	0.08170309	0.06274896	0.01895413	0.07967029	0.54059058
Rab5a	0.94461069	0.82408908	0.80513622	0.01895285	0.45633509	0.89054584
Efna5	0.13915903	0.16677597	0.14783461	0.01894136	0.27527759	0.89054584
Fam181b	0.09019378	0.11538498	0.09644531	0.01893967	0.18011934	0.85660801
Gga3	0.15961794	0.1879221	0.16898333	0.01893877	0.30078298	0.89054584
Sbsn	0.1481038	0.17603265	0.15710102	0.01893163	0.28725197	0.89054584
Obfc1	0.21693868	0.24625875	0.22732799	0.01893077	0.34901767	0.89054584
Rin3	0.07493837	0.09906199	0.08015383	0.01890816	0.13587601	0.73849629
Asxl3	0.1292775	0.15643546	0.1375616	0.01887386	0.26133972	0.89054584
Wwc2	0.16165971	0.18994236	0.17108492	0.01885744	0.3037935	0.89054584
Dhx34	0.09090127	0.11605215	0.09720051	0.01885164	0.18310843	0.86510504
Impa2	0.10963357	0.13587754	0.1170309	0.01884664	0.22654446	0.89054584
Dgat2	0.1104523	0.13673476	0.11788945	0.01884531	0.22820884	0.89054584
Arhgef33	0.02576919	0.04641398	0.02757606	0.01883792	0.00072969	0.01263923
Eif5a	3.1629344	1.0980855	1.07926522	0.01882027	0.46762443	0.89054584
Triobp	0.67628692	0.65137563	0.6325684	0.01880723	0.44491573	0.89054584
Usp11	0.21182096	0.24097134	0.22217546	0.01879588	0.34673777	0.89054584
Camk4	0.0994493	0.12510607	0.10632221	0.01878386	0.20522802	0.89054584
Lmf2	0.2290705	0.25825445	0.23949551	0.01875894	0.35758542	0.89054584
Gm14966	0.06636	0.08974416	0.07098729	0.01875687	0.10915671	0.65377127
Fam69b	0.19819469	0.22713958	0.20840146	0.01873812	0.3376439	0.89054584
Pcmd1	0.49806431	0.50893999	0.49021202	0.01872797	0.42936567	0.89054584
Lsm11	0.06028131	0.08320886	0.06448976	0.01871909	0.08813559	0.57428752

Capn3	0.0255977	0.04609235	0.02739257	0.01869978	0.00073519	0.01267387
Bmf	0.09553791	0.12084744	0.10214895	0.01869849	0.19687818	0.89054584
Lrrc8c	0.07923993	0.10341433	0.0847489	0.01866544	0.15242128	0.7857996
Ncaph	0.06313367	0.08619821	0.06753886	0.01865935	0.0990206	0.61772836
Zbtb7b	0.12641927	0.15323279	0.13458315	0.01864964	0.25926759	0.89054584
Rpl13a-ps1	0.15604773	0.18395244	0.16530447	0.01864796	0.29959205	0.89054584
Acsl4	0.06864497	0.09207566	0.07342929	0.01864637	0.11838969	0.68821721
Gltd2	0.07429702	0.09811176	0.07946864	0.01864312	0.13720251	0.7420427
Zfp146	0.19804143	0.22686862	0.2082461	0.01862252	0.33847512	0.89054584
Foxk2	0.18704665	0.2156938	0.19707371	0.0186201	0.32989965	0.89054584
Efnb3	0.13503731	0.16215562	0.14355418	0.01860144	0.27302306	0.89054584
Qtrtd1	0.09057973	0.11545138	0.09685728	0.01859409	0.18555498	0.87060715
Cx3cr1	0.01575264	0.03544923	0.01685777	0.01859146	1.39E-07	4.86E-06
Gpd1l	0.14497253	0.17244866	0.15386073	0.01858792	0.28676955	0.89054584
Clca3a1	0.0440479	0.06569551	0.04713088	0.01856463	0.03324286	0.29227103
Ndfip1	0.43826028	0.45646399	0.43792336	0.01854063	0.42181654	0.89054584
Haus7	0.40337704	0.42497743	0.40645409	0.01852334	0.41592791	0.89054584
Rbfox3	0.10567906	0.13139196	0.11288059	0.01851138	0.22242664	0.89054584
Dlg5	0.13527304	0.16230148	0.14379917	0.01850231	0.2744346	0.89054584
Cfp	0.03916442	0.06040403	0.04190721	0.01849682	0.01987472	0.20051753
Cd46	0.02448274	0.04469312	0.02619956	0.01849357	0.0005034	0.00908871
Rbm43	0.07441472	0.09804406	0.07959439	0.01844967	0.14008794	0.75194185
Tsen2	0.24338868	0.27220487	0.2537719	0.01843297	0.36752834	0.89054584
Nsmce1	0.95264483	0.82792007	0.80951761	0.01840246	0.45782691	0.89054584
Nr4a2	0.08777176	0.1122246	0.09385973	0.01836486	0.1809945	0.85950156
Fer	0.31228793	0.33947547	0.32112045	0.01835502	0.3950034	0.89054584
Selt	1.02754364	0.86696531	0.84865437	0.01831094	0.45996442	0.89054584
Them6	0.07167481	0.09497702	0.07666694	0.01831007	0.1329236	0.72977796
Il6st	0.39598098	0.41797286	0.39969286	0.01828	0.41563337	0.89054584
Tnfrsf12a	0.30705297	0.33434507	0.31608458	0.01826049	0.39390668	0.89054584

Magt1	0.95076514	0.82675119	0.80849676	0.01825443	0.45811226	0.89054584
Melk	0.06919429	0.09226267	0.07401631	0.01824636	0.12537835	0.7081958
Lynx1	0.08183824	0.10575288	0.08752399	0.01822889	0.16594057	0.82390627
Stard4	0.18737695	0.21563166	0.1974101	0.01822157	0.33358517	0.89054584
Pbxip1	0.47509182	0.4885988	0.47038096	0.01821784	0.42840334	0.89054584
Prpsap2	0.34043598	0.3661713	0.34795933	0.01821198	0.403675	0.89054584
Smtn	0.11539051	0.14126868	0.1230626	0.01820609	0.24533248	0.89054584
Gm43194	0.12175526	0.14791521	0.12971674	0.01819847	0.25667797	0.89054584
Usp51	0.22096409	0.24957011	0.23137258	0.01819753	0.35702317	0.89054584
Cspg4	0.05179812	0.0736069	0.05541956	0.01818734	0.06313844	0.4620803
Snx24	0.33220504	0.35832441	0.34015344	0.01817097	0.4017267	0.89054584
Comtd1	0.18793311	0.21613755	0.19797639	0.01816116	0.33455014	0.89054584
Magi1	0.11577488	0.14162536	0.12346488	0.01816049	0.24658203	0.89054584
Lpin3	0.02639455	0.0463966	0.02824518	0.01815142	0.00137668	0.02176563
Cd40	0.07675278	0.10024152	0.08209217	0.01814936	0.1514997	0.78379829
Tec	0.03110202	0.05142958	0.03328191	0.01814767	0.0055365	0.07134953
Crispld2	0.06010541	0.08243915	0.06430172	0.01813743	0.09440019	0.60001264
Ythdc2	0.18916253	0.21735886	0.19922778	0.01813108	0.33578465	0.89054584
Myt1	0.35350531	0.37839939	0.36028118	0.01811821	0.40737843	0.89054584
Clcn3	0.68139447	0.65444516	0.6363334	0.01811177	0.44725247	0.89054584
Krr1	0.34789154	0.37309949	0.35499971	0.01809977	0.40611987	0.89054584
Itgb1bp1	0.54697761	0.54943853	0.5313457	0.01809283	0.43697571	0.89054584
Gm10334	0.02971709	0.04988248	0.03180016	0.01808232	0.00403432	0.05507498
Prmt7	0.47551608	0.48880767	0.47075015	0.01805752	0.42908172	0.89054584
Chsy1	0.10091066	0.12591076	0.1078685	0.01804227	0.21791259	0.89054584
Arhgef16	0.19412785	0.22231743	0.20427523	0.01804219	0.34035609	0.89054584
Itpa	0.87980663	0.78625172	0.76821412	0.0180376	0.45644598	0.89054584
Fam160a2	0.23110593	0.25955432	0.24153041	0.01802391	0.36404487	0.89054584
Gm13524	0.02197076	0.04152639	0.02351166	0.01801473	0.0001787	0.00354409
Ngf	0.04943682	0.07088865	0.05289441	0.01799424	0.05649071	0.42812458

Tlx2	0.0137205	0.03266758	0.01468313	0.01798445	5.77E-09	2.41E-07
Ttc23	0.12341667	0.14942813	0.13145119	0.01797694	0.2620151	0.89054584
Commd9	0.66875869	0.64494123	0.62698607	0.01795516	0.44693089	0.89054584
Nanos1	0.13295882	0.15933195	0.14139316	0.0179388	0.27723075	0.89054584
C130074G19	0.04775919	0.06903535	0.05110026	0.01793509	0.05100481	0.39853675
Dtnbos	0.18047927	0.20830869	0.19037574	0.01793295	0.33038098	0.89054584
Gpr22	0.01328976	0.03215233	0.01422219	0.01793015	2.13E-09	9.63E-08
Kmt2d	0.31669616	0.34326496	0.32535072	0.01791424	0.3987718	0.89054584
Erich5	0.07965962	0.1031081	0.08519717	0.01791093	0.16367997	0.81785018
Rubcn	0.11396927	0.1394844	0.12157466	0.01790974	0.24625233	0.89054584
Sh2b3	0.19197001	0.21995237	0.20208299	0.01786938	0.34018025	0.89054584
Chrna4	0.02573745	0.04541118	0.0275421	0.01786908	0.00125273	0.02014245
Sp2	0.11894818	0.14464965	0.1267839	0.01786575	0.25574659	0.89054584
Gas2	0.13229663	0.15856784	0.14070433	0.01786351	0.27709645	0.89054584
Thsd7a	0.02449923	0.04405599	0.0262172	0.01783879	0.00076206	0.01307501
P2rx1	0.03671213	0.05711782	0.03928386	0.01783396	0.01721281	0.18122826
Rcan2	0.25023119	0.27839341	0.26056111	0.0178323	0.3749205	0.89054584
9330182L06F	0.0828959	0.1064522	0.08865351	0.01779869	0.17480108	0.84226179
Zfand5	1.02579463	0.86552739	0.84773742	0.01778996	0.46105788	0.89054584
Men1	0.32365238	0.3497815	0.3320057	0.0177758	0.40150918	0.89054584
Smc6	1.3882662	1.01949519	1.00171984	0.01777535	0.46705612	0.89054584
Adgra3	0.1724739	0.1999373	0.18218764	0.01774966	0.32495109	0.89054584
Ovol2	0.2501729	0.2782344	0.26050337	0.01773103	0.37558065	0.89054584
Zfp9	0.25873588	0.28667983	0.26896912	0.01771072	0.37950705	0.89054584
Itgb5	0.12908828	0.15505832	0.13736452	0.0176938	0.27421519	0.89054584
Cdadc1	0.21594464	0.24401988	0.2263281	0.01769178	0.35786048	0.89054584
Camsap2	0.21708983	0.24516231	0.22748	0.01768231	0.35862166	0.89054584
Chka	0.9323952	0.81607051	0.79840416	0.01766635	0.45894628	0.89054584
Dmkn	0.03029029	0.05007448	0.03241344	0.01766104	0.00556633	0.07167018
Tnnt2	0.02379586	0.04310828	0.02546459	0.01764369	0.00062319	0.01103175

Atp7a	0.2608317	0.28867103	0.27103621	0.01763482	0.38089484	0.89054584
Ints3	0.2900349	0.31725223	0.29961946	0.01763277	0.39197265	0.89054584
Kcnab1	0.04785928	0.06882821	0.0512073	0.01762091	0.0544469	0.41633498
Arhgap23	0.08425207	0.10772131	0.09010172	0.01761959	0.18113024	0.8598645
Celf5	0.04629258	0.06714586	0.04953171	0.01761415	0.04878171	0.38689129
Runx2	0.01367609	0.03224387	0.01463561	0.01760826	1.04E-08	4.26E-07
Pcdhga6	0.01560824	0.03430298	0.01670325	0.01759973	4.58E-07	1.51E-05
Prkci	0.1230965	0.14871531	0.13111703	0.01759828	0.26588241	0.89054584
Nprl2	0.35952752	0.38351125	0.36592797	0.01758329	0.41143008	0.89054584
Slc39a8	0.05154299	0.07272712	0.05514674	0.01758038	0.06874061	0.49190594
Sh3gl1	0.65620861	0.63513252	0.6175919	0.01754062	0.44736498	0.89054584
Alg3	0.2109205	0.23879228	0.22126768	0.0175246	0.35606675	0.89054584
Gm11266	0.05511618	0.07648167	0.05896754	0.01751413	0.08321506	0.55545668
Slc15a3	0.02333195	0.04247066	0.02496819	0.01750247	0.00054563	0.0097782
Hivep1	0.14779699	0.17428243	0.1567837	0.01749873	0.30153613	0.89054584
Zfp809	0.10117949	0.12564264	0.10815128	0.01749136	0.22557696	0.89054584
Sar1a	1.34678986	1.00505875	0.98758065	0.0174781	0.46714306	0.89054584
Nrsn1	0.04018297	0.0604661	0.04299677	0.01746933	0.0291856	0.26412785
A930033H14	0.06417177	0.08611164	0.06864848	0.01746316	0.11797589	0.68746563
Igsf23	0.01424523	0.03266707	0.01524467	0.0174224	5.06E-08	1.87E-06
Sec31a	0.79717529	0.73413096	0.71674008	0.01739088	0.45499787	0.89054584
Ccdc90b	0.57030009	0.56780488	0.55042302	0.01738185	0.44151665	0.89054584
Zgpat	0.19842597	0.22601747	0.20863591	0.01738156	0.34895673	0.89054584
Ebf3	0.06105959	0.08269389	0.06532176	0.01737213	0.10766693	0.64850649
Dnaja1	3.18713705	1.09417193	1.0768061	0.01736583	0.47005344	0.89054584
Ccdc138	0.02583285	0.04498205	0.02764418	0.01733787	0.00173899	0.02667926
Kcne4	0.02981297	0.04922532	0.03190274	0.01732258	0.00570775	0.07297259
Parm1	0.43687549	0.4540035	0.43668757	0.01731593	0.42671626	0.89054584
Prkar2b	0.41108363	0.43077212	0.41346588	0.01730624	0.42269374	0.89054584
Neur12	0.03714323	0.05704584	0.03974504	0.01730079	0.02127957	0.20972887

B3gnt5	0.03753673	0.05745381	0.040166	0.01728781	0.02246812	0.2193554
Negr1	0.02138613	0.04016935	0.02288609	0.01728327	0.0002171	0.00424771
Sema3a	0.05146197	0.07231017	0.0550601	0.01725007	0.07219664	0.50860393
Agfg2	0.19050549	0.21784081	0.20059399	0.01724683	0.34436832	0.89054584
Gls2	0.0155199	0.0338522	0.01660871	0.01724348	6.59E-07	2.12E-05
Pkp2	0.14273801	0.16877999	0.15154605	0.01723393	0.29811896	0.89054584
2410021H03	0.05752296	0.07876257	0.06154085	0.01722172	0.09615633	0.60929827
Tns2	0.10553599	0.12995194	0.11273033	0.01722161	0.23831347	0.89054584
Mccc1	0.19045525	0.21774725	0.20054289	0.01720436	0.34469407	0.89054584
Ctnnb1	1.77211298	1.11080622	1.09366625	0.01713997	0.47089707	0.89054584
Dlgap3	0.04530944	0.06561561	0.04848019	0.01713541	0.0498087	0.39214348
Kif1a	0.21315985	0.240633	0.22352458	0.01710842	0.36069858	0.89054584
Tmprss2	0.03363666	0.0530711	0.03599367	0.01707743	0.01353647	0.14890122
Naaa	0.14464249	0.17059071	0.15351898	0.01707174	0.30219872	0.89054584
Tnfrsf1b	0.01428732	0.03235999	0.0152897	0.01707028	9.88E-08	3.55E-06
Dll4	0.13703835	0.16269735	0.1456331	0.01706425	0.29256677	0.89054584
Gm19412	0.13842783	0.16413891	0.14707574	0.01706317	0.29442177	0.89054584
Tlr7	0.01426362	0.03231892	0.01526435	0.01705458	9.68E-08	3.48E-06
Insrr	0.18533781	0.21238475	0.19533264	0.01705211	0.34210851	0.89054584
Arrb1	0.07124139	0.09323039	0.07620382	0.01702656	0.14894518	0.7773244
Dgat1	0.20712545	0.23445778	0.21743785	0.01701994	0.35767573	0.89054584
Myc	0.07705347	0.09943269	0.08241337	0.01701931	0.1679934	0.82983589
Smim10l1	0.97826699	0.84020978	0.82320153	0.01700826	0.46165748	0.89054584
Syde2	0.07148615	0.09346469	0.07646535	0.01699934	0.15015966	0.77912292
Cdca7l	0.09993764	0.12384185	0.10684317	0.01699867	0.2292757	0.89054584
Fbxo32	0.15002014	0.17607044	0.15908216	0.01698828	0.30940932	0.89054584
Doc2b	0.04794616	0.06826383	0.05130021	0.01696361	0.06170857	0.45559551
Rnf144b	0.02202043	0.04052719	0.02356482	0.01696237	0.00039886	0.00734765
Alg6	0.16106964	0.18741777	0.17047774	0.01694003	0.32170023	0.89054584
Blnk	0.09004015	0.11322125	0.09628132	0.01693993	0.2061925	0.89054584

Tlx1	0.02791909	0.04680683	0.0298764	0.01693043	0.00414359	0.05614367
Gm13199	0.01738692	0.03553193	0.01860663	0.01692531	1.13E-05	0.00029568
Urah	0.10431374	0.12836106	0.11144634	0.01691472	0.23974945	0.89054584
Tjp3	0.06947922	0.09123422	0.0743208	0.01691342	0.14451538	0.76718564
Rilpl1	0.23892379	0.26623384	0.24933004	0.0169038	0.37605372	0.89054584
Fosl2	0.09109438	0.11429486	0.09740663	0.01688823	0.20961407	0.89054584
Gpr160	0.03230101	0.05143513	0.0345647	0.01687043	0.01148456	0.13125935
Pyurf	0.46199359	0.47580097	0.45893066	0.0168703	0.43200857	0.89054584
Sez6l	0.09239084	0.11565842	0.0987904	0.01686802	0.21316332	0.89054584
Smpdl3a	0.32805894	0.35307353	0.33620842	0.01686511	0.40760705	0.89054584
Tcf15	0.03586048	0.05522215	0.03837277	0.01684938	0.02039155	0.20391333
Dscr3	0.32237035	0.34761884	0.33078108	0.01683776	0.40626856	0.89054584
Plcb4	0.27193245	0.29874554	0.28194968	0.01679586	0.39068466	0.89054584
Pusl1	0.21302928	0.24018123	0.22339305	0.01678817	0.36312309	0.89054584
Kptn	0.24452151	0.27168142	0.25489741	0.01678401	0.37950798	0.89054584
Rnaset2b	0.35631801	0.37968179	0.36292099	0.0167608	0.41481968	0.89054584
Rraga	1.44894581	1.03768779	1.02095566	0.01673213	0.46956874	0.89054584
Cyb5r4	0.71763265	0.67925166	0.6625241	0.01672756	0.45318042	0.89054584
Gtf2f2	0.52372057	0.52868499	0.51197546	0.01670953	0.43957157	0.89054584
Hfe	0.07137611	0.0930527	0.07634777	0.01670492	0.15401172	0.79121355
Tcf24	0.01346604	0.03110178	0.01441083	0.01669094	3.41E-08	1.30E-06
Sh3gl3	0.05662431	0.07726613	0.06058004	0.01668609	0.09970176	0.62085259
Snhg12	0.3423174	0.36641203	0.34973878	0.01667325	0.412115	0.89054584
Msr1	0.0126527	0.03019076	0.01354045	0.01665031	5.05E-09	2.15E-07
Pou2f2	0.0226279	0.040862	0.02421483	0.01664717	0.00068021	0.01188147
Fcgr1	0.01292358	0.03045714	0.01383033	0.01662681	1.07E-08	4.33E-07
Kctd1	0.14732349	0.17291259	0.15629391	0.01661868	0.31016468	0.89054584
Mcmcdc2	0.02734542	0.04586782	0.0292626	0.01660522	0.00409977	0.05565396
Fbxo10	0.05973009	0.08050498	0.06390049	0.01660449	0.11302021	0.66962283
Gm29666	0.02673207	0.04518847	0.02860633	0.01658214	0.00346037	0.04842517

Rab7b	0.07104511	0.09256327	0.07599409	0.01656919	0.15486211	0.79391473
Klhl5	0.04412256	0.06377659	0.04721074	0.01656585	0.05104723	0.39853675
Snip2	0.595601	0.5872804	0.57071728	0.01656312	0.44622299	0.89054584
Amot	0.05673082	0.07724691	0.06069393	0.01655299	0.10193053	0.62777773
Elavl3	0.0452072	0.06483886	0.04837084	0.01646802	0.05635238	0.42729956
Hist2h2aa1	0.06425363	0.08518151	0.06873598	0.01644553	0.13249331	0.72954347
Itga2	0.02877304	0.04722947	0.03079009	0.01643938	0.00643236	0.08053629
Meox2	0.03650438	0.05548335	0.03906161	0.01642174	0.02507704	0.23638944
Sugp1	0.18316036	0.2095241	0.19311233	0.01641177	0.34607354	0.89054584
Zfp57	0.11350206	0.13749286	0.12108537	0.01640749	0.26392125	0.89054584
Abca8a	0.05174173	0.07176039	0.05535927	0.01640112	0.08374867	0.55824743
Itga9	0.06536199	0.08630495	0.06992063	0.01638432	0.13747865	0.74288686
Nrbf2	0.46757434	0.48019255	0.46382124	0.01637132	0.43469048	0.89054584
Ptpn13	0.18472282	0.21100959	0.19470574	0.01630385	0.34822375	0.89054584
Aifm3	0.05106142	0.07090763	0.05463176	0.01627587	0.0825701	0.55242329
Itga4	0.07427068	0.0956964	0.0794405	0.01625591	0.17020413	0.83373276
Krtcap3	0.36455144	0.38686133	0.37062412	0.0162372	0.41913368	0.89054584
Ufd1l	0.54457831	0.54559847	0.52936355	0.01623491	0.44319095	0.89054584
Atad5	0.11084645	0.13450674	0.11830269	0.01620406	0.2616911	0.89054584
Ube2v1	0.11220181	0.13592526	0.11972322	0.01620204	0.26418689	0.89054584
Clec2i	0.02068299	0.03833523	0.02213367	0.01620156	0.00032448	0.00609362
5033428I22R	0.05879935	0.0791048	0.06290546	0.01619934	0.11511532	0.67639855
Pomc	0.16967668	0.19551829	0.17932039	0.0161979	0.33693622	0.89054584
Sorbs3	0.10616166	0.12957731	0.11338739	0.01618992	0.25295395	0.89054584
Dgkd	0.27290857	0.29908935	0.28290649	0.01618287	0.39492647	0.89054584
Gtf3c4	0.21960024	0.24617861	0.23000305	0.01617557	0.37158732	0.89054584
Spns3	0.02044142	0.0380494	0.02187518	0.01617421	0.00028579	0.00543353
Adprhl2	0.43134958	0.44791314	0.43174491	0.01616822	0.4307478	0.89054584
Hpn	0.19293699	0.21923322	0.20306563	0.01616758	0.35534357	0.89054584
Gtf2f1	0.47883685	0.48979872	0.47363599	0.01616273	0.43684018	0.89054584

Plekhh1	0.07145851	0.09258589	0.07643581	0.01615007	0.16246321	0.81501438
Ehbp1l1	0.10104435	0.12413229	0.10800914	0.01612315	0.24338129	0.89054584
Ces2g	0.02250584	0.04020097	0.02408422	0.01611675	0.00091139	0.01527557
Snx13	0.09133512	0.11377751	0.09766359	0.01611392	0.22103635	0.89054584
Zranb2	1.11301508	0.90750135	0.89138944	0.01611191	0.46644449	0.89054584
Hgf	0.05331111	0.07314626	0.05703743	0.01610883	0.09411981	0.59930619
Pbdc1	0.91760019	0.80618936	0.79010575	0.0160836	0.46222149	0.89054584
Telo2	0.22625072	0.25275638	0.23667336	0.01608303	0.37577502	0.89054584
Eif2b4	0.37884973	0.39999796	0.38391582	0.01608214	0.42263308	0.89054584
Shisa2	0.08500022	0.10697466	0.09090059	0.01607407	0.20501333	0.89054584
Nol9	0.11966643	0.14360306	0.12753461	0.01606845	0.27860408	0.89054584
Chmp4b	1.09621954	0.89939024	0.88334133	0.01604891	0.46627159	0.89054584
Hbegf	0.0822953	0.10405333	0.08801212	0.01604121	0.19790032	0.89054584
Slc52a3	0.02204261	0.03962915	0.02358855	0.0160406	0.00076705	0.01314494
Osgep	0.6867141	0.6562578	0.64023596	0.01602184	0.45359268	0.89054584
Tlcd2	0.15055183	0.17563797	0.15963158	0.01600639	0.32019421	0.89054584
Prelp	0.08660744	0.10862286	0.09261666	0.0160062	0.21036143	0.89054584
2210019111R	0.09029899	0.11255784	0.09655762	0.01600021	0.22005238	0.89054584
Arhgap9	0.03094577	0.04910179	0.03311475	0.01598705	0.01224891	0.1379834
Spice1	0.18188079	0.20777357	0.19180665	0.01596692	0.34906981	0.89054584
Piezo2	0.09297543	0.1153664	0.09941433	0.01595207	0.22735803	0.89054584
Col2a1	0.0248713	0.0425619	0.02661531	0.01594659	0.00262396	0.03819499
Car5b	0.02568411	0.043428	0.02748502	0.01594298	0.00344134	0.0482684
Ezh1	0.25244978	0.27869951	0.26275771	0.01594179	0.3887176	0.89054584
Fitm2	0.28854939	0.31411538	0.29817533	0.01594006	0.40165687	0.89054584
Mppe1	0.01854349	0.03577812	0.01984425	0.01593386	9.17E-05	0.00193214
Gm14424	0.01582633	0.03283232	0.01693663	0.01589569	6.14E-06	0.00016856
Tcirg1	0.10865481	0.1318876	0.11600421	0.01588339	0.26176751	0.89054584
Sco2	0.16847367	0.193967	0.17808627	0.01588073	0.33890328	0.89054584
Bcas3	0.08597593	0.10780267	0.0919424	0.01586028	0.21079143	0.89054584

Zeb2os	0.06890036	0.08952793	0.07370221	0.01582571	0.15856051	0.80483939
Asrgl1	0.20216139	0.22824053	0.21241921	0.01582132	0.36429366	0.89054584
Clmn	0.13970561	0.16421716	0.14840176	0.01581541	0.30976708	0.89054584
Pde1a	0.05569	0.07537954	0.05958109	0.01579845	0.10834849	0.65152897
lldr1	0.39039028	0.41035217	0.3945614	0.01579077	0.42604366	0.89054584
Tnfaip6	0.04303996	0.06184194	0.04605278	0.01578916	0.05509788	0.4206472
Tor3a	0.09647072	0.11892875	0.10314431	0.01578444	0.23793217	0.89054584
BC030336	0.10601133	0.1289961	0.11322953	0.01576657	0.25825612	0.89054584
Ciapi1	0.98906788	0.84459874	0.82885266	0.01574608	0.46473648	0.89054584
Mpzl2	0.0528852	0.07230222	0.05658201	0.01572021	0.09776427	0.61452179
Pnpla2	0.28911605	0.31443792	0.29872633	0.01571158	0.40321346	0.89054584
Kctd14	0.03281055	0.05081778	0.03510984	0.01570794	0.01856267	0.19127335
Letm2	0.05026327	0.06946464	0.05377823	0.01568641	0.08708079	0.57045578
Slc16a1	0.09560981	0.11789957	0.10222568	0.01567389	0.23750896	0.89054584
Mmd2	0.18640045	0.21208176	0.19641547	0.01566629	0.35509468	0.89054584
Atg16l2	0.10941054	0.13245854	0.11679698	0.01566157	0.26607487	0.89054584
B4galt2	0.09897139	0.12147285	0.10581236	0.01566049	0.24524339	0.89054584
Irf5	0.02382312	0.04114638	0.02549375	0.01565263	0.00211492	0.03164306
Cdon	0.17696229	0.20242725	0.18678162	0.01564563	0.34817476	0.89054584
0610009L18F	0.20813481	0.23409427	0.21845708	0.0156372	0.36938304	0.89054584
0610030E20I	0.31836782	0.34258647	0.32695227	0.0156342	0.4118529	0.89054584
Tmem164	0.32796399	0.35173962	0.33611797	0.01562165	0.4142865	0.89054584
Lix1	0.02317986	0.0404135	0.02480545	0.01560806	0.00168668	0.0259316
Pcf11	0.30082688	0.32566994	0.31007773	0.01559221	0.40738611	0.89054584
1500011B03I	0.89770723	0.79429671	0.77871136	0.01558535	0.4628543	0.89054584
Arid3a	0.25709916	0.28293688	0.26735347	0.01558341	0.39298062	0.89054584
Prep	0.22615086	0.25214242	0.23657335	0.01556907	0.37957071	0.89054584
Mrps9	0.46714047	0.47900499	0.46344171	0.01556328	0.43783665	0.89054584
Stxbp3	0.43524712	0.45078717	0.43523295	0.01555422	0.43388181	0.89054584
Aldh5a1	0.2456561	0.27156253	0.25602408	0.01553845	0.38868139	0.89054584

Ubc	3.19826585	1.09111757	1.07557912	0.01553844	0.47316914	0.89054584
Fbxl20	0.18932917	0.21492772	0.19939735	0.01553037	0.35835146	0.89054584
Cwc25	0.39463141	0.41398266	0.39845577	0.01552689	0.4279687	0.89054584
Ptf1a	0.01675715	0.03345425	0.0179327	0.01552155	2.76E-05	0.00066337
Scrn1	0.20913374	0.23496763	0.21946534	0.01550229	0.37104313	0.89054584
Top1	1.73777836	1.10365394	1.0881574	0.01549654	0.47355023	0.89054584
Aplf	0.114197	0.13729841	0.12181313	0.01548528	0.27683839	0.89054584
Ripk3	0.08587562	0.10730236	0.0918353	0.01546707	0.21632434	0.89054584
Ntm	0.04730768	0.06607034	0.05061737	0.01545297	0.07746566	0.53076426
Abcb4	0.0137865	0.03020429	0.01475376	0.01545053	5.33E-07	1.74E-05
Mterf3	0.42886105	0.44495687	0.42951317	0.0154437	0.43348113	0.89054584
St7	0.09221894	0.11405029	0.09860693	0.01544336	0.23279853	0.89054584
Mex3b	0.14223881	0.16645271	0.15102869	0.01542402	0.31710803	0.89054584
Gcnt2	0.25893482	0.28458736	0.26916542	0.01542194	0.39475924	0.89054584
Dusp22	0.17128697	0.19637751	0.18097138	0.01540613	0.34582512	0.89054584
Rsad1	0.0470728	0.06576693	0.05036616	0.01540077	0.07713748	0.52951666
Nsun4	0.10844234	0.13117259	0.11578129	0.0153913	0.26784852	0.89054584
Slc2a8	0.14709714	0.1714499	0.15605974	0.01539016	0.32295503	0.89054584
Rrm2b	0.20370184	0.22936017	0.21397764	0.01538252	0.36884116	0.89054584
1110012L19F	0.45758345	0.47043365	0.45505254	0.01538111	0.437435	0.89054584
Jak3	0.04798753	0.06670842	0.05134446	0.01536396	0.08164231	0.54874839
Mapk1ip1	0.29011292	0.31505725	0.29969527	0.01536197	0.40562607	0.89054584
Cdk16	0.60759511	0.59550249	0.58019014	0.01531235	0.45106997	0.89054584
Bzw1	1.62798943	1.08231617	1.06701786	0.01529831	0.47337152	0.89054584
2610020C07I	0.06243916	0.08209074	0.06679648	0.01529426	0.14304271	0.76440591
Mrm1	0.11102451	0.13378163	0.11848935	0.01529228	0.27382519	0.89054584
Zmat5	0.33289621	0.35607651	0.3408102	0.01526631	0.41734381	0.89054584
Gm20649	0.02237979	0.03920831	0.02394934	0.01525897	0.00149689	0.02348698
Hecw2	0.03818632	0.05611864	0.0408609	0.01525774	0.04095756	0.34167394
Acot2	0.12786149	0.15133926	0.13608643	0.01525284	0.3007713	0.89054584

Sash1	0.21151435	0.23711906	0.2218664	0.01525266	0.37437487	0.89054584
Ankrd24	0.21887972	0.24449344	0.22927919	0.01521426	0.37860262	0.89054584
Slc16a9	0.10848224	0.1310328	0.11582315	0.01520965	0.27033429	0.89054584
Lipo1	0.10118679	0.12336147	0.10815897	0.01520251	0.25628309	0.89054584
Adar	0.12044342	0.14354769	0.12834651	0.01520118	0.29054319	0.89054584
Lbp	0.14100904	0.16495418	0.14975372	0.01520046	0.31814339	0.89054584
Gpr182	0.05242808	0.07129099	0.05609321	0.01519778	0.10342327	0.63276555
Ptprd	0.18266331	0.20779529	0.19260522	0.01519007	0.3566478	0.89054584
Dlgap1	0.01631086	0.03263625	0.01745513	0.01518111	2.54E-05	0.00061665
Stat6	0.15314382	0.17748924	0.16230842	0.01518081	0.33150767	0.89054584
Mettl10	0.57089999	0.56608848	0.55090901	0.01517947	0.44892804	0.89054584
Sgol1	0.09228938	0.11385319	0.09868212	0.01517107	0.23691827	0.89054584
Gimap9	0.11444334	0.13724132	0.12207107	0.01517026	0.28129961	0.89054584
Rasgrf2	0.04357739	0.06179155	0.04662763	0.01516392	0.06486729	0.47163788
Ppm1k	0.13015758	0.15363366	0.13847807	0.0151556	0.30506313	0.89054584
Itga7	0.0318093	0.04917478	0.03403863	0.01513615	0.01914593	0.19547721
S100a14	0.01732972	0.03366891	0.01854541	0.0151235	7.26E-05	0.00157703
Cenpi	0.04345823	0.06160795	0.04650017	0.01510778	0.06505377	0.47228321
Smpd5	0.03537102	0.05291598	0.03784915	0.01506683	0.03182584	0.28186377
Mfsd5	0.09778628	0.11961343	0.10454798	0.01506545	0.25099648	0.89054584
Guca2a	0.02628368	0.04318709	0.02812656	0.01506053	0.00630396	0.07919825
Fads1	0.15700999	0.18134916	0.16629652	0.01505263	0.33661742	0.89054584
Dram1	0.01726371	0.03352736	0.01847478	0.01505258	7.35E-05	0.00158666
Atp13a2	0.32619078	0.34947652	0.33442792	0.0150486	0.41697307	0.89054584
2310009B15	0.58414779	0.57662922	0.56158305	0.01504617	0.45033132	0.89054584
Paxip1	0.20822878	0.23359127	0.21855194	0.01503933	0.37425746	0.89054584
Csrnp1	0.09339669	0.11489796	0.09986392	0.01503404	0.24153246	0.89054584
Sult1c2	0.05098807	0.06957765	0.05455332	0.01502433	0.09972818	0.62085259
Lppos	0.14038156	0.16411031	0.14910296	0.01500735	0.31956096	0.89054584
Ptprb	0.03375301	0.05111672	0.03611815	0.01499857	0.02651409	0.2464111

Rnf14	0.48880272	0.49723929	0.48225573	0.01498356	0.44245331	0.89054584
Lrrn3	0.05454399	0.07333245	0.05835573	0.01497672	0.1159078	0.67896213
Nfasc	0.15395005	0.17811307	0.16314058	0.01497249	0.33447778	0.89054584
Tmem258	2.5010487	1.14180716	1.12683611	0.01497105	0.4753219	0.89054584
Adrb2	0.02217163	0.03869723	0.0237266	0.01497063	0.00164306	0.02539563
Tbc1d31	0.08160421	0.10223239	0.08727406	0.01495833	0.21228475	0.89054584
Mbd4	0.097199	0.11886674	0.10392138	0.01494535	0.25142217	0.89054584
Kcnmb4	0.05550029	0.07431089	0.05937824	0.01493264	0.12066953	0.69533658
Lrrc32	0.06916803	0.08887928	0.07398825	0.01489102	0.17420757	0.84132624
Zc3h10	0.1492884	0.1732167	0.15832585	0.01489085	0.33062702	0.89054584
Sestd1	0.11903615	0.14176179	0.12687586	0.01488594	0.29232041	0.89054584
Ndst4	0.09041198	0.11155228	0.09667823	0.01487404	0.23675405	0.89054584
Akap17b	0.1907679	0.21573381	0.20086086	0.01487295	0.36505612	0.89054584
Dock11	0.19986824	0.22495723	0.21009738	0.01485985	0.37088154	0.89054584
Vrk2	0.12591453	0.14890172	0.1340569	0.01484482	0.30295899	0.89054584
1700113A16	0.09553453	0.11698271	0.10214534	0.01483736	0.24928375	0.89054584
Dtx4	0.05723948	0.07605538	0.06123776	0.01481762	0.12980411	0.72158739
Vasp	1.27988742	0.97775022	0.96294644	0.01480378	0.47145062	0.89054584
Vezt	0.16582477	0.19014368	0.17536677	0.01477691	0.34731643	0.89054584
Vsig10l	0.02698741	0.04363392	0.02887953	0.01475439	0.008651	0.10408487
Klf15	0.04440426	0.06226449	0.04751204	0.01475245	0.07400484	0.51682187
Ubp1	0.26674782	0.29158542	0.27685989	0.01472553	0.4021453	0.89054584
Ndufb10	1.78210144	1.10987925	1.0951655	0.01471376	0.475045	0.89054584
Plxna2	0.09125404	0.11228905	0.09757705	0.014712	0.2412014	0.89054584
Pde8a	0.09848425	0.11999324	0.10529265	0.01470059	0.25769595	0.89054584
Itga5	0.11464926	0.13696743	0.12228666	0.01468077	0.2879732	0.89054584
Avp	0.03348292	0.05048928	0.03582918	0.01466009	0.02830683	0.25810848
Slc10a7	0.13981916	0.16315344	0.14851955	0.01463389	0.32309784	0.89054584
Smad6	0.05699922	0.07560385	0.06098088	0.01462297	0.13195539	0.72831857
Fes	0.06751124	0.08683964	0.07221768	0.01462196	0.17276403	0.83703076

Rpusd3	0.16167026	0.18571311	0.17109577	0.01461734	0.34530392	0.89054584
Upp2	0.10072112	0.12226404	0.10766911	0.01459493	0.26384498	0.89054584
Cd1d1	0.18054344	0.20502782	0.19044128	0.01458654	0.36060428	0.89054584
Svep1	0.11031074	0.13232515	0.11774102	0.01458413	0.28194092	0.89054584
Sirt1	0.10071318	0.12223807	0.10766075	0.01457732	0.26407806	0.89054584
Hoxb5	0.076109	0.09596997	0.08140444	0.01456553	0.20224909	0.89054584
Atp1a2	0.06460649	0.08367605	0.06911313	0.01456292	0.16312582	0.81647508
Traf3ip3	0.01971729	0.03565712	0.02110031	0.0145568	0.00065419	0.01149267
AU019823	0.3899297	0.40868887	0.39413787	0.014551	0.43171824	0.89054584
Mybpc2	0.01903271	0.03491658	0.02036776	0.01454882	0.0004375	0.00801747
Apex2	0.13959999	0.16283902	0.14829217	0.01454685	0.32382728	0.89054584
Efnb2	0.08422562	0.10461186	0.09007347	0.01453839	0.22603139	0.89054584
Zfp330	0.69316743	0.65947005	0.64494345	0.0145266	0.4582128	0.89054584
Ap4e1	0.08061017	0.10072292	0.08621242	0.0145105	0.21647576	0.89054584
Tmem205	0.45338246	0.46584719	0.45134739	0.01449981	0.44051198	0.89054584
Twsg1	0.65167625	0.6286449	0.61417274	0.01447216	0.45629124	0.89054584
Nme5	0.17528842	0.19953337	0.18506936	0.01446402	0.35788509	0.89054584
A1cf	0.10744467	0.12918285	0.11473433	0.01444853	0.278702	0.89054584
Acer3	0.10642349	0.12810668	0.11366231	0.01444437	0.27690355	0.89054584
Sema6c	0.08066954	0.10071686	0.08627583	0.01444103	0.2177474	0.89054584
Snrpa	1.29634276	0.98361309	0.9691864	0.01442669	0.47235551	0.89054584
Pgm2l1	0.10876448	0.13054238	0.11611927	0.0144231	0.28140116	0.89054584
Mlh1	0.22357651	0.24840474	0.23399356	0.01441117	0.38708126	0.89054584
Csf2ra	0.27015939	0.29461465	0.28021052	0.01440414	0.40536226	0.89054584
Dhrs1	0.44842769	0.46135974	0.44696378	0.01439596	0.44035992	0.89054584
Strn	0.12098166	0.14330135	0.12890878	0.01439257	0.30147352	0.89054584
Rab36	0.1967335	0.22129105	0.20691976	0.0143713	0.37312814	0.89054584
1700052K11l	0.18759233	0.21199339	0.19762942	0.01436397	0.36744869	0.89054584
Armcx6	0.3389223	0.36088777	0.34652633	0.01436144	0.42344611	0.89054584
Nup62	0.3778969	0.39738183	0.38303359	0.01434824	0.4307278	0.89054584

Papd7	0.0917179	0.11240977	0.09807216	0.01433761	0.24790045	0.89054584
Slc2a4	0.03127785	0.04778708	0.03347003	0.01431705	0.02313644	0.22332361
Mrpl53	0.024823	0.04085845	0.02656363	0.01429482	0.00608564	0.07692212
C8g	0.04908447	0.06678254	0.0525176	0.01426494	0.10285117	0.63089369
Zfp820	0.1201109	0.14225501	0.12799907	0.01425594	0.30191832	0.89054584
Zfp811	0.04113151	0.05825218	0.0440114	0.01424078	0.06584195	0.47501237
Cux2	0.04319044	0.06044368	0.04621374	0.01422995	0.07570588	0.52298621
D8Ertd82e	0.08322947	0.10322606	0.08900972	0.01421633	0.22840489	0.89054584
Fnbp4	0.41789714	0.43383129	0.41963735	0.01419394	0.43739172	0.89054584
Cog3	0.12138089	0.14351789	0.12932578	0.01419211	0.30458147	0.89054584
P2ry14	0.03518906	0.05184224	0.03765448	0.01418776	0.03959262	0.33509273
Lpcat3	0.68332779	0.65193561	0.63775401	0.0141816	0.45874345	0.89054584
Gpr157	0.0333906	0.04988467	0.03573042	0.01415425	0.03247564	0.28656832
Rbm45	0.04555065	0.06288936	0.04873818	0.01415117	0.08807132	0.57428752
Mtap7d3	0.05188797	0.06964699	0.05551564	0.01413134	0.11782701	0.68687415
Gbp2	0.04927823	0.06684642	0.05272481	0.01412161	0.10604612	0.64355657
Abcc10	0.0587493	0.07696961	0.06285195	0.01411765	0.14766971	0.77404405
Sall2	0.0859053	0.10597232	0.09186699	0.01410533	0.23720031	0.89054584
Smco3	0.0376229	0.05436006	0.04025818	0.01410188	0.05134374	0.40020517
Mettl14	0.09294584	0.11347499	0.09938274	0.01409225	0.25442564	0.89054584
Calr3	0.01805738	0.0334119	0.01932408	0.01408782	0.00034126	0.00639227
Thop1	0.48302496	0.49135053	0.47726589	0.01408463	0.44532159	0.89054584
Plrg1	0.31757226	0.34025981	0.32619026	0.01406955	0.42036729	0.89054584
Nckap5l	0.05779119	0.07587124	0.06182762	0.01404362	0.14497324	0.76736841
Epn2	0.31762572	0.34027758	0.32624147	0.01403611	0.42056637	0.89054584
Kctd11	0.14921203	0.17227591	0.1582469	0.01402901	0.3397932	0.89054584
Vegfb	0.23798836	0.26242469	0.24839826	0.01402643	0.39624496	0.89054584
Rspo1	0.03009687	0.04623268	0.0322065	0.01402619	0.02122883	0.20937119
Auh	0.67997627	0.649306	0.63528962	0.01401638	0.45906479	0.89054584
Tubgcp3	0.26304239	0.28721759	0.27321432	0.01400328	0.40563477	0.89054584

Pkia	0.09413038	0.11464254	0.10064692	0.01399562	0.25853887	0.89054584
Mpp6	0.22106726	0.24544332	0.23147615	0.01396717	0.38930972	0.89054584
Psd3	0.11136101	0.13278906	0.11884207	0.01394699	0.29227144	0.89054584
Asb7	0.28466278	0.30833371	0.29439181	0.0139419	0.41268653	0.89054584
Sgk3	0.13411623	0.15652793	0.14259674	0.01393119	0.32449636	0.89054584
Pcdh12	0.03775953	0.05431973	0.04040434	0.01391539	0.05429585	0.4159266
Hif3a	0.11993845	0.14171166	0.12781888	0.01389278	0.30629292	0.89054584
Plekhh2	0.23689343	0.26119985	0.24730711	0.01389274	0.3967683	0.89054584
Ino80b	0.4253348	0.44021944	0.42634454	0.0138749	0.43974335	0.89054584
Ccdc15	0.04727056	0.064452	0.05057767	0.01387432	0.1006199	0.62288099
Dsn1	0.04005837	0.05673185	0.04286348	0.01386837	0.06585563	0.47501237
Prdm6	0.04159225	0.05836528	0.04450425	0.01386103	0.07338351	0.51488639
Nup54	0.31881162	0.34123774	0.32737722	0.01386052	0.42181571	0.89054584
Vtn	0.05232893	0.06984272	0.05598718	0.01385554	0.12445906	0.70622602
Pnpla7	0.04368481	0.060575	0.04674252	0.01383248	0.08399092	0.55909105
Oxld1	0.18573311	0.20954372	0.1957355	0.01380821	0.37120397	0.89054584
Lef1	0.03123325	0.04723041	0.03342232	0.01380809	0.02712755	0.25066618
Edn1	0.01449038	0.02931365	0.015507	0.01380665	1.68E-05	0.00042193
Csdc2	0.05740421	0.07521957	0.06141389	0.01380568	0.14747657	0.77404405
Egln2	0.86272648	0.7717839	0.75798114	0.01380276	0.46619476	0.89054584
Bco1	0.07797589	0.09720067	0.08339871	0.01380196	0.22034601	0.89054584
B4galt7	0.28971613	0.31310441	0.29930966	0.01379475	0.4149913	0.89054584
Akap2	0.05993855	0.07791139	0.06412334	0.01378805	0.15822408	0.80404231
Naa40	0.20240522	0.2264447	0.21266596	0.01377874	0.38138121	0.89054584
Rnf5	0.90360016	0.79588725	0.78211706	0.01377019	0.46731272	0.89054584
Fam155a	0.1254643	0.1473519	0.13358741	0.01376449	0.3155977	0.89054584
Nell1	0.06018117	0.07814366	0.06438271	0.01376095	0.15967679	0.80704115
Ppp1r3c	0.09765537	0.11816332	0.10440831	0.01375501	0.26968022	0.89054584
Fgfr1	0.11231193	0.13359031	0.11983861	0.01375171	0.29645555	0.89054584
Tgm7	0.02359399	0.03898156	0.02524857	0.01373299	0.0056376	0.07233093

Fam105a	0.16572854	0.18899815	0.17526793	0.01373023	0.35756524	0.89054584
Mnda	0.02211555	0.03739408	0.0236666	0.01372748	0.00344251	0.0482684
Rfx6	0.39961857	0.41674767	0.40302212	0.01372555	0.43696539	0.89054584
Kcnn2	0.02728683	0.04291916	0.0291999	0.01371925	0.01430015	0.15553157
Yy1	0.70102556	0.66435476	0.65063594	0.01371883	0.46087286	0.89054584
Slc30a1	0.09279197	0.11292939	0.09921853	0.01371087	0.25984851	0.89054584
Arhgap33	0.07607103	0.09506772	0.08136387	0.01370385	0.21631762	0.89054584
Esco2	0.06585711	0.08413494	0.07044982	0.01368512	0.18272862	0.86405725
Cmc1	0.4366124	0.45013465	0.43645266	0.013682	0.44194122	0.89054584
Ndufa9	1.13675201	0.91612309	0.90244136	0.01368174	0.47184481	0.89054584
Snx22	0.02966458	0.04542334	0.03174398	0.01367936	0.02233933	0.21839217
Cryl1	0.24113472	0.2651969	0.25153071	0.01366619	0.4000839	0.89054584
Ift74	0.62405271	0.60668782	0.5930311	0.01365672	0.45727975	0.89054584
Tapbp	0.59784039	0.58614942	0.57249295	0.01365647	0.45575418	0.89054584
Creb1	0.36605658	0.38567161	0.37202861	0.013643	0.43216997	0.89054584
Galnt11	0.63873666	0.61793638	0.60433453	0.01360185	0.45824366	0.89054584
Tmem69	0.08050324	0.09969414	0.08609821	0.01359593	0.23095598	0.89054584
Rtp4	0.05867032	0.0763528	0.06276751	0.01358529	0.15663771	0.79878068
Clspn	0.11630149	0.13759771	0.12401592	0.01358179	0.30494489	0.89054584
Nek2	0.03421467	0.0501931	0.03661205	0.01358105	0.04197528	0.34735021
Gclc	0.11091863	0.13194615	0.11837835	0.01356779	0.29667803	0.89054584
Peo1	0.11060568	0.13161096	0.11805027	0.01356069	0.29626172	0.89054584
Plscr2	0.04325293	0.05982765	0.04628057	0.01354708	0.08632338	0.5680964
Map3k2	0.28606811	0.30930751	0.29576073	0.01354678	0.41550969	0.89054584
4833412C05I	0.02101871	0.03603201	0.02249292	0.0135391	0.00252096	0.03684364
B430203G13	0.03486271	0.05083475	0.03730534	0.01352941	0.0455481	0.36805888
Sema4c	0.24679018	0.27067065	0.25714963	0.01352101	0.40324034	0.89054584
Eif2b3	0.39423749	0.41161178	0.39809448	0.01351729	0.43715185	0.89054584
Tacc1	0.29413912	0.31711692	0.30360364	0.01351328	0.41786139	0.89054584
Gm10827	0.02687047	0.04224359	0.02875441	0.01348918	0.01442285	0.15669589

Pphln1	0.28098467	0.30429109	0.290805	0.01348609	0.41447107	0.89054584
Gzf1	0.26933348	0.29288165	0.27939987	0.01348177	0.41106508	0.89054584
Fgf7	0.02548477	0.04074494	0.02727173	0.01347321	0.01067653	0.12381337
3110062M04	0.19391209	0.21752813	0.20405612	0.013472	0.37919782	0.89054584
Fam167a	0.04176082	0.05813487	0.04468455	0.01345032	0.08040253	0.54343866
Bvht	0.08205697	0.10120399	0.0877576	0.0134464	0.2376592	0.89054584
Dzip1	0.05975489	0.07735764	0.063927	0.01343064	0.16383627	0.81785018
Khdrbs2	0.03596695	0.05190745	0.03848667	0.01342079	0.05212056	0.40365591
Tox2	0.02188527	0.03683885	0.02342018	0.01341867	0.00379985	0.05230825
Gdpd2	0.01866895	0.03337709	0.01997851	0.01339858	0.00089049	0.01495984
Vti1b	0.96962682	0.83201104	0.81862323	0.01338781	0.46963294	0.89054584
Lrrk1	0.14297626	0.16516758	0.15179294	0.01337463	0.34071807	0.89054584
Sp110	0.03361255	0.04933851	0.03596788	0.01337063	0.04164512	0.34560445
Scd1	0.02060709	0.03541775	0.02205246	0.01336529	0.00237412	0.03512249
Por	0.87778977	0.78038028	0.76701692	0.01336336	0.46765319	0.89054584
Sult2b1	0.09236536	0.11212578	0.09876321	0.01336257	0.26423264	0.89054584
Pigh	0.25254869	0.27621006	0.26285558	0.01335448	0.40644506	0.89054584
Frm4b	0.15644048	0.17906018	0.16570943	0.01335075	0.35369709	0.89054584
Brwd3	0.18436617	0.20768789	0.19434213	0.01334576	0.37450828	0.89054584
Zfp385b	0.03034462	0.04580746	0.03247157	0.01333589	0.02784843	0.25472969
Elavl2	0.07206333	0.09041084	0.07708208	0.01332877	0.21023443	0.89054584
Rabac1	1.47233944	1.04114232	1.02781939	0.01332293	0.47592223	0.89054584
Tagln3	0.02837454	0.04366136	0.03036371	0.01329764	0.02065719	0.20548976
Dmpk	0.13308152	0.15481798	0.14152078	0.01329721	0.33078327	0.89054584
Dbf4	0.18260658	0.20584162	0.19254734	0.01329428	0.37385027	0.89054584
Ccdc189	0.22620935	0.24992056	0.23663192	0.01328863	0.39680181	0.89054584
Smyd4	0.17901554	0.20216083	0.18888044	0.01328039	0.37161641	0.89054584
Atp9b	0.14946504	0.17176871	0.15850844	0.01326027	0.34836038	0.89054584
Plbd2	0.27687863	0.30004985	0.28679323	0.01325662	0.41474604	0.89054584
Copz1	1.31960335	0.99106477	0.97783182	0.01323295	0.47486365	0.89054584

Zfp651	0.10664973	0.12712857	0.11389985	0.01322872	0.29421739	0.89054584
Hexb	0.35646406	0.37627907	0.36305795	0.01322112	0.43263874	0.89054584
Dsel	0.09797467	0.11794406	0.10474898	0.01319508	0.27864213	0.89054584
Sash3	0.02327402	0.03810004	0.0249062	0.01319384	0.00679288	0.0845349
Pla2g4a	0.11720296	0.1381504	0.12495901	0.01319139	0.31142168	0.89054584
Ypel5	0.43107993	0.44467922	0.43150326	0.01317596	0.44343699	0.89054584
Nipal3	0.14038003	0.16225817	0.14910137	0.01315679	0.34049677	0.89054584
Calb1	0.05189707	0.06867389	0.05552538	0.01314851	0.13496016	0.73613709
Peli2	0.13107692	0.15256145	0.13943511	0.01312634	0.33047928	0.89054584
Cit	0.16497624	0.18760515	0.17449502	0.01311012	0.36315636	0.89054584
Gc	0.03684035	0.05251513	0.03942103	0.0130941	0.0608696	0.45140021
Ncapg2	0.08659683	0.10569762	0.09260533	0.01309229	0.2550543	0.89054584
Col9a1	0.04754012	0.06395582	0.05086597	0.01308985	0.1152771	0.67690861
Fli1	0.06786086	0.08568038	0.07259132	0.01308907	0.20043689	0.89054584
Cfap61	0.02827057	0.04331414	0.03025247	0.01306168	0.02213502	0.21683347
D930015E06	0.19846255	0.22173061	0.20867299	0.01305762	0.38532253	0.89054584
Cd38	0.03681894	0.05244564	0.03939812	0.01304752	0.06142671	0.45436961
Aff1	0.14026034	0.16201489	0.14897722	0.01303767	0.34173774	0.89054584
Adipor2	0.34410929	0.364468	0.3514318	0.01303621	0.43139593	0.89054584
Anapc2	0.37868739	0.39675509	0.38376554	0.01298955	0.43734893	0.89054584
Itpkb	0.30598002	0.32803537	0.31505082	0.01298455	0.42386551	0.89054584
Zfp518b	0.0668664	0.08451025	0.07152852	0.01298173	0.19890126	0.89054584
Fam129a	0.07574034	0.09399187	0.0810106	0.01298128	0.22766557	0.89054584
Rps6kl1	0.03048643	0.04559097	0.03262329	0.01296768	0.0320188	0.28305401
Adgrg3	0.0287127	0.04367971	0.03072553	0.01295418	0.02475029	0.23463713
Gm4673	0.02743728	0.04230856	0.02936088	0.01294768	0.01996275	0.20112578
Scn3b	0.04281654	0.05874108	0.04581381	0.01292727	0.09432005	0.60001264
Kansl1l	0.19108975	0.21411264	0.20118813	0.01292451	0.38235758	0.89054584
Dock1	0.15022248	0.17221554	0.15929127	0.01292427	0.35271221	0.89054584
Pgs1	0.2897288	0.312241	0.29932197	0.01291903	0.42031624	0.89054584

Tmem59	2.93658438	1.11311797	1.10021617	0.0129018	0.47821521	0.89054584
Tasp1	0.18491021	0.20779355	0.19489678	0.01289677	0.37892973	0.89054584
Aqp8	0.01620004	0.03021957	0.01733654	0.01288303	0.00026796	0.00517302
Crtc1	0.27250456	0.29539281	0.28251053	0.01288227	0.4158802	0.89054584
Fam107b	0.25881693	0.28192899	0.26904909	0.0128799	0.41175512	0.89054584
Plaur	0.04385429	0.059799	0.04692379	0.01287521	0.1005637	0.62288099
G2e3	0.23844935	0.26172459	0.2488575	0.01286709	0.40482063	0.89054584
Map3k8	0.06836705	0.08599796	0.07313228	0.01286568	0.20621725	0.89054584
Ppp2r5b	0.46371022	0.47329638	0.46043702	0.01285937	0.44823663	0.89054584
Slitrk2	0.00957562	0.0231065	0.01024752	0.01285898	2.51E-09	1.12E-07
Zfp536	0.00957562	0.0231065	0.01024752	0.01285898	2.51E-09	1.12E-07
Sox10	0.00957562	0.0231065	0.01024752	0.01285898	2.51E-09	1.12E-07
Hccs	0.32213425	0.34338785	0.33055546	0.01283239	0.42823743	0.89054584
Stard8	0.06116841	0.07825048	0.06543808	0.0128124	0.18083341	0.85901797
Lrch1	0.14934717	0.17118087	0.1583866	0.01279427	0.35333083	0.89054584
Tifa	0.05245364	0.06890977	0.05612054	0.01278923	0.14418158	0.76653633
Foxo4	0.14551266	0.16720358	0.15441994	0.01278363	0.34986321	0.89054584
Trmt61a	0.10764184	0.12771585	0.11494127	0.01277459	0.30230053	0.89054584
Zfp445	0.09024057	0.10925231	0.09649525	0.01275705	0.26897023	0.89054584
Pdcd2	0.42436109	0.4382152	0.42546829	0.01274691	0.44449571	0.89054584
Smox	0.25564613	0.27866359	0.26591829	0.01274529	0.411651	0.89054584
Psd2	0.01420569	0.02794725	0.01520235	0.0127449	4.70E-05	0.00106862
Ccdc60	0.06570289	0.08302657	0.07028499	0.01274158	0.1991688	0.89054584
Cdk5r1	0.13166363	0.15277557	0.14004571	0.01272986	0.33596961	0.89054584
Plaa	0.45950457	0.46947185	0.45674335	0.0127285	0.44834842	0.89054584
Wnt2b	0.0167237	0.03059232	0.01789691	0.01269541	0.00047508	0.00860918
Fam124b	0.03378633	0.04882699	0.03615379	0.0126732	0.05122128	0.39948674
Rims2	0.14971522	0.17143106	0.15876703	0.01266403	0.35508802	0.89054584
Baz1a	0.24411627	0.26712947	0.25449485	0.01263462	0.40854199	0.89054584
Reep6	0.15952062	0.18151629	0.16888312	0.01263318	0.36372911	0.89054584

Slc35e4	0.06224194	0.07920073	0.06658566	0.01261507	0.18870856	0.8782975
Arhgef28	0.12657732	0.14735511	0.13474794	0.01260717	0.33145617	0.89054584
Fndc1	0.06100094	0.07783573	0.06525906	0.01257667	0.18462823	0.8690805
Lrfn2	0.02495015	0.03926686	0.02669969	0.01256717	0.01415733	0.15453307
Emc10	1.45209279	1.03446777	1.0219006	0.01256716	0.47715515	0.89054584
Fam20c	0.61516928	0.59868578	0.58612275	0.01256303	0.46022759	0.89054584
Gimap8	0.0348207	0.04982011	0.0372604	0.01255971	0.05815717	0.4365583
Rftn2	0.0802307	0.09836012	0.08580712	0.01255299	0.24775512	0.89054584
Cmtm5	0.01732319	0.03108532	0.01853842	0.01254689	0.00080747	0.01374028
Prdm5	0.09494559	0.11405704	0.10151688	0.01254017	0.28247346	0.89054584
Ubxn2b	0.29419686	0.31619679	0.30365963	0.01253716	0.42373279	0.89054584
Tssc1	0.20125739	0.22402769	0.21150418	0.01252351	0.3913264	0.89054584
Rasa3	0.08025688	0.0983474	0.08583509	0.01251231	0.24852432	0.89054584
Dlx5	0.00948224	0.02265803	0.01014759	0.01251044	4.63E-09	1.97E-07
9230110C19I	0.09757992	0.11682575	0.10432781	0.01249794	0.28838212	0.89054584
Gm26526	0.07561562	0.09336865	0.08087736	0.01249128	0.23589783	0.89054584
Camkk2	0.2937457	0.31571187	0.30322209	0.01248977	0.42390924	0.89054584
Batf	0.01831534	0.0320861	0.01960012	0.01248599	0.00149914	0.02349673
She	0.03954272	0.05479717	0.04231189	0.01248528	0.08460483	0.56160366
Pus10	0.14550261	0.16688997	0.15440954	0.01248044	0.3532475	0.89054584
Mus81	0.17838831	0.20070986	0.18823944	0.01247042	0.37879618	0.89054584
Ei24	0.8408483	0.75702182	0.74456452	0.01245731	0.46893441	0.89054584
Tenm3	0.2245251	0.24739167	0.2349445	0.01244717	0.4025211	0.89054584
Gm29417	0.02877907	0.04323428	0.03079654	0.01243774	0.0299453	0.26898821
Elf3	0.24201818	0.26483513	0.25240944	0.01242569	0.40929778	0.89054584
Prpf40b	0.16287804	0.18476358	0.17233814	0.01242544	0.36847089	0.89054584
Arhgap18	0.18770892	0.21016808	0.19774813	0.01241995	0.38490868	0.89054584
Lamc1	0.52365796	0.5243375	0.51192284	0.01241466	0.45502157	0.89054584
Nudcd1	0.1829958	0.20534332	0.19294445	0.01239887	0.38232131	0.89054584
Rnf31	0.10377402	0.12327514	0.11087918	0.01239596	0.3012337	0.89054584

Tmem198b	0.14672056	0.1680311	0.1556701	0.012361	0.35571228	0.89054584
Fgf18	0.06801313	0.08510438	0.07275405	0.01235033	0.21450803	0.89054584
Efcab10	0.28987216	0.31180895	0.29946131	0.01234765	0.42383136	0.89054584
Hps4	0.25201825	0.2746778	0.26233064	0.01234717	0.4132147	0.89054584
Cln5	0.26195608	0.28448176	0.27214431	0.01233745	0.41636191	0.89054584
Shf	0.08592253	0.10420556	0.09188539	0.01232017	0.26609052	0.89054584
Rmdn1	0.29255251	0.31437681	0.30206443	0.01231238	0.42469295	0.89054584
Fbxo5	0.14702744	0.16829855	0.15598763	0.01231092	0.35655032	0.89054584
Notch1	0.20523545	0.22783618	0.21552817	0.01230801	0.3950985	0.89054584
Adam19	0.05364273	0.0696856	0.05739205	0.01229356	0.15914939	0.8062012
Abcg1	0.16650984	0.1883573	0.17607038	0.01228692	0.37254505	0.89054584
RP23-218K15	0.20790042	0.23050384	0.21822043	0.01228341	0.39656546	0.89054584
Dhfr	0.18707203	0.20937633	0.19709955	0.01227677	0.38583459	0.89054584
Ap3m1	0.42311456	0.43661748	0.42434574	0.01227174	0.44641154	0.89054584
Sepsecs	0.20369703	0.22624382	0.21397277	0.01227104	0.39466381	0.89054584
Dhx8	0.20131935	0.2238317	0.2115669	0.0122648	0.39354755	0.89054584
B930036N10	0.02843742	0.04269565	0.03043099	0.01226466	0.03021095	0.27028518
Sfswap	0.43029631	0.44306363	0.43080078	0.01226285	0.44724778	0.89054584
Nova1	0.02803823	0.04226378	0.03000388	0.0122599	0.0284751	0.25931659
Tsga10ip	0.04617398	0.06165987	0.04940485	0.01225501	0.12390943	0.70422347
Irs2	0.10556022	0.12500001	0.11275577	0.01224424	0.30645701	0.89054584
Mrpl30	1.36273187	1.00532239	0.99308946	0.01223293	0.47711763	0.89054584
Khynyn	0.07207135	0.08931168	0.07709064	0.01222104	0.23008295	0.89054584
Gfra4	0.04729005	0.0628041	0.05059851	0.01220559	0.13053847	0.72345059
Zbtb7c	0.12526914	0.14558339	0.13338387	0.01219952	0.33501211	0.89054584
Dhrs7b	0.33695833	0.35683965	0.34466522	0.01217443	0.43464306	0.89054584
Zfp11	0.03900115	0.05390675	0.04173255	0.01217419	0.08705689	0.57045578
Fam20a	0.11673126	0.13663742	0.12446557	0.01217186	0.32433461	0.89054584
Nepro	0.04848132	0.06404353	0.05187256	0.01217097	0.13716665	0.7420427
Cfl2	1.09018055	0.89253191	0.88039908	0.01213283	0.47440344	0.89054584

Col17a1	0.03376021	0.04823754	0.03612585	0.01211169	0.05914703	0.44117919
Nebi	0.02633652	0.04028278	0.02818309	0.01209969	0.0227395	0.22105677
Fanca	0.02715539	0.04115773	0.02905927	0.01209847	0.02620852	0.24404059
Pdhh	0.92160008	0.80445518	0.79236514	0.01209004	0.4716643	0.89054584
Steap3	0.02736246	0.04136725	0.02928083	0.01208643	0.02723376	0.25100767
Ufc1	1.25521936	0.96535529	0.95326957	0.01208572	0.47644943	0.89054584
Ppp1r16b	0.04274901	0.05782461	0.04574157	0.01208304	0.10921741	0.65377127
Jam2	0.04352891	0.05865367	0.04657577	0.0120779	0.113496	0.67107054
Alad	0.72249279	0.67803021	0.66596633	0.01206388	0.46637077	0.89054584
Arsk	0.18699889	0.20908612	0.19702506	0.01206106	0.38774506	0.89054584
Zfp28	0.05850709	0.07464671	0.062593	0.01205371	0.18480999	0.8690805
Osgepl1	0.20301265	0.22532779	0.21328053	0.01204726	0.39621263	0.89054584
Tmem255b	0.03075551	0.04493342	0.03291118	0.01202224	0.04438889	0.36154499
Gm26830	0.03718554	0.05180058	0.03979031	0.01201027	0.07982488	0.54094194
4930589L23F	0.0166797	0.02984756	0.01784982	0.01199774	0.00086958	0.01469359
Gm26648	0.02222747	0.03577863	0.02378635	0.01199228	0.00941495	0.11157803
Akna	0.04640879	0.0616317	0.04965599	0.0119757	0.1305887	0.72345243
Sec62	1.97068135	1.12767046	1.11570514	0.01196532	0.48007531	0.89054584
Zfp672	0.26762425	0.28967637	0.2777212	0.01195517	0.42052318	0.89054584
Bap1	0.30567897	0.32666724	0.31476066	0.01190658	0.4300544	0.89054584
Ppp1r12a	0.65214587	0.62643179	0.61452762	0.01190418	0.46404444	0.89054584
Sel1l	0.65661193	0.62979164	0.61789551	0.01189613	0.464264	0.89054584
Galnt12	0.34096169	0.36034666	0.34845674	0.01188992	0.43684595	0.89054584
Lefty1	0.10708592	0.12624443	0.11435776	0.01188667	0.31409938	0.89054584
Gm10138	0.15832631	0.17953756	0.16765299	0.01188457	0.3706008	0.89054584
Cfap69	0.04760991	0.06281421	0.0509406	0.01187361	0.13875281	0.74747802
Uqcrcq	2.44866498	1.14020423	1.12834776	0.01185646	0.48047747	0.89054584
Unk	0.17465216	0.19627023	0.18441819	0.01185204	0.38231093	0.89054584
Ints6	0.12301418	0.14286631	0.13103111	0.01183521	0.336946	0.89054584
Fam65b	0.0311736	0.04517591	0.0333585	0.01181741	0.04942528	0.39028741

Gm6576	0.14878756	0.1696252	0.15780807	0.01181714	0.36359146	0.89054584
Cherp	0.31035589	0.33107954	0.31926326	0.01181628	0.4315488	0.89054584
Gapdh	3.15570295	1.09180078	1.07998543	0.01181534	0.47967466	0.89054584
Gal3st1	0.04842343	0.06362438	0.05181064	0.01181374	0.14404496	0.76637203
Rab40c	0.12973051	0.14984698	0.13803338	0.0118136	0.3450439	0.89054584
Syt1	0.02243189	0.03581019	0.0240051	0.01180509	0.01097744	0.12621003
Tmed5	0.45365354	0.46339172	0.45158679	0.01180493	0.45153291	0.89054584
Syt2	0.02860579	0.04241449	0.03061114	0.01180336	0.03621206	0.31212984
Crmp1	0.05417879	0.06975919	0.05796524	0.01179395	0.17158109	0.83588128
Ikzf2	0.21125251	0.23339235	0.22160244	0.01178991	0.40211768	0.89054584
Hoxa3	0.06827982	0.0848184	0.07303906	0.01177934	0.22621554	0.89054584
Ikbke	0.05106062	0.06640961	0.05463091	0.0117787	0.15757083	0.80128442
Zfp131	0.2605713	0.28255412	0.27077949	0.01177462	0.41972766	0.89054584
Dcbld2	0.09308085	0.11128484	0.09952684	0.011758	0.29102163	0.89054584
Prickle2	0.06049924	0.0764805	0.06472274	0.01175776	0.19867599	0.89054584
Epha5	0.0263182	0.03991644	0.02816349	0.01175295	0.0259339	0.24226138
Senp2	0.2249591	0.24713026	0.23537944	0.01175082	0.40804077	0.89054584
Tram2	0.04500551	0.05989792	0.04815513	0.01174279	0.12795764	0.71598989
Smim5	0.04248436	0.05718109	0.04545849	0.01172259	0.11479359	0.6757765
Tmem200a	0.09374424	0.11195115	0.10023483	0.01171632	0.293022	0.89054584
D930028M14	0.04247345	0.05716305	0.04544682	0.01171623	0.11486021	0.67582927
Asah2	0.05861378	0.07440192	0.06270706	0.01169486	0.19245312	0.88605441
2500002B13	0.03447385	0.04857726	0.03688933	0.01168793	0.06995474	0.49764662
Blvra	0.45747967	0.46664638	0.45496113	0.01168524	0.45237606	0.89054584
Rab11fip5	0.05442878	0.06991679	0.05823254	0.01168424	0.17494381	0.84263634
5033417F24I	0.03694453	0.05121415	0.03953248	0.01168167	0.08430318	0.55988435
Agpat2	0.32814728	0.3479664	0.33629257	0.01167382	0.43576035	0.89054584
Zfp612	0.26065438	0.28253024	0.27086139	0.01166885	0.42046282	0.89054584
Lmo3	0.06654957	0.08282576	0.0711899	0.01163586	0.22318065	0.89054584
Rhoh	0.02177054	0.03492424	0.02329741	0.01162682	0.01003346	0.11777817

Cxx1a	0.83884302	0.75494373	0.74331719	0.01162654	0.4709538	0.89054584
Lmntd1	0.03094802	0.04474263	0.03311715	0.01162548	0.05097421	0.39853675
Cer1	0.09235814	0.11037624	0.0987555	0.01162073	0.29176846	0.89054584
Ddi2	0.33110222	0.35072161	0.33910498	0.01161663	0.43659804	0.89054584
Cpt1c	0.17267529	0.19401046	0.18239394	0.01161652	0.38333861	0.89054584
Phkg2	0.38322493	0.39953713	0.38796034	0.01157679	0.4447158	0.89054584
Cdkn3	0.06003712	0.07579478	0.06422872	0.01156606	0.20074467	0.89054584
Reps1	0.13366916	0.15369055	0.14213189	0.01155866	0.35238803	0.89054584
Ubap1	0.40080719	0.41565989	0.40410836	0.01155153	0.44702676	0.89054584
Pcdhb14	0.03074018	0.04444422	0.03289478	0.01154944	0.05094435	0.39853675
Phtf1	0.29593741	0.31688806	0.30534668	0.01154138	0.43010889	0.89054584
Bcap29	0.19019454	0.21180135	0.20027772	0.01152363	0.39432378	0.89054584
Cd96	0.0213129	0.03432815	0.02280772	0.01152043	0.00930423	0.11065855
Rnf152	0.05641372	0.07186302	0.06035489	0.01150814	0.1871786	0.87426397
Gcnt1	0.06462816	0.08062163	0.06913629	0.01148533	0.21947391	0.89054584
Trpm7	0.35551461	0.37363306	0.36216742	0.01146564	0.4413708	0.89054584
Hk1os	0.02325312	0.03634945	0.02488384	0.01146561	0.01590942	0.16997399
Cd99l2	0.34326682	0.36209915	0.35063603	0.01146312	0.43947049	0.89054584
Snapc1	0.22242037	0.2442898	0.23283401	0.01145579	0.40934624	0.89054584
Ptprg	0.12600026	0.14560158	0.13414628	0.0114553	0.34537181	0.89054584
Smim13	0.18186414	0.2032103	0.19178965	0.01142064	0.3907252	0.89054584
Slc16a7	0.03659404	0.05057748	0.03915753	0.01141994	0.08711471	0.57045578
Rtkn	0.2136528	0.23543399	0.2240211	0.0114129	0.4061916	0.89054584
Plppr3	0.10142833	0.11981728	0.10841302	0.01140425	0.31203637	0.89054584
Dner	0.07509205	0.09169345	0.08031802	0.01137543	0.25467656	0.89054584
Mesp2	0.04010228	0.05428226	0.04291045	0.01137181	0.10847509	0.65191723
Rbfox1	0.01758432	0.03018403	0.01881786	0.01136617	0.00244612	0.03588252
Tslp	0.03829248	0.05233788	0.04097446	0.01136341	0.09816812	0.61534939
Xkr8	0.05369793	0.06880836	0.05745106	0.01135729	0.17852282	0.85194992
Gm20186	0.06064868	0.07623871	0.0648825	0.01135621	0.20740957	0.89054584

Bche	0.02356336	0.03656553	0.0252158	0.01134973	0.01799647	0.18665181
Tirap	0.05539192	0.07060833	0.05926237	0.01134596	0.18620485	0.87252679
Itgb3	0.05015744	0.06499591	0.05366505	0.01133086	0.16263387	0.81558832
Sema6d	0.2421872	0.26389718	0.25257752	0.01131967	0.417303	0.89054584
Gm11837	0.13428375	0.1540878	0.14277089	0.01131691	0.35595331	0.89054584
Kif5c	0.20084387	0.22239525	0.2110855	0.01130975	0.40144006	0.89054584
Nrxn3	0.05992773	0.07542032	0.06411177	0.01130855	0.20560069	0.89054584
6430503K07I	0.1185071	0.13762368	0.12632279	0.01130089	0.33841567	0.89054584
St6galnac5	0.14056968	0.16059519	0.14929807	0.01129712	0.36221898	0.89054584
Pla2g2d	0.17340571	0.19442623	0.18314205	0.01128418	0.38703406	0.89054584
Prune2	0.11864843	0.13775334	0.12647055	0.01128279	0.33883773	0.89054584
Gm26724	0.34302371	0.36167523	0.35040632	0.01126891	0.44044959	0.89054584
C530044C16I	0.04631955	0.06078391	0.04956055	0.01122336	0.14570068	0.76925292
Sf3a2	0.52310797	0.52267593	0.51146054	0.01121539	0.45931405	0.89054584
Vasn	0.17008779	0.19094412	0.17974199	0.01120213	0.38577004	0.89054584
Timm21	0.39058987	0.4059402	0.39474491	0.0111953	0.44744015	0.89054584
Ppp1r35	0.54721766	0.54273657	0.53154387	0.0111927	0.46092518	0.89054584
Gltscr2	1.74787221	1.10101839	1.08983676	0.01118163	0.48093768	0.89054584
Gemin6	0.51950726	0.51960856	0.50842941	0.01117915	0.45920411	0.89054584
Arhgap28	0.12015309	0.13922118	0.12804315	0.01117802	0.34210672	0.89054584
Cdh13	0.03088103	0.04421304	0.03304547	0.01116757	0.05768968	0.4351639
Fstl4	0.02017931	0.032762	0.02159471	0.01116729	0.00799194	0.09720403
Mrps22	0.35770417	0.37538512	0.36422036	0.01116476	0.44321834	0.89054584
Golt1a	0.0237314	0.03655925	0.0253956	0.01116365	0.0202789	0.20318142
Tex30	0.38310945	0.39899993	0.38785372	0.01114621	0.44674498	0.89054584
Cox14	1.89965394	1.1207891	1.10965083	0.01113827	0.48135036	0.89054584
Csgalnact1	0.03986895	0.05379196	0.04266086	0.0111311	0.11206602	0.66560148
Tnfrsf13b	0.0235473	0.03632828	0.02519862	0.01112966	0.01980714	0.19997491
1700025G04	0.28336405	0.30425458	0.29312596	0.01112862	0.42980206	0.89054584
Lrrc27	0.03493029	0.0485062	0.03737764	0.01112856	0.08270242	0.55279838

Dll3	0.0560869	0.07113395	0.06000546	0.01112849	0.19378348	0.88879244
Gm525	0.01915564	0.0316266	0.02049931	0.01112729	0.0057205	0.07307121
Prdm1	0.01879312	0.03122691	0.02011138	0.01111553	0.00501214	0.06612012
Ttk	0.07244384	0.08858684	0.07748864	0.0110982	0.25229972	0.89054584
Gm42726	0.02947194	0.04263021	0.03153787	0.01109235	0.05064619	0.39690185
Ap5b1	0.02329406	0.03600904	0.02492764	0.0110814	0.0191748	0.19549667
Dusp26	0.03637893	0.05000745	0.03892741	0.01108004	0.09240483	0.59278106
Pcsk9	0.02849623	0.04157333	0.03049391	0.01107942	0.04525215	0.36609429
Abhd11os	0.06474268	0.08033768	0.0692587	0.01107898	0.22805475	0.89054584
Hspb2	0.02307895	0.0357764	0.02469747	0.01107893	0.01831185	0.18936177
Slc38a1	0.44720037	0.45695	0.44587566	0.01107433	0.45393906	0.89054584
Cntln	0.38858674	0.40397549	0.39290226	0.01107323	0.44776754	0.89054584
Bcl9l	0.13383603	0.1533775	0.1423054	0.0110721	0.35849302	0.89054584
Nthl1	0.17022542	0.19095501	0.17988312	0.01107189	0.38714809	0.89054584
Nhs	0.06876397	0.08462384	0.07355645	0.01106739	0.24165475	0.89054584
Tmem266	0.04181103	0.05579912	0.04473826	0.01106086	0.12469084	0.70642606
Zfp825	0.13067503	0.15007325	0.13901677	0.01105648	0.35548953	0.89054584
Smim10l2a	0.06045516	0.07572998	0.06467562	0.01105436	0.21292702	0.89054584
Parp8	0.1359976	0.15560578	0.14455203	0.01105375	0.3608212	0.89054584
Tpcn2	0.02211007	0.03471255	0.02366074	0.01105181	0.01477136	0.15969813
Ephx2	0.06914476	0.08499635	0.07396339	0.01103296	0.2435389	0.89054584
Daam2	0.01591386	0.02806215	0.01703029	0.01103185	0.00127241	0.02033896
Fam168b	0.32335055	0.34274379	0.33171747	0.01102632	0.43846438	0.89054584
Wdr53	0.18227808	0.20321971	0.19221212	0.01100758	0.39480858	0.89054584
Palld1	0.08294209	0.09970966	0.08870283	0.01100683	0.28159427	0.89054584
Bhlhe23	0.01626446	0.0284078	0.01740548	0.01100232	0.00161476	0.0250115
Gm9801	0.04177251	0.05569455	0.04469706	0.01099749	0.12583349	0.71013386
Ovca2	0.05736409	0.07235169	0.06137099	0.0109807	0.20225509	0.89054584
Ablim3	0.02307265	0.03566817	0.02469073	0.01097744	0.01916282	0.19549667
Tstd3	0.0962697	0.11390544	0.10292981	0.01097563	0.30966756	0.89054584

Prom1	0.18020555	0.20106913	0.19009619	0.01097295	0.3939923	0.89054584
Bhlha15	0.09089406	0.1081628	0.09719281	0.01096999	0.29949727	0.89054584
Plac9b	0.05654939	0.07146733	0.06049994	0.01096739	0.19917542	0.89054584
Gca	0.14445482	0.16427507	0.15332463	0.01095044	0.3696647	0.89054584
Scn2b	0.04548749	0.05961756	0.04867063	0.01094693	0.14734633	0.77404405
Usp12	0.20862299	0.22989315	0.21894987	0.01094329	0.407936	0.89054584
Abat	0.18866343	0.20965795	0.19871984	0.01093811	0.39880499	0.89054584
Magix	0.02702743	0.03985705	0.02892235	0.0109347	0.03908458	0.33156714
Hoxb5os	0.05357396	0.06824382	0.05731851	0.01092531	0.18726312	0.87437703
Shb	0.04968025	0.06407078	0.05315474	0.01091604	0.16934009	0.83251702
Fzr1	0.45773151	0.46609795	0.45518292	0.01091503	0.45552321	0.89054584
Mcc	0.09860556	0.11632051	0.10542207	0.01089844	0.31503179	0.89054584
Avpr1b	0.03247109	0.04563691	0.03474667	0.01089023	0.07211807	0.50853143
Neil3	0.0652572	0.08069516	0.06980864	0.01088652	0.23374994	0.89054584
Ddx25	0.07142645	0.08728316	0.07640156	0.0108816	0.25348719	0.89054584
Cgnl1	0.1331585	0.1524723	0.14160084	0.01087146	0.36028694	0.89054584
Sccpdh	0.45326764	0.46211701	0.45124597	0.01087105	0.45531681	0.89054584
Polb	0.52076669	0.52034467	0.50949035	0.01085432	0.46046778	0.89054584
Arl5c	0.02822262	0.04104439	0.03020117	0.01084322	0.04719175	0.37737782
Zfp87	0.16304097	0.18333892	0.1725057	0.01083322	0.3849224	0.89054584
Lipt2	0.13519318	0.1545424	0.14371617	0.01082623	0.36280886	0.89054584
Ppargc1b	0.03449322	0.04771951	0.03691005	0.01080946	0.08621838	0.56777946
Slc20a1	0.09538221	0.11278934	0.1019828	0.01080654	0.31076555	0.89054584
Ddx3y	0.43730423	0.44787194	0.43707029	0.01080164	0.45416714	0.89054584
Chad	0.01655897	0.02851334	0.01772063	0.01079271	0.0022733	0.03366526
Hpse	0.03517603	0.04842005	0.03764054	0.01077951	0.09106434	0.58666938
Inafm1	0.28290902	0.30344927	0.29268232	0.01076695	0.43195885	0.89054584
Aifm1	0.40880262	0.42214907	0.41139409	0.01075499	0.45152962	0.89054584
Srp72	1.30075675	0.98158913	0.97085231	0.01073682	0.47945398	0.89054584
Usp49	0.03402955	0.04713262	0.036414	0.01071862	0.08512819	0.56355642

Snrpb	2.22487333	1.13859455	1.12788278	0.01071177	0.48235373	0.89054584
Chchd6	0.51374604	0.51424458	0.50356343	0.01068115	0.46064002	0.89054584
Fam120b	0.17166118	0.19202359	0.1813549	0.0106687	0.39201352	0.89054584
Hnrnpf	2.41276393	1.13969779	1.12903015	0.01066765	0.48244422	0.89054584
Txndc16	0.08040323	0.09665655	0.08599139	0.01066515	0.28168978	0.89054584
C030034I22R	0.06856753	0.08400946	0.07334653	0.01066293	0.24910627	0.89054584
Bin2	0.03163529	0.04451151	0.03385245	0.01065906	0.07119461	0.50399388
Itpr1	0.58691079	0.57443384	0.56379466	0.01063919	0.46497117	0.89054584
Xrcc3	0.05546502	0.06997347	0.05934053	0.01063294	0.20191151	0.89054584
Fam53b	0.10213805	0.11977069	0.10915941	0.01061128	0.32531353	0.89054584
Zfp804a	0.02195071	0.03409647	0.02349021	0.01060625	0.01770686	0.18428859
Trp53cor1	0.05625205	0.07078826	0.06018203	0.01060624	0.20580236	0.89054584
Nagpa	0.13341511	0.1524675	0.14186771	0.01059979	0.36388349	0.89054584
Mapk8ip1	0.61082064	0.59331942	0.58272135	0.01059806	0.46623681	0.89054584
Borcs6	0.29848098	0.31839003	0.30780934	0.01058068	0.43638259	0.89054584
Gm5771	0.01542878	0.02708497	0.0165112	0.01057377	0.00142447	0.02249665
Mthfd2	0.32622399	0.34503017	0.33445959	0.01057058	0.44146909	0.89054584
Itgb2	0.02568633	0.03805064	0.0274874	0.01056324	0.03669456	0.31553841
Ctgf	0.05936753	0.07406919	0.06351288	0.01055631	0.21936186	0.89054584
Rerg	0.05524711	0.06966319	0.05910754	0.01055565	0.20270118	0.89054584
Taf1b	0.16826347	0.18841954	0.17787057	0.01054897	0.39115583	0.89054584
Stk17b	0.05252238	0.06672413	0.05619405	0.01053008	0.19132364	0.88394202
Rcan3	0.38529587	0.40039396	0.38987101	0.01052294	0.44996542	0.89054584
Fzd4	0.07822483	0.09417704	0.08366463	0.01051241	0.27914169	0.89054584
Pdgfb	0.02605447	0.0383925	0.02788131	0.01051119	0.03950924	0.33458234
Tmem132c	0.02216796	0.03423021	0.02372268	0.01050753	0.01952814	0.19784693
Psmb7	1.96458746	1.12570862	1.11524301	0.01046561	0.48256372	0.89054584
Zfp52	0.03889019	0.05206256	0.04161386	0.0104487	0.12104087	0.69664572
Lin7a	0.0391054	0.05229002	0.04184408	0.01044594	0.12240332	0.70076598
Arrdc1	0.33722261	0.35533829	0.34491578	0.01042251	0.44402117	0.89054584

Slc35d3	0.12309695	0.14151117	0.13111175	0.01039368	0.35594682	0.89054584
Ankrd39	0.34084835	0.35874278	0.34834951	0.01039326	0.44472392	0.89054584
Ssu72	1.5368601	1.05583932	1.04544763	0.0103917	0.48153173	0.89054584
Kdelc1	0.17011062	0.19015152	0.1797654	0.01038612	0.39389753	0.89054584
Polr3e	0.20076694	0.22137945	0.2110076	0.01037185	0.40943241	0.89054584
Zfp948	0.1676307	0.18758361	0.17722114	0.01036248	0.39265046	0.89054584
Rbx1	2.72573863	1.12573799	1.11537906	0.01035893	0.48274344	0.89054584
Agt	0.09579353	0.11276991	0.10242172	0.01034819	0.31892147	0.89054584
Snx10	0.36010275	0.37681162	0.36646631	0.01034531	0.44768141	0.89054584
Ptgds	0.09251967	0.10927307	0.09892791	0.01034516	0.31305898	0.89054584
Adpgk	0.29159771	0.31146767	0.30113755	0.01033013	0.4365119	0.89054584
Prr5l	0.05523894	0.06941651	0.0590988	0.0103177	0.20800117	0.89054584
Gins1	0.08539164	0.10162645	0.09131853	0.01030792	0.29948047	0.89054584
Rai1	0.16869034	0.18861515	0.17830858	0.01030657	0.39385115	0.89054584
Tars	0.40768005	0.42067836	0.41037337	0.01030499	0.45343325	0.89054584
Zfp369	0.10535985	0.12281838	0.11254532	0.01027305	0.33532187	0.89054584
1110038F14l	0.66980741	0.63802008	0.62776609	0.01025399	0.46966995	0.89054584
Elmod1	0.06802989	0.08302535	0.07277196	0.0102534	0.25577252	0.89054584
Tmem2	0.10723956	0.12476342	0.11451904	0.01024438	0.33842376	0.89054584
Dnase1l1	0.05968735	0.07409783	0.06385479	0.01024304	0.22742691	0.89054584
Cdx2	0.02690097	0.03902965	0.02878704	0.01024261	0.04869105	0.38638363
Pld2	0.05755391	0.07180481	0.06157393	0.01023088	0.2194325	0.89054584
Zfp459	0.01728923	0.02873188	0.01850208	0.0102298	0.00499856	0.06600098
Tm7sf2	0.08416565	0.10021985	0.09000943	0.01021041	0.29857724	0.89054584
Gm15050	0.05077979	0.06453948	0.0543306	0.01020888	0.19067028	0.88317499
Man1a	0.15867603	0.17821334	0.16801325	0.01020009	0.38864805	0.89054584
Keap1	0.8150629	0.73849552	0.72830405	0.01019147	0.47400954	0.89054584
Gria4	0.01658733	0.02792047	0.01775098	0.01016949	0.00380279	0.05230825
Gm16124	0.10228081	0.1194766	0.10930951	0.01016709	0.3323849	0.89054584
Cyp2d22	0.06162103	0.07607778	0.06592193	0.01015584	0.23645567	0.89054584

Sap30bp	0.26981668	0.29002469	0.27987418	0.01015051	0.43290974	0.89054584
Lmf1	0.23766239	0.25821628	0.24807348	0.0101428	0.42446385	0.89054584
St8sia4	0.03114801	0.04347362	0.03333112	0.0101425	0.07814019	0.53336934
Ttc38	0.09886557	0.11583725	0.10569947	0.01013777	0.32749344	0.89054584
Scyl3	0.11075415	0.12833638	0.11820592	0.01013046	0.34484362	0.89054584
Edc3	0.19596284	0.21625415	0.2061379	0.01011625	0.40957501	0.89054584
Flad1	0.2535303	0.27393824	0.26382668	0.01011156	0.42914121	0.89054584
ltpkc	0.04503046	0.05828737	0.04818181	0.01010556	0.16424566	0.81857464
Enpp5	0.26904858	0.2892051	0.27912017	0.01008493	0.43316071	0.89054584
Gpt2	0.13737132	0.15605784	0.14597888	0.01007896	0.37385067	0.89054584
Sep-05	0.07199768	0.08708895	0.07701193	0.01007701	0.2710559	0.89054584
Mtg1	0.27174271	0.29183106	0.28176364	0.01006742	0.43389591	0.89054584
Tmem151a	0.03836067	0.05108153	0.04104741	0.01003411	0.12737526	0.7143855
Cdk5rap1	0.13959088	0.15831621	0.14828272	0.01003349	0.37628771	0.89054584
Cby1	0.60616237	0.58909679	0.57906354	0.01003325	0.46783073	0.89054584
Dpp6	0.06678407	0.08147113	0.07144053	0.0100306	0.25651139	0.89054584
Gm8113	0.02523866	0.03703798	0.02700839	0.01002959	0.04180597	0.34614674
1500026H17	0.12786231	0.1461019	0.13608727	0.01001462	0.36585564	0.89054584
Gdpd3	0.04338396	0.05643047	0.04642072	0.01000975	0.15754173	0.80128442
Pappa2	0.10021681	0.11714675	0.10713851	0.01000824	0.33170482	0.89054584
Usp46	0.29105647	0.31061177	0.30061193	0.00999984	0.43841877	0.89054584
Bcl10	0.66494317	0.63412805	0.62414165	0.00998641	0.47028872	0.89054584
Trp53inp1	0.17859384	0.19842033	0.18844948	0.00997085	0.40264595	0.89054584
Cfap43	0.04973156	0.06316884	0.05320961	0.00995923	0.19160061	0.88461814
Dynlt1f	0.79775239	0.72706002	0.71711168	0.00994322	0.47424672	0.89054584
Ccdc122	0.03674338	0.04925237	0.03931729	0.00993508	0.1195445	0.69215504
Gm13056	0.01272163	0.02353178	0.01361421	0.00991756	0.00034452	0.00644494
Lhx1os	0.14209284	0.16079483	0.15087738	0.00991745	0.37971059	0.89054584
Gm10116	0.49399975	0.49663165	0.4867263	0.00990536	0.46223128	0.89054584
Stk26	0.03839999	0.05099117	0.04108948	0.00990169	0.13078126	0.72424246

Fgl1	0.02415545	0.03573901	0.02584935	0.00988966	0.03733743	0.32027435
Ccdc17	0.04318213	0.05607225	0.04620485	0.00986741	0.1598795	0.80736085
Cerkl	0.17858807	0.19830352	0.18844359	0.00985993	0.4037046	0.89054584
Il18	0.04032203	0.05300254	0.04314552	0.00985702	0.14357806	0.76537874
Il33	0.04294535	0.05580386	0.04595158	0.00985228	0.15892064	0.80588717
Iqcb1	0.33792759	0.35543232	0.34558397	0.00984835	0.447188	0.89054584
Rinl	0.05497367	0.06865253	0.05881517	0.00983736	0.21791635	0.89054584
Tmem208	1.17580818	0.92980519	0.91997029	0.0098349	0.48013842	0.89054584
Qars	0.51650945	0.51573263	0.50590006	0.00983257	0.46392499	0.89054584
Gper1	0.03178203	0.04382642	0.03400945	0.00981696	0.08934139	0.57918151
Cartpt	0.02325395	0.0346997	0.02488473	0.00981498	0.033063	0.29104275
Npdc1	1.11021999	0.89987167	0.89006425	0.00980742	0.47952896	0.89054584
Kpna1	0.33805819	0.35550118	0.34570773	0.00979345	0.44749935	0.89054584
Prps2	0.12431663	0.14218034	0.13239028	0.00979006	0.36522701	0.89054584
Anks3	0.4073705	0.41987526	0.41009179	0.00978347	0.45574973	0.89054584
Cdpf1	0.34185655	0.35908451	0.34930308	0.00978143	0.44810009	0.89054584
Rab1b	0.47909115	0.48363363	0.47385671	0.00977692	0.46171012	0.89054584
Ndufa12	2.21250689	1.13734239	1.12757105	0.00977135	0.48389763	0.89054584
Pdss1	0.09338467	0.10961381	0.09985109	0.00976272	0.32436838	0.89054584
Fam219b	0.21940759	0.239564	0.22980953	0.00975447	0.42161917	0.89054584
Adcyap1r1	0.04009566	0.05265615	0.04290337	0.00975278	0.14478411	0.76727455
Capn2	0.70539462	0.66352976	0.65378199	0.00974776	0.47231018	0.89054584
Zfp641	0.02087683	0.03208031	0.0223411	0.00973921	0.02112831	0.20880589
Slx1b	0.13428438	0.15250925	0.14277155	0.0097377	0.37533269	0.89054584
Cdkl1	0.0663434	0.08070661	0.07096956	0.00973705	0.2613437	0.89054584
Rnls	0.13365121	0.1518482	0.14211323	0.00973497	0.37480845	0.89054584
Parp6	0.1799792	0.19959017	0.18986498	0.00972519	0.40569296	0.89054584
Far1	0.39373762	0.40733566	0.3976359	0.00969976	0.45475833	0.89054584
Dlg2	0.02239391	0.03364839	0.02396445	0.00968394	0.02987321	0.26867358
Ltb4r1	0.0181266	0.02907807	0.01939815	0.00967992	0.01003947	0.11777817

Ptcd1	0.14760578	0.16624991	0.15658592	0.009664	0.38685122	0.89054584
Coasy	0.38131215	0.39585052	0.38619344	0.00965708	0.45362791	0.89054584
Rgs14	0.02401144	0.03534907	0.02569526	0.00965381	0.04002618	0.33738342
Dgcr8	0.22099058	0.24104195	0.23139918	0.00964277	0.42303101	0.89054584
Frs2	0.13573989	0.15392502	0.14428428	0.00964074	0.37778642	0.89054584
Cpeb3	0.04985091	0.06297262	0.05333724	0.00963537	0.19999544	0.89054584
Man1b1	0.28425444	0.3036218	0.29399387	0.00962793	0.43936692	0.89054584
Tax1bp1	1.42847748	1.0242945	1.01467392	0.00962058	0.48238305	0.89054584
Poli	0.05826817	0.07195781	0.06233757	0.00962024	0.23607337	0.89054584
Mkl1	0.10888016	0.12585913	0.11624063	0.0096185	0.3499295	0.89054584
Prdx2	3.31487672	1.06962864	1.06001874	0.0096099	0.4831549	0.89054584
Gpr88	0.01844647	0.0293493	0.01974043	0.00960887	0.01167099	0.13260663
Dedd	0.34802544	0.36472821	0.35512588	0.00960233	0.4498762	0.89054584
Trpm5	0.09006738	0.10590631	0.09631039	0.00959592	0.32125395	0.89054584
Uggt2	0.12821156	0.14604289	0.1364512	0.0095917	0.3716466	0.89054584
A730098A19	0.04792909	0.06087336	0.05128196	0.0095914	0.19177505	0.88486593
Fbxo8	0.28802486	0.30723763	0.29766514	0.00957249	0.44045136	0.89054584
Sgk2	0.03002083	0.04169374	0.03212514	0.0095686	0.08261654	0.55247906
Hist1h4c	0.01087183	0.0212028	0.01163466	0.00956814	6.37E-05	0.0014078
Prkce	0.26467345	0.28438696	0.27481984	0.00956711	0.4355787	0.89054584
Gm21541	0.01845988	0.02931619	0.01975479	0.0095614	0.01206833	0.13637305
1110020A21	0.14869914	0.16727108	0.15771665	0.00955443	0.38888077	0.89054584
Lrrc3b	0.04677945	0.05959918	0.05005242	0.00954675	0.18710274	0.87419127
Zbtb43	0.12765688	0.14541379	0.1358732	0.00954058	0.37178249	0.89054584
Sarm1	0.05258477	0.06579848	0.05626075	0.00953773	0.2148172	0.89054584
Nsun5	0.12675075	0.14446504	0.13492874	0.00953631	0.37097272	0.89054584
Zfp764	0.06802436	0.08229509	0.07276605	0.00952904	0.27089475	0.89054584
Tbc1d10c	0.0300817	0.04171224	0.03219026	0.00952198	0.08408163	0.55918838
Tmem54	0.0318267	0.04357845	0.03405725	0.00952121	0.09637693	0.61016274
Mnt	0.13897478	0.15715793	0.14764342	0.00951452	0.38199932	0.89054584

4833418N02	0.05560477	0.06900397	0.05948995	0.00951402	0.22810917	0.89054584
Apobec3	0.31722448	0.33536152	0.32585703	0.00950449	0.44595395	0.89054584
Relb	0.06593593	0.08003469	0.07053406	0.00950063	0.26515304	0.89054584
Ccdc74a	0.05044041	0.06346777	0.05396767	0.00950011	0.20607132	0.89054584
Rbfox2	0.77079241	0.70875151	0.69926095	0.00949057	0.4747907	0.89054584
Aldh4a1	0.10235249	0.11886478	0.10938488	0.0094799	0.34319104	0.89054584
Derl1	0.80718438	0.73271468	0.72323929	0.00947539	0.47566435	0.89054584
Cog2	0.21422561	0.23405686	0.22459792	0.00945895	0.42222234	0.89054584
Adamtsl3	0.02323483	0.03431433	0.02486427	0.00945006	0.03830497	0.32686611
Kcnh7	0.05682958	0.07024785	0.06079951	0.00944834	0.23453086	0.89054584
Pzp	0.01648354	0.02708757	0.01763992	0.00944765	0.00629338	0.07913392
Fam187b	0.16464029	0.18357936	0.1741498	0.00942956	0.40041837	0.89054584
Rrp15	0.45752134	0.46442717	0.45499783	0.00942934	0.46154126	0.89054584
Vps13c	0.17133986	0.19045185	0.1810256	0.00942626	0.40415858	0.89054584
H2-T22	0.12219274	0.13959032	0.13017356	0.00941676	0.36804798	0.89054584
Arid3b	0.09816827	0.11437195	0.10495554	0.00941642	0.33797662	0.89054584
Gm26533	0.01953328	0.03030706	0.02090341	0.00940366	0.01804632	0.18701609
Pde4b	0.10440549	0.12094469	0.11154274	0.00940195	0.34726958	0.89054584
Gna15	0.01322069	0.02354519	0.01414828	0.00939691	0.00098624	0.01628525
Eda	0.03896746	0.05108627	0.04169652	0.00938976	0.1470522	0.7738522
Adgrg5	0.02231337	0.03326525	0.02387827	0.00938698	0.0335119	0.2936188
Zfp759	0.0365259	0.04847132	0.03908463	0.00938669	0.13158999	0.72677778
Klk1	0.03477005	0.04658238	0.03720621	0.00937617	0.12018165	0.69411919
Lym7	0.04969016	0.06254144	0.05316534	0.0093761	0.20564132	0.89054584
Wscd2	0.04364383	0.05607396	0.04669868	0.00937528	0.17480795	0.84226179
Cacng8	0.01874017	0.02942936	0.02005472	0.00937464	0.01470913	0.15926281
Cspp1	1.11652007	0.90241652	0.89304382	0.0093727	0.48050083	0.89054584
Slc25a42	0.05890379	0.0723874	0.06301711	0.00937028	0.24423073	0.89054584
Nxpe4	0.03465926	0.04644382	0.03708768	0.00935614	0.11993447	0.69330539
Mdc1	0.10778471	0.12444412	0.11509121	0.00935291	0.35248883	0.89054584

Lect1	0.02819562	0.03950819	0.03017228	0.00933592	0.0747117	0.51900827
Smek2	0.84781654	0.7582079	0.74887593	0.00933198	0.47685181	0.89054584
Arhgap15	0.02650326	0.03766217	0.02836151	0.00930066	0.0632789	0.46264121
Ptprt	0.06623633	0.08014994	0.07085513	0.00929482	0.27054592	0.89054584
2610035D17	0.0620472	0.07566977	0.06637749	0.00929227	0.2571324	0.89054584
Reps2	0.06537847	0.07921437	0.06993825	0.00927612	0.26831087	0.89054584
Al464131	0.05057974	0.06338866	0.05411667	0.00927199	0.21236783	0.89054584
E2f1	0.1436044	0.16171013	0.15244376	0.00926637	0.38851328	0.89054584
Atg5	0.45923302	0.46575915	0.45650449	0.00925467	0.46237577	0.89054584
Rpain	0.27143366	0.29071174	0.28146058	0.00925116	0.43914711	0.89054584
Ccdc130	0.12525437	0.14261287	0.13336846	0.00924441	0.37337276	0.89054584
Gli2	0.05334277	0.06631477	0.05707129	0.00924348	0.22525076	0.89054584
Tceanc	0.09851556	0.11456435	0.10532605	0.0092383	0.34140101	0.89054584
Arid2	0.36988926	0.38482154	0.37559936	0.00922217	0.45446352	0.89054584
Troap	0.04095291	0.05303413	0.04382036	0.00921376	0.16364202	0.81785018
Apol7d	0.02744371	0.03857724	0.02936777	0.00920947	0.07200734	0.50850579
Clp1	0.138158	0.15600026	0.14679564	0.00920461	0.38509272	0.89054584
Adat3	0.0535487	0.0664952	0.0572915	0.0092037	0.22709605	0.89054584
Ttf2	0.09841657	0.11442347	0.10522045	0.00920303	0.34182379	0.89054584
Ccdc36	0.02157276	0.0322868	0.02308578	0.00920102	0.03166576	0.2807891
Lpp	0.70961417	0.66600741	0.65680814	0.00919927	0.47398619	0.89054584
2010315B03	0.13172525	0.14930526	0.14010983	0.00919542	0.37989109	0.89054584
Fam84b	0.09484831	0.11059507	0.10141307	0.009182	0.336577	0.89054584
Pknox2	0.03260223	0.04406229	0.03488697	0.00917532	0.11022963	0.6573876
Lrrtm4	0.01820882	0.0286543	0.01948613	0.00916817	0.01418906	0.15463706
Gfod2	0.34561383	0.36201999	0.35285199	0.009168	0.45182523	0.89054584
Fam177a	0.59075914	0.57603367	0.5668665	0.00916717	0.46997098	0.89054584
E030030I06R	0.2197662	0.23932559	0.23016974	0.00915585	0.42648646	0.89054584
Mitf	0.04720802	0.05965632	0.05051079	0.00914553	0.19945982	0.89054584
4933404O12	0.05858133	0.07181478	0.06267237	0.00914241	0.24836978	0.89054584

Dpp7	0.16292761	0.1815205	0.17238912	0.00913138	0.40253839	0.89054584
Sv2a	0.14301792	0.16096272	0.15183611	0.0091266	0.38972313	0.89054584
Cdip1	0.374232	0.38876164	0.37963553	0.00912611	0.45541294	0.89054584
Ace	0.02155689	0.03214285	0.0230688	0.00907405	0.03343244	0.29340403
Gm11713	0.12862771	0.14594463	0.13688475	0.00905987	0.37890521	0.89054584
Dmd	0.17086032	0.18957946	0.18053405	0.00904541	0.40771384	0.89054584
Dctn4	0.27567553	0.2946226	0.28561619	0.00900641	0.44160089	0.89054584
Rdh11	0.12461573	0.1416939	0.13270231	0.00899159	0.37612328	0.89054584
Vps13d	0.14793446	0.16591427	0.15692589	0.00898838	0.39479069	0.89054584
Cyb5d1	0.02076544	0.03119708	0.02222191	0.00897517	0.02993891	0.26898821
Zfp213	0.12839158	0.14560069	0.13663876	0.00896194	0.37996484	0.89054584
A230107N01	0.0248922	0.03559943	0.02663768	0.00896175	0.05850892	0.43830347
Mlxip	0.13035013	0.14762152	0.13867854	0.00894298	0.38192017	0.89054584
Tekt2	0.42747973	0.43720992	0.4282728	0.00893712	0.46127507	0.89054584
Cyth2	1.10133501	0.89473858	0.88581456	0.00892402	0.48128217	0.89054584
Dusp9	0.04938364	0.0617598	0.05283753	0.00892226	0.21572312	0.89054584
Zfp654	0.11480324	0.13135799	0.12244786	0.00891013	0.36729882	0.89054584
Zfp414	0.3534123	0.36909392	0.36019382	0.0089001	0.45417553	0.89054584
Ascl1	0.01979135	0.03007599	0.02117956	0.00889642	0.02517511	0.2370057
Hist1h3c	0.02741619	0.03821825	0.02933832	0.00887993	0.07924943	0.538911
Tnni2	0.01851925	0.028698	0.01981832	0.00887968	0.01842339	0.19010839
Pdp2	0.04135371	0.05312078	0.04424909	0.00887169	0.17512851	0.84296586
Fjx1	0.0826184	0.09722208	0.08835716	0.00886491	0.32009481	0.89054584
Grtp1	0.11998091	0.13670607	0.12786325	0.00884283	0.37364862	0.89054584
Sp100	0.01364863	0.02343934	0.01460622	0.00883312	0.00241999	0.03558314
Ngef	0.03359164	0.04477633	0.0359455	0.00883083	0.1261926	0.71147001
Exoc3l	0.03670553	0.04810354	0.0392768	0.00882674	0.1475472	0.77404405
Cntnap1	0.02949629	0.04038978	0.03156391	0.00882587	0.09633378	0.61015603
Sifn9	0.07047019	0.08419512	0.07537975	0.00881538	0.29292982	0.89054584
Rab6b	0.0334862	0.04464122	0.03583269	0.00880852	0.12604705	0.71106229

Gtf3c3	0.2242928	0.24350353	0.23471166	0.00879187	0.43073021	0.89054584
Serpina1c	0.05743236	0.07022989	0.06144398	0.00878591	0.25264641	0.89054584
Azin2	0.09125435	0.10635334	0.09757738	0.00877596	0.33760143	0.89054584
Cenpq	0.17661195	0.19519819	0.18642335	0.00877484	0.41321066	0.89054584
Miip	0.11746098	0.13399798	0.12522887	0.00876911	0.37212109	0.89054584
Fam83d	0.04033677	0.0519162	0.04316128	0.00875492	0.17232221	0.83696674
Plxna1	0.10775134	0.12380813	0.11505619	0.00875194	0.36152325	0.89054584
Homer3	0.21132414	0.23040738	0.22167465	0.00873273	0.42718874	0.89054584
Txnrd3	0.05656759	0.06924146	0.0605194	0.00872206	0.25096794	0.89054584
Cpxm2	0.04451661	0.05634715	0.04763221	0.00871494	0.19699189	0.89054584
D630003M21	0.04018455	0.05170447	0.04299846	0.00870601	0.17276156	0.83703076
Afm	0.05235256	0.06471477	0.05601245	0.00870233	0.23458431	0.89054584
Tsr3	0.50071267	0.50116267	0.4924777	0.00868496	0.46725912	0.89054584
Trps1	0.16732465	0.18558917	0.17690697	0.0086822	0.40957029	0.89054584
Ubttd1	0.12630495	0.14312922	0.13446396	0.00866526	0.38199849	0.89054584
Gm10126	0.03341802	0.04442247	0.03575975	0.00866272	0.12952944	0.72054099
Gata2	0.03392119	0.04492953	0.03629807	0.00863147	0.13395927	0.73233089
Tmtc2	0.10689716	0.12277848	0.11415961	0.00861887	0.36251559	0.89054584
Ccnf	0.06015363	0.07295652	0.06435327	0.00860325	0.2666935	0.89054584
Lym5	0.38559812	0.39874469	0.39014968	0.00859502	0.45912566	0.89054584
Tchh	0.04359626	0.05523981	0.04664781	0.008592	0.19541179	0.89054584
Ndc80	0.04309966	0.05470265	0.04611663	0.00858602	0.19286023	0.88708362
Socs7	0.25365485	0.27252176	0.26394986	0.0085719	0.43986897	0.89054584
Tor1aip1	0.50533862	0.50499557	0.49642464	0.00857092	0.46794443	0.89054584
Pip5k1c	0.18583563	0.20441078	0.19583998	0.0085708	0.41921762	0.89054584
Camta2	0.09536883	0.110539	0.10196853	0.00857047	0.34768259	0.89054584
Gm16638	0.10197617	0.11754464	0.10898918	0.00855546	0.35728741	0.89054584
Psmb10	0.39977718	0.41170019	0.40316711	0.00853307	0.46072516	0.89054584
Dusp28	0.19437164	0.2130515	0.20452278	0.00852872	0.42297814	0.89054584
Gm28172	0.06909667	0.08243822	0.073912	0.00852623	0.2954822	0.89054584

Tescl	0.01446149	0.02400214	0.01547609	0.00852605	0.00513365	0.06725758
Hey2	0.02193962	0.0319801	0.02347834	0.00850176	0.04579665	0.36907161
Slc39a2	0.02529886	0.0355664	0.02707281	0.00849359	0.07191786	0.50812144
Nudt21	1.04103819	0.86414165	0.85565885	0.0084828	0.48158034	0.89054584
Cnep1r1	0.49871088	0.49924489	0.49076557	0.00847931	0.46792142	0.89054584
Frmd6	0.13622438	0.15325876	0.14478763	0.00847113	0.39258729	0.89054584
Kremen1	0.10748928	0.12324387	0.11478115	0.00846272	0.36561117	0.89054584
Shisa9	0.02793016	0.03834571	0.02988825	0.00845746	0.09369519	0.5972952
D630033O11	0.04660229	0.05832039	0.04986295	0.00845744	0.21469948	0.89054584
Slc37a1	0.24231787	0.26115961	0.25270745	0.00845217	0.43808547	0.89054584
Nr1h2	0.36654786	0.38093854	0.37248677	0.00845178	0.45790542	0.89054584
Ttc37	0.09922675	0.11453481	0.10608479	0.00845002	0.35528129	0.89054584
Gm16152	0.02591016	0.03617211	0.0277269	0.00844521	0.07794282	0.53259744
Slc12a4	0.09382484	0.10875855	0.10032085	0.00843769	0.3475846	0.89054584
Pate2	0.01432821	0.02376974	0.01533346	0.00843627	0.00518429	0.06765245
Ptpdc1	0.06876919	0.08199815	0.07356203	0.00843611	0.29657093	0.89054584
Kcnq4	0.0826035	0.09676212	0.08834126	0.00842087	0.32848522	0.89054584
Bsdc1	0.36341548	0.37798329	0.36956331	0.00841998	0.4577327	0.89054584
Stambpl1	0.04742247	0.0591521	0.05074014	0.00841196	0.21994363	0.89054584
Otud3	0.07906011	0.09295373	0.08455683	0.00839691	0.32180562	0.89054584
Trim16	0.04366457	0.05510738	0.04672087	0.00838651	0.20149561	0.89054584
Ptges	0.03854986	0.04962993	0.0412498	0.00838013	0.17194926	0.83696674
Camta1	0.53504259	0.529817	0.52144891	0.00836809	0.4702006	0.89054584
Acsf2	0.0991785	0.11439707	0.10603332	0.00836374	0.35662675	0.89054584
Hmgcs2	0.06426776	0.0770997	0.06875108	0.00834862	0.28578287	0.89054584
Zfp932	0.18763011	0.20601306	0.19766789	0.00834518	0.42203431	0.89054584
Rpl7l1	0.74281235	0.68851231	0.68017631	0.008336	0.47723342	0.89054584
D16Ertd472e	0.05116593	0.06304848	0.05474353	0.00830495	0.23984786	0.89054584
Kif11	0.04856643	0.06025701	0.05196358	0.00829344	0.2285679	0.89054584
Rbl1	0.08010092	0.09396134	0.08566851	0.00829283	0.32599762	0.89054584

Bag4	0.45786813	0.46359037	0.45530322	0.00828715	0.46621051	0.89054584
Pcgf1	0.17582061	0.19389552	0.18561389	0.00828163	0.41766507	0.89054584
Cpne7	0.01777381	0.02729459	0.01902063	0.00827396	0.02134977	0.21027779
Slc35c2	0.33988678	0.35570942	0.34743954	0.00826988	0.45585028	0.89054584
Pld1	0.13814003	0.15502626	0.14677699	0.00824926	0.39672046	0.89054584
Tmub2	0.36106661	0.37560513	0.36736794	0.00823718	0.45840075	0.89054584
Zfp354a	0.04467449	0.05603776	0.04780107	0.00823669	0.21104798	0.89054584
Rab29	0.08877963	0.10316961	0.09493571	0.0082339	0.34307833	0.89054584
Dpp10	0.05611798	0.06825363	0.06003868	0.00821495	0.26190879	0.89054584
Slc28a2	0.01950361	0.02908528	0.02087167	0.00821361	0.0333693	0.29302733
Ankle1	0.02733725	0.03746398	0.02925386	0.00821013	0.09551519	0.60576518
Tgfbr1	0.40454477	0.41572629	0.40751874	0.00820756	0.46262108	0.89054584
Asb3	0.23712491	0.25573909	0.24753783	0.00820126	0.43866413	0.89054584
Spred1	0.15509391	0.17250025	0.16432076	0.00817949	0.40830369	0.89054584
Smap2	0.48734286	0.48916124	0.48099691	0.00816434	0.46848455	0.89054584
Pnp	0.3599912	0.37451949	0.36636192	0.00815756	0.45868869	0.89054584
6030408B16	0.03626522	0.04696176	0.03880576	0.008156	0.1637423	0.81785018
Kdelc2	0.33944107	0.35517099	0.34701759	0.0081534	0.45641689	0.89054584
Tm9sf4	0.52587295	0.52192963	0.51378275	0.00814688	0.47055484	0.89054584
Hist2h2ac	0.05161417	0.06335929	0.05522286	0.00813644	0.24621785	0.89054584
Elavl4	0.22655596	0.24510954	0.23697903	0.00813052	0.43650211	0.89054584
Lrig3	0.05623853	0.06828616	0.06016758	0.00811858	0.26479106	0.89054584
Map2k4	0.26501041	0.28326305	0.27515137	0.00811169	0.44537732	0.89054584
Ddx23	0.23034415	0.24886086	0.24076905	0.00809181	0.43778851	0.89054584
Epha2	0.030006	0.0401997	0.03210927	0.00809043	0.12021888	0.69411919
Myg1	0.6359081	0.61024922	0.60216852	0.0080807	0.47507443	0.89054584
Cecr5	0.14352655	0.16044236	0.15236311	0.00807925	0.40243615	0.89054584
Eid2b	0.22064669	0.23912678	0.23105393	0.00807285	0.4353459	0.89054584
Gm20498	0.07041802	0.08339465	0.07532401	0.00807064	0.30882438	0.89054584
Xpa	0.44810131	0.45474179	0.44667451	0.00806728	0.46647095	0.89054584

BC035044	0.01190624	0.02080514	0.01274164	0.0080635	0.00159714	0.02479162
Ptch1	0.24319174	0.26163602	0.25357616	0.00805985	0.44113854	0.89054584
Slitrk5	0.02699664	0.03693643	0.02888941	0.00804701	0.09719059	0.61237252
4931406C07I	0.3865727	0.39908218	0.39104783	0.00803434	0.46187104	0.89054584
Mctp2	0.0684999	0.08130102	0.07327425	0.00802677	0.30489967	0.89054584
Tanc2	0.13096948	0.14734876	0.13932328	0.00802548	0.39420712	0.89054584
Dctn5	0.36279019	0.376991	0.36897908	0.00801192	0.45971049	0.89054584
Ppil4	0.73720213	0.68429245	0.6762821	0.00801035	0.47799607	0.89054584
Fign	0.07042419	0.08334053	0.07533059	0.00800993	0.31016344	0.89054584
Lrfn5	0.01707719	0.02628491	0.01827518	0.00800973	0.02057871	0.20491081
Atp10a	0.02808798	0.03805372	0.03005711	0.00799662	0.10758029	0.64845225
BC055324	0.06796012	0.08068542	0.0726974	0.00798802	0.30435136	0.89054584
Ift88	0.29766983	0.31499457	0.30702435	0.00797021	0.45186769	0.89054584
Spata2	0.07914427	0.09261499	0.08464673	0.00796826	0.330486	0.89054584
Ptpn21	0.10937904	0.12471219	0.11676394	0.00794825	0.375569	0.89054584
Sec16b	0.06340576	0.07577113	0.0678297	0.00794143	0.29271724	0.89054584
Myo10	0.38869034	0.40092659	0.39299761	0.00792899	0.46255567	0.89054584
Faah	0.36710576	0.38093313	0.37300689	0.00792624	0.4605689	0.89054584
Espn	0.05745174	0.06938823	0.0614647	0.00792353	0.27405567	0.89054584
Fus	2.35189298	1.13742166	1.12952357	0.0078981	0.48700585	0.89054584
Fam134b	0.2202652	0.23856008	0.23067088	0.0078892	0.43670014	0.89054584
Ttl1	0.16131772	0.17861863	0.17073303	0.00788559	0.4148131	0.89054584
Stap1	0.02407913	0.03365171	0.02576769	0.00788402	0.07701016	0.52914378
St6galnac4	0.23359847	0.2518951	0.24402017	0.00787493	0.44024359	0.89054584
Tank	0.21059956	0.22881589	0.22094405	0.00787184	0.43408254	0.89054584
Acot8	0.34484532	0.35998864	0.35212671	0.00786193	0.45857668	0.89054584
Gna14	0.03472336	0.04501692	0.03715627	0.00786065	0.16215742	0.81460788
Man1c1	0.09002972	0.10411558	0.09627018	0.0078454	0.35209374	0.89054584
Spry2	0.08764463	0.10156722	0.09372401	0.00784321	0.34831282	0.89054584
1810044D09	0.11974824	0.13546315	0.12762011	0.00784304	0.38731625	0.89054584

Lym2	0.63221935	0.607173	0.59933555	0.00783745	0.47570968	0.89054584
Aldh18a1	0.3800005	0.39281107	0.38498065	0.00783042	0.46225201	0.89054584
Cpsf1	0.12302513	0.138869	0.13104254	0.00782646	0.39040895	0.89054584
Nfkbie	0.0384248	0.04892659	0.04111601	0.00781058	0.18806949	0.87616692
Ppfia4	0.02837843	0.0381782	0.03036787	0.00781033	0.11541254	0.67725583
Nckap5	0.04587648	0.05689081	0.04908667	0.00780414	0.22943446	0.89054584
Capn7	0.4622834	0.46698763	0.45918509	0.00780254	0.46845053	0.89054584
Enpep	0.07447267	0.08745508	0.0796563	0.00779878	0.32414624	0.89054584
Hoxa1	0.01708424	0.02607536	0.01828272	0.00779264	0.02352889	0.2259085
lyd	0.02710134	0.03678944	0.02900144	0.007788	0.1054483	0.64180915
Gdf11	0.09882631	0.11343665	0.10565758	0.00777906	0.36579336	0.89054584
2600006K01l	0.04117169	0.05182884	0.04405438	0.00777446	0.20548637	0.89054584
Trim25	0.17730532	0.19488712	0.18713238	0.00775474	0.42345368	0.89054584
Chst15	0.07128916	0.08400369	0.07625486	0.00774883	0.31795324	0.89054584
Ppan	0.33442911	0.35001268	0.3422659	0.00774677	0.45800959	0.89054584
Manea	0.09827233	0.1128127	0.10506656	0.00774615	0.36561664	0.89054584
Fbln7	0.02099256	0.03020804	0.02246494	0.0077431	0.05415677	0.41543112
Nfe2l3	0.04884879	0.0600072	0.05226554	0.00774165	0.24506891	0.89054584
Ssh2	0.20159566	0.21958804	0.21184662	0.00774142	0.4324069	0.89054584
Mapkapk3	0.02639065	0.03597387	0.02824101	0.00773286	0.10103163	0.62409736
Zfp141	0.05913285	0.07098115	0.063262	0.00771915	0.28485506	0.89054584
Urb2	0.0610791	0.07305972	0.06534261	0.00771711	0.29108025	0.89054584
Wdr83os	1.22085804	0.94701114	0.93929513	0.00771601	0.48473552	0.89054584
Inf2	0.04923288	0.0603766	0.05267631	0.00770029	0.24791988	0.89054584
Nrbp2	0.07822649	0.09136389	0.0836664	0.00769749	0.33409524	0.89054584
Ptar1	0.06723294	0.0796134	0.07192025	0.00769314	0.30911649	0.89054584
S1pr1	0.03501765	0.04515989	0.0374711	0.00768878	0.1695414	0.83300813
Ciao1	0.45570518	0.46107456	0.45339727	0.00767728	0.4685605	0.89054584
Nespas	0.25974642	0.27763859	0.26996606	0.00767253	0.44733053	0.89054584
Myo1g	0.01773135	0.02664527	0.01897519	0.00767008	0.0298353	0.26849919

1810012K16l	0.01682939	0.0256709	0.01801001	0.00766089	0.02375262	0.22745406
Myl7	0.02076144	0.02986771	0.02221762	0.00765008	0.05433611	0.4159266
Tm4sf5	0.01673583	0.0255519	0.01790989	0.00764201	0.02340943	0.22535852
Cwf19l1	0.05003075	0.06116963	0.05352957	0.00764007	0.25304044	0.89054584
Pias4	0.44073818	0.44776859	0.44013181	0.00763678	0.46778544	0.89054584
Fam129c	0.04808914	0.05908768	0.05145313	0.00763454	0.24469254	0.89054584
Creb3l4	0.04109632	0.05160721	0.04397377	0.00763345	0.2093295	0.89054584
Fam161b	0.07845786	0.09154104	0.08391355	0.00762749	0.33597107	0.89054584
Cep85l	0.04656683	0.05745103	0.04982502	0.00762601	0.2378986	0.89054584
Cep63	0.25695827	0.27482788	0.26721435	0.00761354	0.44719805	0.89054584
Cep89	0.28247185	0.29985803	0.29225599	0.00760204	0.45177171	0.89054584
Itga3	0.06753972	0.07984718	0.07224811	0.00759907	0.31205686	0.89054584
Tab1	0.16273393	0.17977873	0.17218994	0.0075888	0.41865717	0.89054584
Abcc3	0.07007344	0.08253967	0.07495579	0.00758387	0.31868395	0.89054584
Il17d	0.04265559	0.05321888	0.04564164	0.00757724	0.21962561	0.89054584
Shprh	0.19182441	0.20949462	0.201935	0.00755961	0.43077102	0.89054584
Lmbr1l	0.17089227	0.18812525	0.1805668	0.00755845	0.42268814	0.89054584
Gm15675	0.01672328	0.02544835	0.01789646	0.00755189	0.02465136	0.23389751
Sdk2	0.14600898	0.16248322	0.15493369	0.00754953	0.41020471	0.89054584
Prickle3	0.1406855	0.15696756	0.1494182	0.00754936	0.40695182	0.89054584
Polr1b	0.09195198	0.10586464	0.098322	0.00754263	0.36039468	0.89054584
Tnfrsf23	0.02014301	0.02908152	0.02155586	0.00752566	0.05191683	0.40293905
Vsir	0.04422862	0.05483766	0.04732417	0.00751349	0.229746	0.89054584
Tfpi2	0.04835459	0.05924284	0.05173702	0.00750582	0.24955146	0.89054584
Ttc8	0.48961464	0.49045497	0.48295527	0.0074997	0.47116263	0.89054584
Msantd4	0.60561004	0.58612069	0.57862886	0.00749183	0.47594964	0.89054584
Rspo4	0.02400812	0.03317957	0.0256917	0.00748786	0.08725539	0.57076343
Zfp46	0.15969914	0.17655419	0.16906694	0.00748725	0.41826872	0.89054584
Clint1	0.65228915	0.62212009	0.61463586	0.00748423	0.47737996	0.89054584
Strip1	0.29090874	0.30795025	0.30046844	0.00748181	0.45382234	0.89054584

Gpcpd1	0.458002	0.46289838	0.4554211	0.00747728	0.46951373	0.89054584
Dock8	0.06457271	0.07654425	0.06907702	0.00746723	0.30726013	0.89054584
Abcb1b	0.01659426	0.02521782	0.01775839	0.00745942	0.02517428	0.2370057
Myof	0.07595857	0.08870113	0.08124374	0.0074574	0.33445439	0.89054584
Nsun6	0.07334893	0.08591181	0.07845569	0.00745612	0.32896697	0.89054584
Crcp	0.32442728	0.34019	0.33274549	0.00744451	0.45849165	0.89054584
Cluap1	0.39276669	0.40418647	0.39674477	0.0074417	0.46518184	0.89054584
Plxna3	0.11639736	0.13155163	0.12411624	0.00743539	0.39008341	0.89054584
Anks6	0.06544553	0.07744295	0.07000992	0.00743302	0.31042556	0.89054584
Trim59	0.20739356	0.22514019	0.21770862	0.00743157	0.43682075	0.89054584
Ndufaf6	0.20180693	0.21947598	0.21206047	0.00741551	0.43529155	0.89054584
Tmem240	0.03709513	0.04710847	0.03969358	0.00741489	0.19206691	0.88511955
Pacs1	0.07360876	0.08614567	0.0787333	0.00741237	0.33046947	0.89054584
Acsl3	0.19403131	0.21157915	0.20417719	0.00740196	0.43293813	0.89054584
Jak1	0.82714159	0.74338239	0.73598145	0.00740094	0.4813165	0.89054584
Csf1	0.10785106	0.12255139	0.11516084	0.00739055	0.38247319	0.89054584
Zfp454	0.03289538	0.04259038	0.0352006	0.00738977	0.16402085	0.8182981
Sspn	0.10382116	0.11830996	0.11092872	0.00738124	0.37827759	0.89054584
Plekho2	0.06615325	0.07814648	0.07076633	0.00738015	0.31352737	0.89054584
Cdc73	0.38008915	0.39243829	0.38506265	0.00737565	0.46444587	0.89054584
Gmip	0.1010881	0.11542914	0.10805515	0.00737398	0.37526556	0.89054584
Map4k1	0.03806643	0.04810033	0.04073265	0.00736768	0.19969689	0.89054584
Pcdhb11	0.01598193	0.02446314	0.01710313	0.00736001	0.02248755	0.21939735
Plcd3	0.03695962	0.04690438	0.03954862	0.00735576	0.19310004	0.88734213
Ficd	0.1528075	0.16931628	0.16196122	0.00735506	0.4162197	0.89054584
Echdc1	0.25901347	0.27659041	0.26924302	0.00734739	0.44941552	0.89054584
Cd79b	0.02019452	0.028934	0.02161098	0.00732301	0.05720122	0.43192879
Hmgcr	0.74001225	0.68555524	0.67823551	0.00731972	0.47994935	0.89054584
BC025920	0.03087946	0.04036218	0.0330438	0.00731839	0.15107342	0.78251605
Fgf12	0.22434806	0.24208536	0.23476706	0.00731831	0.44226406	0.89054584

Depdc7	0.02290509	0.03181405	0.02451144	0.00730261	0.08256497	0.55242329
Kcnh8	0.11186276	0.1266624	0.11936794	0.00729446	0.38793566	0.89054584
Gm4285	0.06812186	0.08015441	0.07287025	0.00728416	0.32071127	0.89054584
Syt16	0.05744083	0.06873334	0.06145303	0.0072803	0.29049414	0.89054584
Specc1l	0.24801127	0.26563536	0.25836087	0.00727449	0.44781701	0.89054584
Zfyve21	0.78190753	0.71395361	0.70668596	0.00726765	0.48089273	0.89054584
Pparg	0.02446247	0.0334358	0.02617786	0.00725794	0.09822814	0.61534939
Tmem231	0.10657851	0.1210665	0.11382507	0.00724142	0.3834636	0.89054584
Zkscan2	0.01905805	0.02762227	0.02039488	0.00722739	0.04936904	0.3900558
Trpc4	0.02817452	0.03736341	0.0301497	0.00721371	0.13248677	0.72954347
Esm1	0.01269459	0.02079166	0.01358528	0.00720639	0.00672999	0.08389633
Fzd6	0.07032252	0.0824222	0.07522196	0.00720024	0.32781547	0.89054584
Cdc40	0.4288864	0.43672347	0.42953592	0.00718755	0.46893016	0.89054584
Pacrg	0.22471836	0.24229449	0.2351382	0.0071563	0.44362207	0.89054584
Rnf165	0.07904871	0.09169938	0.08454466	0.00715473	0.34669076	0.89054584
Coro2a	0.04861103	0.05913905	0.05201127	0.00712778	0.26158219	0.89054584
Zfp119a	0.06521153	0.07688513	0.06975982	0.00712531	0.3170846	0.89054584
Larp6	0.03265656	0.04203349	0.03494509	0.0070884	0.17231979	0.83696674
Wash1	0.46875536	0.47193782	0.46485397	0.00708384	0.4717001	0.89054584
Pcx	0.17946081	0.19641744	0.1893354	0.00708204	0.43082803	0.89054584
Syde1	0.14276971	0.15865954	0.15157891	0.00708063	0.4138584	0.89054584
Lrnf4	0.17322303	0.19002587	0.18295497	0.0070709	0.42855267	0.89054584
Slc39a11	0.22592644	0.2434161	0.23634857	0.00706753	0.44460011	0.89054584
Acpt	0.0242723	0.03303864	0.02597438	0.00706426	0.10256092	0.6298723
1700040D17	0.01195148	0.01985377	0.01279005	0.00706373	0.00504027	0.06631018
Was	0.02133299	0.02987656	0.02282922	0.00704735	0.07518748	0.52181337
Klhl42	0.09895154	0.11283451	0.10579119	0.00704332	0.37821169	0.89054584
Ccdc88b	0.03231855	0.04162362	0.03458346	0.00704015	0.17145772	0.83588128
Gm13139	0.03701361	0.04663676	0.03960638	0.00703038	0.20412089	0.89054584
Foxc2	0.03023304	0.03937537	0.03235218	0.00702318	0.15591549	0.79725592

Vezf1	0.65812343	0.62604915	0.61903231	0.00701685	0.47894166	0.89054584
Fmod	0.05601946	0.06694726	0.05993334	0.00701392	0.2927978	0.89054584
B3galt5	0.03585784	0.0453654	0.03836995	0.00699545	0.19782965	0.89054584
Frs3	0.05285779	0.06354404	0.0565527	0.00699134	0.28232035	0.89054584
Cdc42ep3	0.18812986	0.20516633	0.1981767	0.00698963	0.43473988	0.89054584
Tmem151b	0.04444629	0.05453508	0.04755699	0.00697809	0.24711031	0.89054584
Fgf2	0.052253	0.0628824	0.05590599	0.00697641	0.28049193	0.89054584
Ctnnal1	0.24698544	0.26430746	0.25734337	0.00696409	0.44983518	0.89054584
Dchs1	0.06822776	0.07994656	0.07298342	0.00696314	0.32834194	0.89054584
Fkbp3	1.9820567	1.12349298	1.11653207	0.00696091	0.48841407	0.89054584
Entpd1	0.02434311	0.03298944	0.02605015	0.00693929	0.10729235	0.64845225
Vsig10	0.30376079	0.31984907	0.31291079	0.00693829	0.45886067	0.89054584
Spaca6	0.13503096	0.15047212	0.14354758	0.00692454	0.41109038	0.89054584
Plcg2	0.01660646	0.02468831	0.01777145	0.00691685	0.03489179	0.30373211
Parn	0.21561281	0.23290873	0.22599422	0.00691451	0.44332486	0.89054584
BC037039	0.01749289	0.02562215	0.01872002	0.00690213	0.04291965	0.35294902
Trpc5	0.02481415	0.03345567	0.02655417	0.0069015	0.11297248	0.66962283
Gstp1	0.82332601	0.74046872	0.73356776	0.00690096	0.48252056	0.89054584
Megf11	0.03449198	0.04380856	0.03690873	0.00689984	0.19188873	0.88486593
Gm9008	0.04384803	0.05381507	0.0469171	0.00689796	0.2466787	0.89054584
Dubr	0.0958753	0.10940066	0.10250897	0.0068917	0.37705623	0.89054584
Soat2	0.01666421	0.02472441	0.01783325	0.00689116	0.03590526	0.30996718
Acer2	0.53898296	0.5316156	0.52472656	0.00688905	0.47561332	0.89054584
Fahd2a	0.33515709	0.34984502	0.34295679	0.00688822	0.4627238	0.89054584
Irak4	0.06842296	0.08006853	0.07319203	0.0068765	0.33079669	0.89054584
Lrch4	0.02552582	0.03418631	0.02731565	0.00687065	0.1206277	0.69533658
Il1rl2	0.05049835	0.06089216	0.05402963	0.00686253	0.27700831	0.89054584
Otos	0.012473	0.02020831	0.01334814	0.00686017	0.00832321	0.10047453
Gpc6	0.11032843	0.12460964	0.11775957	0.00685007	0.39319151	0.89054584
Lat	0.02017163	0.02843568	0.0215865	0.00684919	0.06967214	0.49636689

Al413582	0.33846804	0.35294232	0.34609604	0.00684628	0.46328521	0.89054584
Serinc2	0.15894093	0.1751273	0.16828611	0.00684119	0.4248913	0.89054584
Gm10605	0.01935813	0.02755489	0.02071598	0.0068389	0.0620193	0.45665604
Gm26691	0.03826627	0.04778282	0.04094643	0.0068364	0.21832734	0.89054584
D030040B21	0.01626847	0.02423315	0.01740976	0.00682338	0.03392721	0.29648991
Slc44a2	0.21847252	0.23569142	0.22886999	0.00682143	0.4447808	0.89054584
Amy1	0.01926611	0.02743318	0.02061752	0.00681565	0.06176393	0.45559551
Fgd5	0.02542311	0.03401621	0.02720575	0.00681046	0.12175051	0.69961907
Eil	0.14400912	0.1596672	0.152863	0.0068042	0.41785753	0.89054584
BC049730	0.01999864	0.02820269	0.02140138	0.00680131	0.06935665	0.49496101
Zbtb21	0.14985995	0.16571122	0.15891662	0.0067946	0.42105449	0.89054584
2210016F16l	0.60055558	0.58142257	0.57464146	0.00678111	0.47807789	0.89054584
Vrk3	0.41253893	0.42156538	0.41478614	0.00677923	0.46965171	0.89054584
Erich1	0.31205199	0.3276729	0.32089376	0.00677915	0.46079781	0.89054584
Wipf1	0.16359428	0.17985338	0.17307462	0.00677876	0.42760485	0.89054584
Gltscr1l	0.07053809	0.08222434	0.07545231	0.00677203	0.33791815	0.89054584
Atr	0.15379155	0.16973492	0.162977	0.00675792	0.42340695	0.89054584
Kcnn3	0.0249432	0.03344925	0.02669225	0.006757	0.11912226	0.6908542
Alas1	0.37517698	0.38726919	0.38051242	0.00675677	0.46703355	0.89054584
Pde5a	0.06767278	0.07914363	0.07239031	0.00675332	0.33191392	0.89054584
Zbtb7a	0.9144884	0.79508295	0.7883424	0.00674055	0.48411222	0.89054584
Ccdc62	0.04789576	0.05798057	0.05124631	0.00673426	0.27019277	0.89054584
D15Ertd621e	0.29641608	0.31253921	0.30581038	0.00672883	0.45917516	0.89054584
Cfi	0.06990821	0.08149938	0.07477922	0.00672016	0.33772368	0.89054584
Trmt44	0.07773302	0.08985533	0.08313928	0.00671605	0.35332749	0.89054584
Tdh	0.00941798	0.01678937	0.01007883	0.00671054	0.00096126	0.01590912
Ints9	0.16099683	0.17710574	0.1704028	0.00670294	0.42729562	0.89054584
Kank2	0.2605041	0.27741144	0.27071323	0.00669821	0.45411343	0.89054584
Zcchc16	0.05165806	0.06195904	0.05526979	0.00668924	0.28642243	0.89054584
Dgkg	0.01513059	0.02285723	0.01619211	0.00666512	0.02757136	0.25315361

Slc2a10	0.02004469	0.02811419	0.02145066	0.00666353	0.07391008	0.5164088
Aldh3b1	0.08296833	0.09538905	0.08873086	0.00665819	0.36332025	0.89054584
Spata2l	0.04126236	0.05080622	0.04415137	0.00665484	0.24126708	0.89054584
Sfrp5	0.02655706	0.03506983	0.02841907	0.00665076	0.13778894	0.7438695
Zdhhc1	0.25578498	0.27270541	0.26605548	0.00664993	0.45364873	0.89054584
Rbm46	0.06737817	0.07871791	0.07207546	0.00664246	0.33382815	0.89054584
Adamts17	0.08176151	0.09407202	0.08744206	0.00662996	0.36195176	0.89054584
Shisa3	0.02507737	0.03345162	0.02683581	0.00661581	0.12536766	0.7081958
Lrrc16b	0.21764228	0.23464529	0.22803546	0.00660983	0.44628859	0.89054584
Arap2	0.04513085	0.05489641	0.04828918	0.00660723	0.26191082	0.89054584
Ap1m1	0.51774124	0.51354426	0.50694006	0.00660421	0.47580115	0.89054584
Ttc21b	0.08279073	0.09513777	0.08854119	0.00659657	0.3642564	0.89054584
Vprbp	0.22236871	0.23936825	0.23278219	0.00658605	0.44756555	0.89054584
Cep135	0.12237108	0.13693744	0.13035976	0.00657768	0.40707317	0.89054584
Bri3	1.16674854	0.92252348	0.91596138	0.0065621	0.4866868	0.89054584
Rad21	0.96258812	0.82143412	0.81487473	0.00655939	0.48504218	0.89054584
Pip4k2c	0.27069879	0.28729552	0.28073976	0.00655576	0.45668281	0.89054584
Mob2	0.37823133	0.38989771	0.38334329	0.00655442	0.46825432	0.89054584
Cgn	0.20620909	0.22306372	0.21651214	0.00655157	0.44394376	0.89054584
Gm13251	0.12694439	0.14168112	0.13513059	0.00655052	0.41066118	0.89054584
Slc38a3	0.02393628	0.03216361	0.02561484	0.00654878	0.11680312	0.68200227
Rai14	0.058886	0.06954311	0.0629981	0.00654501	0.31418316	0.89054584
RP24-308M1	0.02530427	0.03361571	0.0270786	0.00653711	0.13035246	0.72297247
Bnip3	0.40983286	0.41885821	0.41233021	0.00652801	0.47060056	0.89054584
Tmem56	0.01419908	0.02170911	0.01519528	0.00651383	0.02290337	0.22210909
Efna4	0.14626475	0.16170807	0.15519841	0.00650966	0.42253393	0.89054584
Dact1	0.10407866	0.11769034	0.11119932	0.00649102	0.39282802	0.89054584
Efna3	0.06028349	0.07097719	0.0644921	0.00648509	0.31971846	0.89054584
Zkscan5	0.07925679	0.09124315	0.0847669	0.00647625	0.36094045	0.89054584
Rpl9-ps6	1.06694402	0.87533852	0.86886334	0.00647518	0.48615126	0.89054584

Agri	0.1972206	0.21388384	0.2074138	0.00647004	0.44222498	0.89054584
Rab3c	0.07082414	0.0822259	0.07575797	0.00646793	0.34540245	0.89054584
Gm13111	0.06398755	0.07491889	0.06845157	0.00646732	0.3299042	0.89054584
Elf5	0.03555943	0.04449886	0.0380507	0.00644816	0.2149057	0.89054584
Wnt6	0.01990326	0.0277356	0.02129932	0.00643628	0.07958767	0.54059058
Vegfc	0.03266217	0.04138728	0.0349511	0.00643618	0.19546397	0.89054584
Zc4h2	0.08768318	0.10018828	0.09376517	0.00642312	0.37480734	0.89054584
E2f8	0.03195932	0.04062199	0.03419914	0.00642285	0.19079135	0.88318504
Tarbp2	0.36844121	0.38065432	0.37425122	0.0064031	0.46823386	0.89054584
Ankrd29	0.03911444	0.04824638	0.04185374	0.00639264	0.23835749	0.89054584
Epsti1	0.02943609	0.03789092	0.03149951	0.00639141	0.17224703	0.83696674
Susd2	0.04223298	0.05157673	0.04518961	0.00638712	0.25510944	0.89054584
Alg2	0.88648336	0.77853361	0.77215601	0.0063776	0.48465234	0.89054584
Hps6	0.10299597	0.11642419	0.11006139	0.00636279	0.39383425	0.89054584
Tmem140	0.02446793	0.03254435	0.02618371	0.00636063	0.12886659	0.71857996
Tanc1	0.16317725	0.17900579	0.17264584	0.00635996	0.43186545	0.89054584
Parp16	0.082646	0.09474325	0.08838664	0.00635661	0.36878878	0.89054584
Acy1	0.10590442	0.11946554	0.11311726	0.00634828	0.39686672	0.89054584
Zw10	0.12932068	0.1439545	0.13760657	0.00634793	0.4149142	0.89054584
Nudt1	0.1702337	0.18623108	0.17989161	0.00633947	0.43479343	0.89054584
Arap3	0.03766565	0.04663878	0.04030391	0.00633487	0.23199848	0.89054584
Arl4c	0.14888702	0.1642426	0.15791091	0.0063317	0.42590563	0.89054584
Fn3krp	0.02918848	0.03756362	0.03123458	0.00632903	0.1725754	0.83703076
Cog7	0.47653402	0.47795677	0.47163549	0.00632128	0.47510491	0.89054584
Ubtd2	0.09306901	0.10582313	0.0995142	0.00630892	0.38385794	0.89054584
Bcl11b	0.0228019	0.03070806	0.02440102	0.00630704	0.11425289	0.67417108
Nfx1	0.57978153	0.56438193	0.55807775	0.00630418	0.47901396	0.89054584
Dgcr2	0.35430445	0.36731917	0.36103164	0.00628753	0.46766625	0.89054584
Aldh16a1	0.12116639	0.13538457	0.12910174	0.00628283	0.41031658	0.89054584
Esr1	0.01616928	0.0235735	0.01730362	0.00626988	0.04569178	0.36863632

Rbm24	0.02236113	0.0301977	0.02392938	0.00626833	0.11115385	0.66208238
Eml5	0.21333318	0.22994981	0.22369917	0.00625064	0.44821167	0.89054584
Ykt6	0.36645013	0.37864109	0.37239564	0.00624546	0.46886024	0.89054584
Twf2	0.4875369	0.48740335	0.48116431	0.00623904	0.47591438	0.89054584
Zfp738	0.08831973	0.100677	0.09444474	0.00623225	0.3792558	0.89054584
Aox1	0.02325894	0.03111393	0.02489006	0.00622387	0.12201191	0.70028846
Akr1b10	0.06384591	0.07450701	0.06830017	0.00620684	0.3360069	0.89054584
Rcor2	0.22359453	0.24021733	0.23401164	0.0062057	0.45083604	0.89054584
Tnik	0.27320218	0.28939173	0.2831942	0.00619752	0.45939503	0.89054584
Eme1	0.04606483	0.05548253	0.04928812	0.00619442	0.27909732	0.89054584
Suclg2	0.66341848	0.62919375	0.62300217	0.00619158	0.4815348	0.89054584
Fam13c	0.02942948	0.03768288	0.03149243	0.00619045	0.17988456	0.85601281
Pdss2	0.16840837	0.1842084	0.17801926	0.00618914	0.43566237	0.89054584
Gm29394	0.02213407	0.02987369	0.02368641	0.00618728	0.11180368	0.66458783
Tcf7l1	0.12406889	0.13830905	0.13213181	0.00617725	0.41378915	0.89054584
Tradd	0.28789442	0.30371386	0.29753826	0.0061756	0.46148257	0.89054584
Cd200r1	0.01700064	0.02435828	0.01819326	0.00616502	0.05719767	0.43192879
Primpol	0.14373185	0.15873454	0.15257579	0.00615875	0.42541517	0.89054584
Ednra	0.10413345	0.11741314	0.1112569	0.00615624	0.39828221	0.89054584
Lpar2	0.01617494	0.02346113	0.01730967	0.00615146	0.04889326	0.38756396
Mospd1	0.12254341	0.1366857	0.13053967	0.00614603	0.41318839	0.89054584
Tmem171	0.05285804	0.06269867	0.05655297	0.0061457	0.306325	0.89054584
Nts	0.01467955	0.02185361	0.01570944	0.00614418	0.03421411	0.29872948
Slamf1	0.02754782	0.03561301	0.02947915	0.00613385	0.16617146	0.8246338
Aard	0.1091766	0.12268017	0.1165516	0.00612857	0.40323653	0.89054584
Utrn	0.31288296	0.32781685	0.32169204	0.00612481	0.46465888	0.89054584
Homer2	0.1358481	0.15052089	0.14439671	0.00612418	0.42168061	0.89054584
E130311K13I	0.12656663	0.14085899	0.13473679	0.0061222	0.41617288	0.89054584
lsm1	0.03672017	0.04541289	0.03929246	0.00612044	0.2340097	0.89054584
C030014I23R	0.08848434	0.10074064	0.09462047	0.00612017	0.38157531	0.89054584

Eid1	1.02808404	0.85502808	0.84893726	0.00609082	0.48666734	0.89054584
Mettl8	0.10914737	0.12260065	0.11652093	0.00607971	0.40396802	0.89054584
Dnajb12	0.25578082	0.27213005	0.26605137	0.00607868	0.45761406	0.89054584
Pla2g12a	0.43050596	0.43703053	0.43098875	0.00604178	0.47396319	0.89054584
Usp6nl	0.09332155	0.10582323	0.09978373	0.0060395	0.38897684	0.89054584
Pcdh7	0.05002296	0.05955959	0.05352124	0.00603835	0.29957308	0.89054584
Vgll3	0.08264562	0.0944237	0.08838623	0.00603747	0.37515059	0.89054584
Zhx1	0.34452745	0.35784495	0.35182663	0.00601832	0.46823973	0.89054584
Lrrtm1	0.01503706	0.02210992	0.01609202	0.0060179	0.04072853	0.34053187
Zbtb16	0.04127206	0.05017092	0.04416175	0.00600917	0.26305638	0.89054584
Al838599	0.01716533	0.02436381	0.01836949	0.00599431	0.06421773	0.46799603
Ppil3	0.38084971	0.39174492	0.38576596	0.00597896	0.47121792	0.89054584
Ext1	0.1118603	0.12534361	0.11936536	0.00597825	0.40774993	0.89054584
Fndc3b	0.33905176	0.3526164	0.34664894	0.00596746	0.46803816	0.89054584
Sertad4	0.10496658	0.11809965	0.11213222	0.00596742	0.40209106	0.89054584
Robo1	0.08550724	0.09740337	0.09144197	0.0059614	0.38066615	0.89054584
Onecut2	0.1045885	0.11769572	0.11173502	0.0059607	0.40185859	0.89054584
Wsb1	0.4983184	0.49638931	0.49042959	0.00595973	0.47742566	0.89054584
Kdm1b	0.05175025	0.06132732	0.05536838	0.00595894	0.30804063	0.89054584
Hist1h2be	0.06059446	0.07077655	0.06482453	0.00595202	0.33440859	0.89054584
Rxrg	0.02705322	0.03490084	0.02894995	0.00595089	0.1691115	0.8322688
Bace2	0.046079	0.05525358	0.04930328	0.0059503	0.2869637	0.89054584
Tgif2	0.11929528	0.13308816	0.12714671	0.00594145	0.41382826	0.89054584
Slc17a9	0.03185931	0.04001686	0.03409214	0.00592472	0.20906878	0.89054584
C1qtnf2	0.05401473	0.06371225	0.05778981	0.00592244	0.31651744	0.89054584
Kcnip1	0.08899724	0.10108955	0.09516801	0.00592154	0.38595079	0.89054584
Arid5a	0.0597139	0.06980393	0.06388318	0.00592075	0.33294519	0.89054584
Rhbdd1	0.09158222	0.10383995	0.09792734	0.00591261	0.38924191	0.89054584
Trim6	0.01539255	0.02237901	0.01647244	0.00590658	0.04740309	0.37844164
Gbp8	0.01477947	0.02170904	0.01581637	0.00589267	0.04130211	0.34374164

Nol4	0.29074731	0.30617318	0.30031163	0.00586155	0.4637724	0.89054584
Urb1	0.03969662	0.04833674	0.04247652	0.00586022	0.26018822	0.89054584
Nkain3	0.02412145	0.03167193	0.02581297	0.00585896	0.14514756	0.76747222
Lrmp	0.03233201	0.04045603	0.03459786	0.00585816	0.21509716	0.89054584
Sdcbp	1.2475618	0.95604002	0.95018379	0.00585623	0.48854624	0.89054584
Slc2a12	0.01893633	0.02611344	0.02026463	0.0058488	0.08936605	0.57918151
2410002F23l	0.47078874	0.47246649	0.46663027	0.00583621	0.47676676	0.89054584
Etfa	1.33052019	0.98762702	0.98179736	0.00582966	0.48896522	0.89054584
Slc39a10	0.36040314	0.372576	0.36674736	0.00582865	0.47048782	0.89054584
Nckap1l	0.02022361	0.02745064	0.02164211	0.00580853	0.10557411	0.64230526
Utp14a	0.25027344	0.26640873	0.26060296	0.00580577	0.45866681	0.89054584
Rrp9	0.25102162	0.26714669	0.26134397	0.00580272	0.45880518	0.89054584
Asap3	0.03969639	0.04827275	0.04247627	0.00579648	0.26246071	0.89054584
Slc35d2	0.03923459	0.04776997	0.04198227	0.0057877	0.26034446	0.89054584
Lama5	0.15642911	0.17147378	0.16569771	0.00577607	0.43549287	0.89054584
1810032O08	0.09135566	0.10346156	0.09768551	0.00577604	0.39147439	0.89054584
Syt4	0.02698316	0.03463612	0.02887499	0.00576113	0.17630188	0.84615131
Prpsap1	0.65936909	0.62572838	0.61996797	0.00576041	0.48273583	0.89054584
Tsku	0.0308844	0.03880428	0.03304908	0.0057552	0.20859305	0.89054584
Ppm1j	0.01609941	0.02298084	0.01722886	0.00575198	0.05992282	0.44597591
Tspan11	0.03572729	0.04397758	0.03823029	0.00574729	0.24184046	0.89054584
Mtrr	0.10121493	0.11392991	0.10818857	0.00574134	0.40236113	0.89054584
Nhp2	0.59572303	0.57655211	0.57081413	0.00573798	0.48132317	0.89054584
Ldlrad4	0.04546021	0.05437452	0.04864145	0.00573307	0.29146132	0.89054584
Gdap10	0.02706309	0.03469115	0.02896051	0.00573063	0.17829063	0.85140236
Sod3	0.08703495	0.09879098	0.0930731	0.00571788	0.38735522	0.89054584
Ifi204	0.01220677	0.01875298	0.01306325	0.00568973	0.02121819	0.20937119
Akap1	0.08871725	0.10055549	0.09486912	0.00568637	0.39002536	0.89054584
Nptx1	0.04091364	0.04946448	0.04377835	0.00568613	0.27254819	0.89054584
Gm12976	0.05274327	0.06211143	0.05643025	0.00568118	0.31951887	0.89054584

Ehmt2	0.62818907	0.60190711	0.59622961	0.0056775	0.48230712	0.89054584
Ttll13	0.05649098	0.06610988	0.0604375	0.00567238	0.33095896	0.89054584
Prl	0.04318604	0.05186063	0.04620903	0.0056516	0.28440246	0.89054584
Gm15860	0.05442222	0.0638731	0.05822552	0.00564758	0.32567288	0.89054584
Gm16104	0.02336541	0.03065093	0.02500399	0.00564694	0.14635768	0.77187839
Dcun1d1	0.57771513	0.56205368	0.55641439	0.00563929	0.48116948	0.89054584
Dkc1	0.49836022	0.49610186	0.49046539	0.00563647	0.47865046	0.89054584
Pot1a	0.13811986	0.15238831	0.14675606	0.00563225	0.42904646	0.89054584
Trim14	0.02422922	0.03156021	0.02592829	0.00563192	0.15577505	0.79690427
Atp11c	0.04802063	0.0570101	0.05137986	0.00563025	0.30483992	0.89054584
AW551984	0.15782533	0.17275726	0.16713681	0.00562045	0.43775244	0.89054584
Pglyrp1	0.05696473	0.06655641	0.06094401	0.0056124	0.33394462	0.89054584
Dzip3	0.35011858	0.36269222	0.35709695	0.00559527	0.47090313	0.89054584
Wwp2	0.16673357	0.18188662	0.17630011	0.0055865	0.44131739	0.89054584
E2f5	0.23833212	0.25432042	0.24874073	0.00557969	0.45838299	0.89054584
Fgf10	0.03376226	0.04169901	0.03612804	0.00557097	0.23625154	0.89054584
Shank1	0.01436811	0.02094312	0.01537616	0.00556695	0.04582343	0.3690823
Plekhh3	0.23623741	0.25221623	0.24665308	0.00556314	0.45815609	0.89054584
Trim65	0.05513155	0.06454078	0.05898397	0.0055568	0.33036239	0.89054584
Rapgef3	0.05672528	0.06623822	0.060688	0.00555022	0.33502345	0.89054584
Celsr3	0.06930973	0.07966926	0.07413967	0.00552958	0.3641156	0.89054584
Syt15	0.00726568	0.01330311	0.00777552	0.00552758	0.00046312	0.00842456
3110009E18I	0.13503994	0.14908316	0.14355692	0.00552624	0.42883281	0.89054584
Svopl	0.02130153	0.02831688	0.02279556	0.00552132	0.12956617	0.72054099
Gm15800	0.21739739	0.23329639	0.22778925	0.00550714	0.45515926	0.89054584
Fgr	0.0120919	0.01844372	0.01294032	0.00550341	0.02377276	0.22749665
Frk	0.1665195	0.18158138	0.17608029	0.00550109	0.44213659	0.89054584
Ctbp2	0.26183609	0.2775198	0.27202608	0.00549371	0.46251889	0.89054584
Hmgcs1	0.56307347	0.55004369	0.54455002	0.00549367	0.48125599	0.89054584
Rif1	0.41043293	0.41836809	0.41287517	0.00549291	0.47528826	0.89054584

Ccdc157	0.03322432	0.04104332	0.03555252	0.00549079	0.23590564	0.89054584
D10Wsu102e	0.19294984	0.20855802	0.20307869	0.00547933	0.44998298	0.89054584
Ppp1r3b	0.02392822	0.03107857	0.02560621	0.00547235	0.15970486	0.80704115
Cpne3	0.40918042	0.41720943	0.41173744	0.005472	0.4753143	0.89054584
4930447C04I	0.01111319	0.01735466	0.01189295	0.00546171	0.01619487	0.17264208
Acox3	0.09608567	0.10819185	0.10273345	0.0054584	0.40224622	0.89054584
Gpr180	0.48720347	0.48632518	0.48087665	0.00544853	0.47895054	0.89054584
Gm26734	0.01109243	0.01731697	0.01187074	0.00544624	0.01627864	0.17302624
Hoxaas3	0.02938224	0.0368876	0.0314419	0.0054457	0.20985542	0.89054584
Exoc3l4	0.037351	0.04539884	0.0399673	0.00543153	0.26331865	0.89054584
Cped1	0.05154256	0.06057203	0.05514627	0.00542575	0.32333773	0.89054584
Gm26513	0.01514526	0.02163243	0.0162078	0.00542463	0.05946112	0.44322231
Nip7	0.58880862	0.57073249	0.56531079	0.0054217	0.48218027	0.89054584
Borcs8	0.67790662	0.63918536	0.63376424	0.00542112	0.48410562	0.89054584
Gm17586	0.0690015	0.07923034	0.07381029	0.00542005	0.36613182	0.89054584
Fam129b	0.33436241	0.34761549	0.34220259	0.0054129	0.47062683	0.89054584
E130102H24	0.00721379	0.01311376	0.00771999	0.00539377	0.00056678	0.01013221
Gm21781	0.04933585	0.0581762	0.05278643	0.00538977	0.31714326	0.89054584
Mars	0.3957428	0.40484201	0.39947461	0.0053674	0.47504322	0.89054584
Fam217a	0.03733921	0.04531024	0.0399547	0.00535554	0.26615418	0.89054584
Inpp4b	0.03323949	0.04091687	0.03556875	0.00534812	0.24180183	0.89054584
Tstd2	0.22377706	0.23954264	0.23419465	0.00534799	0.45763642	0.89054584
Cytl1	0.01140081	0.01752794	0.01220075	0.00532719	0.02096454	0.20789599
Tm6sf1	0.04932392	0.0581006	0.05277367	0.00532693	0.31908104	0.89054584
Ptpn14	0.16656114	0.18144958	0.17612305	0.00532653	0.4439739	0.89054584
Wdr37	0.15415018	0.16867362	0.1633471	0.00532652	0.43962443	0.89054584
Zmat1	0.10004643	0.11228449	0.10695922	0.00532527	0.40828501	0.89054584
Ensa	0.51383611	0.50894807	0.50363966	0.00530841	0.48041755	0.89054584
Max	0.65046982	0.61856612	0.61326037	0.00530576	0.48392384	0.89054584
Dnajc21	0.30825954	0.32255028	0.31724639	0.00530389	0.46895755	0.89054584

Spire1	0.10044756	0.11267698	0.10738129	0.00529568	0.40913788	0.89054584
Hdx	0.02471507	0.03173929	0.02644815	0.00529114	0.17565445	0.84465613
Cenph	0.11956105	0.13270638	0.12742449	0.0052819	0.42343302	0.89054584
Pitrm1	0.17680127	0.19189798	0.18661696	0.00528102	0.44755465	0.89054584
Tk2	0.12834958	0.14187329	0.13659499	0.00527829	0.42856434	0.89054584
Tbx1	0.0197822	0.02644624	0.02116977	0.00527647	0.12277623	0.70117835
Zfp760	0.10710421	0.11965012	0.11437697	0.00527315	0.4149646	0.89054584
Trim71	0.01024703	0.01621835	0.01096603	0.00525231	0.01282547	0.14325401
Akap8	0.47790164	0.47807576	0.47282395	0.00525181	0.47936461	0.89054584
Gm5426	0.01330487	0.01948638	0.01423836	0.00524802	0.04297063	0.35316795
Abl1	0.23711236	0.25277322	0.24752533	0.0052479	0.46065794	0.89054584
Hn1l	0.63252581	0.60480598	0.59957127	0.00523471	0.48377706	0.89054584
Nup107	0.1319088	0.14553158	0.14030082	0.00523076	0.43105186	0.89054584
Rhof	0.04194403	0.05010468	0.04488053	0.00522415	0.29380356	0.89054584
Pms2	0.20316438	0.21865738	0.21343403	0.00522335	0.4546118	0.89054584
Bmpr2	0.26226332	0.27764178	0.27244699	0.00519479	0.46460738	0.89054584
Trim7	0.10129036	0.11346037	0.10826791	0.00519246	0.41159658	0.89054584
Rnf180	0.02045948	0.02707612	0.02189451	0.00518162	0.13510084	0.73635034
Hps1	0.14710613	0.16124505	0.15606904	0.00517601	0.43860253	0.89054584
Dcaf17	0.4340087	0.43930161	0.43412562	0.00517599	0.4778511	0.89054584
Mis18a	0.21597483	0.2315326	0.22635847	0.00517413	0.45759496	0.89054584
Tbc1d8b	0.07553238	0.08595523	0.08078843	0.00516679	0.38286651	0.89054584
Hcar1	0.02669619	0.03373367	0.02856793	0.00516574	0.19976993	0.89054584
Fundc1	0.44636217	0.45029772	0.44513201	0.00516571	0.47844107	0.89054584
Ptrh1	0.08717839	0.09839024	0.09322624	0.00516401	0.39817684	0.89054584
Cnbd2	0.03695654	0.04470929	0.03954533	0.00516396	0.27146762	0.89054584
Sec14l2	0.02027133	0.02684637	0.02169318	0.0051532	0.1342059	0.73312628
Wfdc10	0.03048345	0.03776633	0.03262011	0.00514623	0.23116785	0.89054584
Cand2	0.13721349	0.15095268	0.14581498	0.00513769	0.43480468	0.89054584
E2f7	0.05351954	0.06239677	0.05726032	0.00513645	0.3380016	0.89054584

Ccdc91	0.3529022	0.36485071	0.35971459	0.00513612	0.47348117	0.89054584
Tnfsf12	0.10683667	0.11923072	0.1140961	0.00513462	0.41696479	0.89054584
Gsg2	0.049031	0.05759354	0.05246041	0.00513313	0.32424279	0.89054584
Gm10184	0.06439594	0.07401454	0.06888808	0.00512646	0.36440637	0.89054584
C8b	0.02744341	0.0344884	0.02936744	0.00512096	0.20827964	0.89054584
Gpam	0.01310825	0.01914814	0.01402794	0.00512019	0.04451733	0.36199945
Mob3b	0.09007859	0.1014372	0.09632235	0.00511485	0.40230089	0.89054584
Rad18	0.07726135	0.0877407	0.08263544	0.00510526	0.38673774	0.89054584
Rpusd2	0.01952946	0.0259861	0.02089933	0.00508678	0.1284058	0.71695178
Foxa3	0.34443933	0.35682595	0.35174344	0.00508251	0.47316374	0.89054584
Cypr1	0.02793345	0.03497204	0.02989177	0.00508028	0.21423474	0.89054584
4833439L19F	0.78244785	0.71212334	0.70704461	0.00507873	0.48665175	0.89054584
Ppm1f	0.06908046	0.07896287	0.07389467	0.00506819	0.37465803	0.89054584
Pvr	0.05593092	0.064904	0.05983868	0.00506532	0.34665112	0.89054584
Nov	0.02554794	0.03239866	0.02733932	0.00505933	0.19429699	0.88917857
Skil	0.2865979	0.30133447	0.29627654	0.00505793	0.46830321	0.89054584
Poc1a	0.08250772	0.09329272	0.08823897	0.00505375	0.39479868	0.89054584
Dvl2	0.18876286	0.2038633	0.19882104	0.00504226	0.45297268	0.89054584
Gnpda1	0.14238249	0.15620576	0.1511776	0.00502815	0.43842805	0.89054584
Gm26810	0.01931431	0.02569435	0.0206691	0.00502525	0.12866543	0.71801057
Maoa	0.18162903	0.19656829	0.19154967	0.00501862	0.45142385	0.89054584
Sstr2	0.03630361	0.04386486	0.03884683	0.00501803	0.27364787	0.89054584
Stab2	0.0150405	0.02110575	0.01609569	0.00501006	0.07350501	0.51488639
H2-DMb1	0.01517854	0.02125074	0.01624342	0.00500732	0.07547276	0.52279223
Rnd1	0.0199776	0.02636227	0.02137887	0.0049834	0.13874016	0.74747802
Has2	0.01927694	0.02561021	0.02062911	0.0049811	0.13030586	0.72297247
Syt17	0.07858507	0.08902888	0.08404942	0.00497946	0.39126772	0.89054584
Poln	0.02042267	0.02683105	0.02185512	0.00497593	0.14440446	0.76687762
1700016K19I	0.09126349	0.102561	0.09758714	0.00497387	0.40615032	0.89054584
Gm43672	0.04358634	0.05160658	0.04663719	0.00496939	0.30979543	0.89054584

Malt1	0.0355668	0.04302741	0.03805859	0.00496882	0.27150833	0.89054584
D3Ertd254e	0.18325223	0.19817362	0.19320606	0.00496757	0.45232587	0.89054584
Gfra2	0.03925553	0.04697134	0.04200467	0.00496667	0.29085902	0.89054584
Fcho2	0.37589892	0.38613939	0.381182	0.00495738	0.47584253	0.89054584
Mrvi1	0.03130184	0.0384347	0.0334957	0.004939	0.24605107	0.89054584
Pum3	0.45852926	0.46081259	0.45588524	0.00492735	0.47991963	0.89054584
Wdr31	0.05835382	0.06734789	0.06242914	0.00491875	0.3567815	0.89054584
Gli1	0.0381751	0.04576693	0.0408489	0.00491804	0.28742695	0.89054584
4833403J16F	0.01839992	0.02460666	0.01969062	0.00491604	0.12238048	0.70076598
Gm11696	0.01520073	0.02117754	0.01626717	0.00491038	0.07981171	0.54094194
Osbpl7	0.05977149	0.06883073	0.06394475	0.00488598	0.3609251	0.89054584
Ar	0.01356403	0.01939869	0.0145157	0.004883	0.05852914	0.43830347
Wdr38	0.01573668	0.02171881	0.01684069	0.00487813	0.08858449	0.57669418
Wfikkn2	0.129238	0.14239764	0.13752046	0.00487718	0.43438155	0.89054584
Gm15261	0.05502222	0.06374356	0.05886708	0.00487648	0.34977015	0.89054584
Pcdhga10	0.01582803	0.02180754	0.01693845	0.00486909	0.09024458	0.58279103
Nfkb1	0.35058471	0.36239271	0.35753558	0.00485713	0.47476706	0.89054584
Enpp3	0.01995364	0.02620699	0.02135323	0.00485376	0.14479674	0.76727455
A830010M2C	0.06188307	0.07105575	0.06620205	0.0048537	0.36633456	0.89054584
Nefh	0.10204254	0.11390316	0.10905897	0.00484419	0.41802784	0.89054584
Nin	0.207088	0.2222431	0.21740002	0.00484308	0.45866858	0.89054584
Tmem169	0.01843125	0.02456431	0.01972415	0.00484016	0.12646309	0.712024
Ccdc68	0.02245519	0.02886346	0.02403002	0.00483343	0.17435196	0.84146294
Rab33a	0.06855114	0.07816053	0.07332901	0.00483152	0.37943334	0.89054584
Angptl4	0.04246531	0.05025967	0.04543812	0.00482155	0.3105219	0.89054584
Zfp768	0.20519722	0.22031094	0.21548952	0.00482142	0.45848926	0.89054584
Rasgrp1	0.0264021	0.03306818	0.02825327	0.00481491	0.21360513	0.89054584
Zbtb49	0.07224373	0.08208965	0.07727484	0.00481481	0.38579805	0.89054584
Zfp423	0.05924652	0.06819615	0.06338352	0.00481262	0.36176423	0.89054584
Cpne5	0.06598036	0.0753897	0.07058155	0.00480815	0.37547925	0.89054584

Dennd4a	0.08137517	0.0918173	0.08702945	0.00478785	0.39885673	0.89054584
Sgcd	0.03149881	0.03849179	0.03370644	0.00478535	0.2541663	0.89054584
Lat2	0.01094818	0.01650015	0.01171637	0.00478378	0.02856987	0.25985317
Cyp27a1	0.01115331	0.01670047	0.01193589	0.00476458	0.03145963	0.27913202
Mgmt	0.18940973	0.20423828	0.19947932	0.00475896	0.45574948	0.89054584
Wdr41	0.18351378	0.19822444	0.19347284	0.0047516	0.45445193	0.89054584
Aoc2	0.01561125	0.02145452	0.01670646	0.00474805	0.0927362	0.59385576
Map7d1	0.41195938	0.41899787	0.41426051	0.00473735	0.47875513	0.89054584
Gpr85	0.0709868	0.08065355	0.07593178	0.00472177	0.38601769	0.89054584
Polm	0.06165454	0.07067271	0.06595776	0.00471495	0.36955138	0.89054584
Tex15	0.01979443	0.02589463	0.02118286	0.00471176	0.15003087	0.77909236
Amdhd1	0.00907659	0.01442487	0.00971349	0.00471139	0.0119183	0.13520465
Slfn5	0.01808484	0.02406358	0.01935346	0.00471012	0.12842625	0.71695178
Bloc1s2	0.71604037	0.666094	0.66139269	0.00470131	0.48679077	0.89054584
Spry1	0.09920006	0.11074868	0.10605632	0.00469236	0.41834455	0.89054584
Taok1	0.54731504	0.53631303	0.53162425	0.00468878	0.48361185	0.89054584
Plekhg2	0.12240583	0.13508058	0.13039604	0.00468455	0.43353754	0.89054584
Fgf13	0.01438423	0.02006882	0.01539341	0.0046754	0.07852703	0.5355056
Akr1b8	0.07486405	0.08474657	0.08007443	0.00467214	0.39287362	0.89054584
Gk	0.1001586	0.11174833	0.10707725	0.00467108	0.419474	0.89054584
Bcor	0.25947615	0.27436525	0.26969947	0.00466578	0.4678803	0.89054584
Pcp4l1	0.03610457	0.0432979	0.0386339	0.00466401	0.28690743	0.89054584
Txk	0.01748433	0.02337407	0.01871086	0.00466321	0.12279568	0.70117835
Egr4	0.02230126	0.02852452	0.02386531	0.00465921	0.18152676	0.86081561
Prss12	0.02572249	0.03217325	0.02752609	0.00464716	0.21577065	0.89054584
Lncpint	0.04201737	0.04960009	0.04495897	0.00464112	0.31527852	0.89054584
Unc5c	0.12051869	0.13306595	0.12842514	0.00464081	0.43315126	0.89054584
Gm26901	0.01800656	0.02389984	0.0192697	0.00463014	0.13147319	0.72640942
Fam83f	0.04627682	0.05412824	0.04951485	0.00461339	0.33211452	0.89054584
Gcnt4	0.02290315	0.0291036	0.02450935	0.00459424	0.1912466	0.88386776

Fam174a	0.74892655	0.68898178	0.68439456	0.00458723	0.48754423	0.89054584
Kif26a	0.04853881	0.05651662	0.05193403	0.00458258	0.34050026	0.89054584
1110051M2C	0.3510555	0.36255613	0.35797847	0.00457766	0.47624655	0.89054584
Clic6	0.08071486	0.09089576	0.08632424	0.00457152	0.40256001	0.89054584
Zfp839	0.05495791	0.06336372	0.05879832	0.0045654	0.35877182	0.89054584
Rem2	0.29551467	0.30949531	0.30493708	0.00455823	0.47223917	0.89054584
Nmnat3	0.09798267	0.10931049	0.10475752	0.00455298	0.41976796	0.89054584
Zfp385a	0.08436815	0.09476832	0.09022567	0.00454265	0.4072726	0.89054584
Vav1	0.01879901	0.02465654	0.02011769	0.00453886	0.14659973	0.77203158
Trim12a	0.05182133	0.0599792	0.05544439	0.00453482	0.35158071	0.89054584
Pigw	0.06764622	0.07689469	0.07236193	0.00453275	0.38520591	0.89054584
Akr1c14	0.02694569	0.03336066	0.02883489	0.00452577	0.23231565	0.89054584
Hist1h4d	0.04432466	0.05194775	0.0474269	0.00452085	0.32848464	0.89054584
Wdr75	0.25144537	0.26628153	0.26176354	0.00451799	0.46795461	0.89054584
Noxa1	0.0139684	0.01946351	0.01494842	0.00451509	0.07968286	0.54059058
Itpr2	0.11706034	0.12932157	0.12480982	0.00451175	0.43312793	0.89054584
Pygm	0.05175951	0.05988274	0.05537827	0.00450447	0.35235944	0.89054584
Nanp	0.01575713	0.02136388	0.01686258	0.00450131	0.10681214	0.64658138
Sft2d3	0.36687031	0.37728841	0.37278741	0.004501	0.47757066	0.89054584
Gm10371	0.01290646	0.01831127	0.013812	0.00449926	0.06455119	0.46985422
Pcdh8	0.02086485	0.02682455	0.02232828	0.00449627	0.17407703	0.84125625
Scoc	0.6644205	0.62824405	0.62375121	0.00449284	0.48661477	0.89054584
Gm26767	0.02003075	0.02592481	0.02143574	0.00448907	0.16461301	0.81899774
Dyrk3	0.09488971	0.10594306	0.10145725	0.00448581	0.41839952	0.89054584
Cdk4	2.3019817	1.13359011	1.12911024	0.00447987	0.49262603	0.89054584
Stard9	0.03595149	0.04294111	0.03847014	0.00447098	0.29409553	0.89054584
Chrn4	0.01854938	0.02431817	0.01985056	0.00446761	0.14719223	0.77404405
Psen2	0.35117298	0.36254768	0.35808897	0.00445871	0.4768702	0.89054584
Cep72	0.04606991	0.05374605	0.04929355	0.0044525	0.33694159	0.89054584
Gal	0.01363385	0.01903924	0.01459041	0.00444883	0.07771929	0.53174815

Arid4a	0.57748843	0.56067904	0.55623173	0.00444732	0.48514272	0.89054584
Dclk3	0.01511925	0.02062586	0.01617997	0.00444589	0.10024233	0.62272587
Etl4	0.29350539	0.30743076	0.302989	0.00444176	0.47277371	0.89054584
Rab37	0.21348823	0.22825498	0.22385535	0.00439963	0.46352133	0.89054584
Glis3	0.19792306	0.21251362	0.20812609	0.00438753	0.46088052	0.89054584
Chrdl1	0.01717267	0.02275781	0.01837735	0.00438046	0.13338885	0.73086605
Fmo5	0.04150562	0.04878632	0.04441159	0.00437473	0.3231437	0.89054584
Golga7	0.93682045	0.80522158	0.80085499	0.00436659	0.48986697	0.89054584
Mfsd4	0.03942703	0.04655426	0.04218813	0.00436613	0.31484522	0.89054584
Snx20	0.03573951	0.0426077	0.03824336	0.00436434	0.29747385	0.89054584
Dscc1	0.07379577	0.08329095	0.07893311	0.00435784	0.39850563	0.89054584
Pigt	0.833469	0.7443171	0.73996057	0.00435653	0.48905856	0.89054584
Pcdh1	0.21224437	0.22695542	0.22260219	0.00435323	0.46370235	0.89054584
Churc1	1.15272557	0.9140307	0.90968399	0.00434671	0.49111961	0.89054584
St8sia1	0.02475663	0.03083023	0.02649262	0.00433761	0.22279024	0.89054584
Ecm2	0.01522959	0.020634	0.01629804	0.00433596	0.10758547	0.64845225
Cpt2	0.57247085	0.55651542	0.55218044	0.00433498	0.48541163	0.89054584
1110008L16F	0.11025246	0.12200229	0.11767992	0.00432238	0.43206367	0.89054584
Evc2	0.0635629	0.07231572	0.06799766	0.00431806	0.38366972	0.89054584
Myo9a	0.19039991	0.20480322	0.20048661	0.00431661	0.46004907	0.89054584
Ptger4	0.02377249	0.029756	0.02543957	0.00431643	0.21461801	0.89054584
Clstn3	0.09112984	0.10175926	0.09744448	0.00431478	0.41828032	0.89054584
Timm23	0.04493843	0.0523958	0.04808338	0.00431243	0.33803067	0.89054584
Herpud1	0.87354142	0.76877779	0.76448532	0.00429247	0.48956515	0.89054584
Myo1f	0.011304	0.01638083	0.01209715	0.00428368	0.04949581	0.39063159
Atp6v1a	0.64988945	0.61709883	0.61282109	0.00427773	0.48702818	0.89054584
Ube2e2	0.26594147	0.28034323	0.27606713	0.0042761	0.4712357	0.89054584
Gm19590	0.11076501	0.12249197	0.11821731	0.00427466	0.43310902	0.89054584
Zfp354c	0.14606801	0.1592578	0.15499479	0.00426301	0.44901892	0.89054584
Scube3	0.02064594	0.02634634	0.02209403	0.00425231	0.18494516	0.86930035

Kif9	0.08089524	0.09076699	0.08651688	0.00425011	0.40948553	0.89054584
Rnf186	0.0874843	0.0978026	0.09355284	0.00424976	0.41619461	0.89054584
Gm15879	0.01373826	0.01894837	0.01470214	0.00424623	0.08921872	0.57874406
A830082K12	0.01851648	0.02406019	0.01981535	0.00424483	0.15913096	0.8062012
Cxcr2	0.01318375	0.01835186	0.01410874	0.00424312	0.08058487	0.54416367
Notum	0.01125919	0.01629086	0.01204919	0.00424167	0.05049392	0.39613683
Gpr19	0.08716574	0.09744922	0.09321274	0.00423649	0.41615214	0.89054584
Nop14	0.38252169	0.39154639	0.38731097	0.00423542	0.47968361	0.89054584
Btbd19	0.01886772	0.02442079	0.02019121	0.00422958	0.16454785	0.81899774
Gm17546	0.01362584	0.01880758	0.01458184	0.00422575	0.08848578	0.57631032
Osmr	0.0242707	0.0301969	0.02597267	0.00422422	0.2243049	0.89054584
Bckdk	0.55927278	0.54565026	0.54144741	0.00420284	0.48557587	0.89054584
9130604C24I	0.05075327	0.0584997	0.05430223	0.00419747	0.35937573	0.89054584
Itga8	0.02139606	0.02709053	0.02289671	0.00419382	0.19673408	0.89054584
Rims3	0.09732158	0.10824503	0.10405217	0.00419286	0.42554204	0.89054584
B4galt4	0.1510273	0.16431512	0.1601228	0.00419233	0.45145739	0.89054584
Crispld1	0.02901605	0.03524148	0.03105009	0.00419139	0.26470697	0.89054584
Tead3	0.1042286	0.1155445	0.11135687	0.00418763	0.43046061	0.89054584
Cdkl3	0.09369806	0.10437077	0.10018555	0.00418522	0.42284296	0.89054584
Gm11232	0.02344403	0.02927263	0.02508811	0.00418452	0.2185565	0.89054584
Wtip	0.04103033	0.04808583	0.04390318	0.00418266	0.32857284	0.89054584
Slc7a7	0.06082632	0.06925032	0.06507239	0.00417793	0.38242257	0.89054584
Itga11	0.02935677	0.03559006	0.03141465	0.00417542	0.26788113	0.89054584
Asb1	0.13691769	0.14968137	0.14550779	0.00417358	0.44684687	0.89054584
Amer2	0.06741667	0.0762749	0.07211661	0.00415829	0.39410434	0.89054584
Tmem136	0.02605598	0.0320389	0.02788292	0.00415598	0.24370941	0.89054584
Nmnat2	0.01121525	0.01614987	0.01200218	0.0041477	0.0536956	0.41314285
Zpbp	0.01355437	0.01864759	0.01450535	0.00414224	0.0916872	0.58922032
Mdga1	0.03607767	0.04274526	0.03860512	0.00414014	0.30866409	0.89054584
Fam19a2	0.02069921	0.026274	0.02215104	0.00412296	0.1929255	0.88710241

Grb14	0.2593434	0.27368762	0.26956852	0.00411909	0.47162322	0.89054584
Kynu	0.01450096	0.01963038	0.01551832	0.00411205	0.10850298	0.65191723
Parp3	0.03809956	0.04487842	0.04076808	0.00411034	0.31927552	0.89054584
Ms4a4d	0.02018988	0.02571562	0.02160602	0.0041096	0.187766	0.87574983
Igf2bp1	0.42342322	0.42872573	0.42462378	0.00410195	0.48205113	0.89054584
Dock6	0.17461452	0.1884757	0.18437967	0.00409603	0.45878338	0.89054584
Bcorl1	0.11941121	0.13135147	0.12726788	0.00408359	0.44058369	0.89054584
Armc3	0.01192555	0.01684259	0.0127623	0.00408029	0.06817396	0.48857443
Fgfr4	0.07159039	0.08065663	0.07657674	0.00407988	0.40198178	0.89054584
Ncf1	0.01884978	0.02425025	0.02017201	0.00407824	0.17311888	0.83802257
Pygo1	0.09882235	0.10972053	0.10565336	0.00406717	0.42883221	0.89054584
Calhm2	0.10358898	0.11474441	0.1106847	0.00405971	0.43215862	0.89054584
Dok5	0.01337568	0.01836815	0.01431414	0.00405402	0.09350199	0.59691407
Ttc32	0.26485767	0.27904617	0.27500109	0.00404507	0.47268197	0.89054584
Pex12	0.15277515	0.16596391	0.16192782	0.00403609	0.45377659	0.89054584
Npr2	0.06564839	0.07426001	0.07022674	0.00403327	0.3945142	0.89054584
Fam101a	0.0663396	0.074998	0.07096549	0.00403251	0.39560586	0.89054584
Ttc28	0.41700563	0.42286265	0.41883123	0.00403142	0.48211576	0.89054584
Epb41l5	0.26752813	0.28165689	0.27762675	0.00403013	0.47303973	0.89054584
Ccnc	0.29961361	0.31292507	0.3089049	0.00402018	0.47582583	0.89054584
Zswim3	0.07184258	0.08085986	0.0768462	0.00401366	0.40387279	0.89054584
Slc38a11	0.02092338	0.02639743	0.02239091	0.00400652	0.20223966	0.89054584
Zfp869	0.02416818	0.02986506	0.02586297	0.00400209	0.23547493	0.89054584
Ccm2l	0.01428318	0.01927931	0.01528527	0.00399404	0.11172949	0.66441926
Mir142hg	0.01543463	0.02050905	0.01651746	0.00399159	0.13010953	0.72245421
3110045C21l	0.02343096	0.02905019	0.02507413	0.00397606	0.23002057	0.89054584
Lrp4	0.04283678	0.04980854	0.04583545	0.00397309	0.34316349	0.89054584
Tmem53	0.21556805	0.22991999	0.22594918	0.00397081	0.46737277	0.89054584
Lrrc28	0.08281034	0.0925277	0.08856214	0.00396556	0.41737465	0.89054584
Gga2	0.586347	0.56730187	0.56334379	0.00395808	0.48694337	0.89054584

Vit	0.00941898	0.01403267	0.01007989	0.00395278	0.03385138	0.29600565
Abhd15	0.13661286	0.14914079	0.14519118	0.00394961	0.44957452	0.89054584
Aff2	0.02745456	0.03331558	0.02937937	0.00393621	0.2662484	0.89054584
Tagap1	0.16016576	0.1734787	0.16954737	0.00393133	0.45698676	0.89054584
Gm17477	0.01467212	0.01963109	0.01570149	0.0039296	0.12180907	0.69967824
Lsm14b	0.26932004	0.28330812	0.27938668	0.00392144	0.47393081	0.89054584
Rpl7a-ps3	0.0200574	0.02536393	0.02146426	0.00389967	0.19865215	0.89054584
Ntn1	0.01916245	0.02440556	0.0205066	0.00389896	0.18785915	0.87574983
Nmt1	1.00543472	0.84122909	0.83733086	0.00389823	0.49134766	0.89054584
Synpr	0.14776396	0.16064422	0.15674954	0.00389468	0.45392196	0.89054584
Slc11a1	0.01470947	0.01963031	0.01574145	0.00388885	0.12487229	0.70660334
Mtbp	0.07370637	0.08271928	0.07883759	0.00388169	0.40928293	0.89054584
Gm30074	0.03711116	0.04358711	0.03971074	0.00387637	0.32463238	0.89054584
Irf2	0.53317456	0.52376198	0.51989156	0.00387042	0.48616576	0.89054584
Pgk1	0.32374146	0.33594379	0.33209076	0.00385303	0.47844581	0.89054584
Gstm3	0.01310349	0.01787192	0.01402285	0.00384907	0.10048149	0.62288099
Wipi2	0.65226638	0.61846429	0.61461866	0.00384563	0.48837219	0.89054584
Tbc1d5	0.0735464	0.08249629	0.07866668	0.00382961	0.41028796	0.89054584
Dzip1l	0.10267206	0.11354691	0.10972088	0.00382604	0.4354717	0.89054584
Hist1h1e	0.17052272	0.18401348	0.18018795	0.00382553	0.46060367	0.89054584
Usp38	0.1246787	0.13658987	0.13276801	0.00382186	0.44665691	0.89054584
Hhat	0.05713579	0.06494362	0.0611269	0.00381672	0.3855636	0.89054584
Ntng1	0.00997995	0.01449556	0.01068022	0.00381534	0.04802288	0.38170821
Adamts19	0.01343695	0.01818503	0.0143797	0.00380534	0.10880499	0.65274944
Galk2	0.52209785	0.51441282	0.51061095	0.00380186	0.48616382	0.89054584
Eml2	0.46057818	0.46148524	0.45768728	0.00379795	0.48458051	0.89054584
Tln2	0.18358476	0.19733647	0.19354524	0.00379123	0.4636426	0.89054584
Wipf3	0.03995519	0.04653976	0.04275311	0.00378665	0.33993385	0.89054584
lpcef1	0.02140956	0.02669724	0.02291115	0.00378609	0.22068101	0.89054584
Zscan29	0.13723426	0.14961692	0.14583654	0.00378038	0.45193693	0.89054584

Tsix	0.16177764	0.17498053	0.17120625	0.00377428	0.4590976	0.89054584
Irgm1	0.06622274	0.07461487	0.0708406	0.00377427	0.40198186	0.89054584
Prpf38a	0.68546192	0.6430888	0.63931914	0.00376966	0.4890421	0.89054584
Flt3l	0.03512982	0.04135629	0.03759111	0.00376519	0.32037613	0.89054584
Spock1	0.13831214	0.1507075	0.14695565	0.00375185	0.45265943	0.89054584
2810433D01	0.0108113	0.01531671	0.01156989	0.00374682	0.06567964	0.4744511
Nutf2	0.34052295	0.35177828	0.34804163	0.00373666	0.48005343	0.89054584
Uchl4	0.04813676	0.05523552	0.05150406	0.00373146	0.36785515	0.89054584
Rab38	0.01418317	0.01889717	0.01517825	0.00371892	0.12682762	0.71241644
Ephb6	0.03669137	0.04297594	0.03926166	0.00371429	0.32969633	0.89054584
Slc35f3	0.01604701	0.020881	0.01717278	0.00370822	0.15719989	0.80068898
Fstl5	0.01330533	0.01793553	0.01423885	0.00369668	0.11322538	0.67029056
Pnliprp2	0.01374163	0.01839856	0.01470575	0.00369281	0.12101587	0.69664572
AW112010	0.01467125	0.01938692	0.01570056	0.00368636	0.13700357	0.7420427
Lrrc49	0.14188589	0.1543445	0.15066286	0.00368165	0.45467936	0.89054584
Cldn34c1	0.05668617	0.06432053	0.06064619	0.00367435	0.38886837	0.89054584
Nell2	0.01914288	0.02415642	0.02048565	0.00367076	0.20190912	0.89054584
Hip1r	0.30068599	0.3136112	0.30994157	0.00366963	0.47800525	0.89054584
Zc3hav1	0.10109668	0.11173257	0.10806418	0.00366839	0.4371676	0.89054584
Cacna2d3	0.02338428	0.02868907	0.02502419	0.00366488	0.2475186	0.89054584
Casp1	0.00647729	0.01057274	0.00693182	0.00364092	0.00720057	0.08918391
Hvcn1	0.03324812	0.03921531	0.03557798	0.00363733	0.31692737	0.89054584
Irs1	0.0259262	0.03135258	0.02774406	0.00360852	0.27226982	0.89054584
Zfp808	0.02488608	0.030236	0.02663114	0.00360487	0.26413551	0.89054584
Cacnb2	0.155737	0.1685842	0.16498405	0.00360015	0.45951184	0.89054584
Ak5	0.05684007	0.0644095	0.06081073	0.00359877	0.39138336	0.89054584
Evc	0.050539	0.05766375	0.05407309	0.00359065	0.3785197	0.89054584
Fhdc1	0.05162607	0.05882556	0.05523559	0.00358997	0.38102026	0.89054584
Zfp652	0.24861161	0.26254036	0.25895612	0.00358424	0.47429204	0.89054584
Serp2	0.10781586	0.11870698	0.1151239	0.00358308	0.44235413	0.89054584

Efr3b	0.03964044	0.04598712	0.04241642	0.0035707	0.34745566	0.89054584
Prss41	0.02536892	0.03070531	0.02714777	0.00355753	0.27075764	0.89054584
Eme2	0.06070774	0.06849882	0.06494563	0.00355318	0.39940356	0.89054584
Zfp446	0.10283841	0.1134411	0.10989576	0.00354535	0.44026314	0.89054584
Wdr62	0.01610921	0.02078256	0.01723934	0.00354323	0.16914263	0.8322688
2510039O18	0.28692825	0.30013308	0.2965981	0.00353498	0.47785922	0.89054584
Cyfp2	0.27508552	0.28857296	0.2850387	0.00353426	0.47696703	0.89054584
5930430L01F	0.15765831	0.17049351	0.1669647	0.00352881	0.46078072	0.89054584
Cdkal1	0.2727239	0.28625347	0.28272551	0.00352797	0.47682007	0.89054584
Cd69	0.01477366	0.01933579	0.01581015	0.00352564	0.14941678	0.77812345
6030419C18I	0.01907286	0.02393011	0.02041073	0.00351938	0.21089153	0.89054584
Utp15	0.11178439	0.12279763	0.11928581	0.00351182	0.44545171	0.89054584
Wwc1	0.16737355	0.18046196	0.17695718	0.00350478	0.46324014	0.89054584
Tmod2	0.20168847	0.21544274	0.21194056	0.00350218	0.46931735	0.89054584
Spred2	0.10112494	0.11156352	0.1080939	0.00346962	0.44056231	0.89054584
Matn4	0.02802103	0.03344916	0.02998547	0.00346369	0.29523172	0.89054584
Ankrd28	0.04693189	0.05367753	0.05021546	0.00346207	0.37402648	0.89054584
Mto1	0.24686896	0.26068979	0.2572278	0.003462	0.47500106	0.89054584
Haus3	0.16141619	0.17426743	0.17083436	0.00343307	0.46270333	0.89054584
Ptk7	0.09053593	0.10024291	0.09681053	0.00343237	0.43440087	0.89054584
Nxph1	0.05647593	0.06385212	0.0604214	0.00343072	0.39568412	0.89054584
Nxn12	0.03199659	0.03766696	0.03423901	0.00342795	0.32044836	0.89054584
Cacng7	0.0242422	0.02936447	0.02594217	0.0034223	0.26940665	0.89054584
Isoc2a	0.02082848	0.02570685	0.02228936	0.00341749	0.23751248	0.89054584
Ppil6	0.15205844	0.1646034	0.16118779	0.00341561	0.4606786	0.89054584
Mcm10	0.02985285	0.03535832	0.03194541	0.0034129	0.30933354	0.89054584
Gm26753	0.01390653	0.01829006	0.01488221	0.00340785	0.14302157	0.76440591
4833422C13I	0.02609543	0.03132973	0.02792513	0.0034046	0.28501332	0.89054584
Rimbp2	0.54593098	0.53388305	0.5304815	0.00340155	0.48808374	0.89054584
Pkhd1	0.08901473	0.09858297	0.09518669	0.00339629	0.43398709	0.89054584

Wdhd1	0.09134246	0.10105479	0.09767142	0.00338337	0.43589428	0.89054584
Inpp5d	0.02355923	0.02859472	0.02521138	0.00338334	0.26591185	0.89054584
Phf6	0.17220653	0.1852862	0.18191372	0.00337249	0.46558543	0.89054584
D130017N08	0.03749473	0.04349318	0.04012106	0.00337212	0.34768514	0.89054584
Snx25	0.03905625	0.04515523	0.0417915	0.00336373	0.35383377	0.89054584
Serpina10	0.04417034	0.0506176	0.04726184	0.00335576	0.37039703	0.89054584
Xpo6	0.3203617	0.33221553	0.32886065	0.00335488	0.48104609	0.89054584
Podn	0.01910252	0.0237933	0.02044246	0.00335084	0.22253103	0.89054584
L3mbtl3	0.11978204	0.13100008	0.12765543	0.00334465	0.45142299	0.89054584
Plekha4	0.03970124	0.0458219	0.04248146	0.00334044	0.35705347	0.89054584
Prrg1	0.03828547	0.04429413	0.04096697	0.00332716	0.35257442	0.89054584
Stx1b	0.02530522	0.03038593	0.02707962	0.00330631	0.28473321	0.89054584
Pkd1	0.16724009	0.1801231	0.17682017	0.00330293	0.46532491	0.89054584
Cox20	1.18199011	0.92597527	0.92267519	0.00330008	0.49335259	0.89054584
Wfdc1	0.03581984	0.04161863	0.0383293	0.00328933	0.34464483	0.89054584
Gm15594	0.01609624	0.02051151	0.01722546	0.00328605	0.1870628	0.87419127
Nalcn	0.0233562	0.0282788	0.02499413	0.00328467	0.27018053	0.89054584
Map2k3os	0.01395636	0.01821161	0.01493554	0.00327607	0.15340802	0.78925105
Cebpa	0.02530459	0.03035448	0.02707894	0.00327554	0.28652777	0.89054584
Cep55	0.04841558	0.05507681	0.05180224	0.00327457	0.38418599	0.89054584
Timm10	0.4405277	0.44321732	0.43994435	0.00327297	0.48617533	0.89054584
Phtf2	0.06745296	0.07542729	0.0721554	0.0032719	0.41634203	0.89054584
Rmdn2	0.03440185	0.04007879	0.0368123	0.00326649	0.33965496	0.89054584
Pcdhgb7	0.01220657	0.01631924	0.01306303	0.00325622	0.1227533	0.70117835
Crtc2	0.13109071	0.14270239	0.13944946	0.00325293	0.45672857	0.89054584
Aldh1l2	0.00894264	0.01281542	0.00957014	0.00324528	0.0570682	0.43153558
Gm12027	0.01327259	0.01744679	0.01420381	0.00324298	0.14372794	0.76580953
Tmem216	0.29015629	0.3029651	0.29973742	0.00322768	0.4799938	0.89054584
Slc38a6	0.05741608	0.06464403	0.06142658	0.00321746	0.40360366	0.89054584
Cc2d2b	0.01245448	0.01653922	0.01332832	0.0032109	0.13085125	0.72435336

Psd4	0.0131826	0.01731493	0.01410751	0.00320743	0.14474575	0.76727455
Gm6297	0.03211713	0.03757446	0.03436797	0.00320648	0.33190009	0.89054584
Iffo1	0.17669363	0.18971084	0.18650688	0.00320396	0.46810474	0.89054584
Cd5	0.01488744	0.01913339	0.01593191	0.00320149	0.17458367	0.84202063
Tgif1	0.16019139	0.17277512	0.16957375	0.00320137	0.46495585	0.89054584
Rnf24	0.03701112	0.04278897	0.03960372	0.00318526	0.35393799	0.89054584
Cacnb4	0.03639109	0.04212555	0.03894042	0.00318514	0.35157245	0.89054584
Rimklb	0.02571323	0.03070096	0.02751619	0.00318478	0.29486228	0.89054584
Fxr1	1.01049142	0.84310294	0.83993757	0.00316537	0.49299589	0.89054584
Dnah1	0.03394544	0.03948785	0.03632402	0.00316383	0.34244658	0.89054584
Rasa4	0.03001761	0.03528546	0.0321217	0.00316376	0.32316264	0.89054584
Hlf	0.0198793	0.02443139	0.02127368	0.0031577	0.24461373	0.89054584
Sema6b	0.00625072	0.00984601	0.00668934	0.00315666	0.01395577	0.15281779
Proser3	0.10658616	0.11698871	0.1138331	0.00315561	0.44861865	0.89054584
Otub2	0.0818803	0.09071462	0.08756892	0.0031457	0.43354293	0.89054584
2610028E06I	0.01330976	0.01738353	0.01424359	0.00313995	0.15219943	0.78526239
Degs2	0.05422293	0.06115049	0.05801243	0.00313806	0.40051452	0.89054584
Slc19a2	0.018328	0.02274938	0.01961366	0.00313572	0.22818249	0.89054584
Shox2	0.03861157	0.04444949	0.0413158	0.00313369	0.36190647	0.89054584
Prodh	0.06674767	0.07453409	0.07140162	0.00313246	0.41902333	0.89054584
Phactr3	0.01640872	0.02069168	0.01755985	0.00313184	0.20300604	0.89054584
Ankzf1	0.15473301	0.16707815	0.16394846	0.00312969	0.46456608	0.89054584
9030624J02F	0.44347232	0.44569171	0.44256493	0.00312679	0.48687075	0.89054584
Gm13470	0.02840517	0.03352149	0.03039648	0.003125	0.31597757	0.89054584
Isg15	0.01419841	0.01831858	0.01519455	0.00312403	0.16906016	0.8322688
Ftl1	5.27780555	0.67126411	0.66814205	0.00312205	0.4913157	0.89054584
Crtac1	0.01065174	0.01451586	0.01139914	0.00311672	0.10136121	0.62533394
Pdzd11	0.75422391	0.6911415	0.68802747	0.00311403	0.49158833	0.89054584
Cry1	0.35169892	0.36169604	0.35858357	0.00311247	0.48387152	0.89054584
Picalm	0.50898686	0.50263757	0.49952787	0.0031097	0.48843101	0.89054584

Pappa	0.0261046	0.03103428	0.02793494	0.00309934	0.30261231	0.89054584
Ears2	0.18080991	0.19380878	0.19071339	0.00309539	0.46986178	0.89054584
Pmaip1	0.01018293	0.01398494	0.01089744	0.00308751	0.09341925	0.59664859
Rab1a	1.72437838	1.08893644	1.08585462	0.00308182	0.49472503	0.89054584
Cd2	0.01295679	0.01692857	0.01386587	0.0030627	0.15172343	0.78420187
Mtss1l	0.09047894	0.09981128	0.0967497	0.00306158	0.44139659	0.89054584
Smurf1	0.10490289	0.115119	0.11206531	0.00305369	0.44948902	0.89054584
Sav1	0.13403715	0.14555929	0.14251452	0.00304477	0.46035611	0.89054584
Prtn3	0.01782559	0.02212039	0.01907603	0.00304435	0.22858261	0.89054584
Cstf1	0.15283326	0.16502724	0.16198782	0.00303942	0.46517006	0.89054584
Slc41a1	0.13360263	0.14509421	0.14206271	0.0030315	0.46040316	0.89054584
Erc1	0.31906633	0.330651	0.32762107	0.00302993	0.48281603	0.89054584
Slc2a3	0.03293656	0.03827134	0.03524466	0.00302668	0.34454411	0.89054584
Iffo2	0.09089414	0.10021776	0.0971929	0.00302486	0.44235679	0.89054584
Suv39h1	0.13948414	0.15119385	0.14817197	0.00302188	0.4621509	0.89054584
Sema6a	0.29148269	0.30404661	0.30102587	0.00302074	0.48135559	0.89054584
Gm13889	0.01069193	0.01446113	0.01144215	0.00301899	0.10948878	0.65489146
Asap1	0.53283404	0.52262625	0.51960742	0.00301883	0.48920288	0.89054584
Ctnna3	0.02233221	0.02690742	0.02389843	0.00300899	0.27873764	0.89054584
Pcdhga5	0.01830647	0.02259944	0.01959063	0.00300881	0.23713768	0.89054584
Acap1	0.01913025	0.02347487	0.02047213	0.00300273	0.2471939	0.89054584
Clec4a3	0.01006922	0.01377731	0.01077575	0.00300156	0.09718896	0.61237252
Ndnf	0.01867987	0.02298883	0.01999019	0.00299864	0.24231768	0.89054584
Kif7	0.04195697	0.04789084	0.04489437	0.00299647	0.37791522	0.89054584
Ptgs1	0.0665294	0.0741613	0.07116835	0.00299296	0.42233252	0.89054584
Gli3	0.05451444	0.06131523	0.05832413	0.0029911	0.40558019	0.89054584
Fblim1	0.13363736	0.14508054	0.14209883	0.00298171	0.46106132	0.89054584
Rarres1	0.01823295	0.02248697	0.01951195	0.00297502	0.23874157	0.89054584
Zfpm2	0.0186672	0.02294077	0.01997664	0.00296414	0.24469035	0.89054584
Sqle	0.54106041	0.52940909	0.52645056	0.00295853	0.48955602	0.89054584

6720489N17	0.03855756	0.04421313	0.04125803	0.0029551	0.36930441	0.89054584
Pthlh	0.01066988	0.01437241	0.01141855	0.00295386	0.11405896	0.67412427
Unkl	0.04619345	0.05237022	0.04942568	0.00294454	0.39067612	0.89054584
Kcna6	0.02934704	0.03434609	0.03140423	0.00294186	0.33126004	0.89054584
Golga7b	0.0298157	0.03483897	0.03190567	0.0029333	0.33420649	0.89054584
Zfp61	0.17683212	0.18958136	0.18664852	0.00293284	0.4708208	0.89054584
Hoxb3os	0.03347048	0.03874682	0.03581588	0.00293094	0.35150611	0.89054584
Lztr1	0.33548753	0.34619096	0.34327031	0.00292066	0.48419015	0.89054584
Sox8	0.0234507	0.02800526	0.02509526	0.00291	0.29451492	0.89054584
Rasl10a	0.01739118	0.02152109	0.01861118	0.00290991	0.23317278	0.89054584
Dcun1d2	0.18254789	0.19539491	0.19248745	0.00290746	0.47194887	0.89054584
Cbr3	0.02213036	0.0265889	0.02368245	0.00290646	0.2837374	0.89054584
Nudt22	0.15944959	0.17170638	0.16880997	0.0028964	0.46814367	0.89054584
Ccdc151	0.02349909	0.02803831	0.02514703	0.00289128	0.29609598	0.89054584
Slc39a13	0.16574689	0.17817103	0.17528678	0.00288425	0.46944682	0.89054584
Gm15638	0.02521487	0.02986594	0.02698294	0.002883	0.30931744	0.89054584
Eaf2	0.02715345	0.03193474	0.0290572	0.00287755	0.32226394	0.89054584
Parpbp	0.01990648	0.02417236	0.02130276	0.0028696	0.26513797	0.89054584
Lcat	0.01038458	0.01397891	0.01111323	0.00286568	0.11480463	0.6757765
Zfp142	0.10184993	0.11172059	0.10885642	0.00286417	0.45121853	0.89054584
Matk	0.01425652	0.01811912	0.01525675	0.00286237	0.19103745	0.88366966
Gata6	0.51358054	0.50628558	0.50342333	0.00286225	0.48943377	0.89054584
Atoh8	0.03036777	0.03534831	0.03249633	0.00285198	0.34131281	0.89054584
Sapcd2	0.02944903	0.03436133	0.03151335	0.00284797	0.33686113	0.89054584
Ints5	0.17416099	0.18675966	0.1839154	0.00284426	0.47128072	0.89054584
Apoo	0.64017091	0.60827278	0.60543072	0.00284206	0.49127569	0.89054584
Rasal2	0.1129707	0.12336304	0.1205288	0.00283424	0.45638101	0.89054584
Eci2	1.0452511	0.86065392	0.85782015	0.00283377	0.49386028	0.89054584
Gm4631	0.12873316	0.13982649	0.1369946	0.00283189	0.46163814	0.89054584
Fndc3c1	0.01306742	0.0168071	0.01398426	0.00282285	0.17349383	0.83899716

Gm26609	0.0334994	0.03866873	0.03584682	0.00282191	0.35689992	0.89054584
lkzf1	0.02289992	0.0273223	0.0245059	0.0028164	0.29617293	0.89054584
Mtr	0.02223984	0.02661437	0.02379959	0.00281478	0.29081195	0.89054584
Mar-05	1.01745463	0.8463084	0.8434973	0.0028111	0.49380599	0.89054584
F11r	0.60905803	0.58414698	0.58133903	0.00280795	0.49102321	0.89054584
Ddit3	0.32299089	0.33418094	0.33137394	0.002807	0.48425986	0.89054584
Lin52	0.09127947	0.10040652	0.0976042	0.00280232	0.44679495	0.89054584
Serinc5	0.07193189	0.07972915	0.07694163	0.00278753	0.43298123	0.89054584
Gsto2	0.03298993	0.03808818	0.03530176	0.00278643	0.35653424	0.89054584
Micu3	0.17756453	0.19018372	0.1873974	0.00278632	0.47238672	0.89054584
Gm10561	0.01470644	0.01851292	0.01573821	0.0027747	0.2057125	0.89054584
Prpf18	0.36438493	0.37324226	0.37046867	0.00277359	0.48608769	0.89054584
Fbxo27	0.05401648	0.06055593	0.05779169	0.00276424	0.41182923	0.89054584
Gstt3	0.1054349	0.11538771	0.11262415	0.00276356	0.4544918	0.89054584
Alox12	0.01862239	0.02269111	0.01992869	0.00276242	0.25920439	0.89054584
Klhl3	0.03318407	0.03827023	0.03550946	0.00276077	0.35859371	0.89054584
Ephb1	0.01439583	0.01815661	0.01540582	0.00275078	0.20273956	0.89054584
Nrde2	0.11739333	0.12790297	0.12515812	0.00274485	0.45930866	0.89054584
Tulp1	0.017017	0.02095499	0.01821077	0.00274422	0.24131878	0.89054584
Dmrt2	0.01172129	0.01528511	0.01254371	0.0027414	0.15429152	0.79182956
Ifih1	0.04013689	0.04568522	0.04294748	0.00273774	0.38323694	0.89054584
Tldc1	0.02000726	0.02414218	0.02141061	0.00273157	0.27612597	0.89054584
Vamp3	0.89446192	0.7795545	0.77682488	0.00272962	0.49346934	0.89054584
Barx2	0.02116014	0.0253712	0.02264426	0.00272695	0.28737991	0.89054584
Dpysl4	0.1064544	0.11642142	0.11369477	0.00272666	0.45551801	0.89054584
Zcchc4	0.18433085	0.19702859	0.19430611	0.00272249	0.47397634	0.89054584
Zscan2	0.16151803	0.17365301	0.17093914	0.00271387	0.47051856	0.89054584
Pctp	0.04214362	0.04780596	0.04509402	0.00271194	0.38966694	0.89054584
Rad51ap2	0.01811388	0.02209586	0.01938454	0.00271132	0.25731437	0.89054584
Fas	0.0240933	0.02848163	0.02578285	0.00269878	0.31289255	0.89054584

Emp2	0.21039629	0.22343607	0.22073905	0.00269702	0.47730303	0.89054584
Spata6	0.14061001	0.1520269	0.14933991	0.002687	0.46659738	0.89054584
Mill2	0.02224022	0.02647968	0.0238	0.00267968	0.29994563	0.89054584
Tbl3	0.24210711	0.25517511	0.25249788	0.00267723	0.4803008	0.89054584
Ampd3	0.01390569	0.017558	0.01488131	0.00267669	0.20101544	0.89054584
Glmp	0.84002794	0.74672041	0.7440546	0.00266582	0.4933411	0.89054584
Vsnl1	0.01353687	0.01715031	0.01448662	0.00266368	0.19581969	0.89054584
Micall2	0.01907244	0.02307344	0.02041028	0.00266316	0.27162501	0.89054584
Dcbld1	0.2277244	0.24079378	0.23814873	0.00264505	0.47936572	0.89054584
Tmem189	0.12082674	0.13139061	0.12874696	0.00264365	0.46189317	0.89054584
Ephb3	0.07906887	0.08720058	0.08456619	0.00263439	0.44230236	0.89054584
Tor1b	0.43070363	0.43379966	0.43116597	0.00263369	0.48864834	0.89054584
Zscan18	0.03691665	0.04212819	0.03950266	0.00262554	0.37841138	0.89054584
Foxk1	0.12298749	0.13362476	0.13100325	0.00262151	0.46286035	0.89054584
Sec24a	0.37506694	0.38302895	0.38041034	0.00261861	0.48720792	0.89054584
Mkln1os	0.01284649	0.01636434	0.01374782	0.00261652	0.1876202	0.87548043
Gm14420	0.0083217	0.01151934	0.00890564	0.0026137	0.08575837	0.56639069
Ncs1	0.18990966	0.20259035	0.19998794	0.00260241	0.47582856	0.89054584
Lyst	0.09769762	0.10705309	0.10445339	0.0025997	0.45384432	0.89054584
Dffb	0.08225187	0.09056392	0.08796574	0.00259819	0.44527507	0.89054584
Naaladl2	0.07012685	0.07760743	0.07501286	0.00259456	0.43598978	0.89054584
Slc25a20	0.24750757	0.26045155	0.25786133	0.00259022	0.48133666	0.89054584
8030423F21l	0.02649679	0.03094419	0.02835459	0.0025896	0.33523703	0.89054584
Gbp9	0.01360137	0.01714409	0.01455566	0.00258844	0.20369334	0.89054584
Bcl2l12	0.16292002	0.17496481	0.17238131	0.0025835	0.47216684	0.89054584
Slc5a3	0.10079691	0.11033021	0.10774883	0.00258138	0.45556394	0.89054584
Dnaic1	0.04595247	0.05174378	0.04916795	0.00257583	0.40358654	0.89054584
Snhg11	0.02705452	0.03152092	0.02895134	0.00256958	0.33961865	0.89054584
Phtf1os	0.03807867	0.04330344	0.04074574	0.0025577	0.38497055	0.89054584
Ppp1r15b	0.28902779	0.30119376	0.29864052	0.00255324	0.4841136	0.89054584

Ccdc3	0.02493792	0.02923788	0.02668661	0.00255128	0.32801487	0.89054584
Maml2	0.05992835	0.06665426	0.06411244	0.00254182	0.42672826	0.89054584
Parvg	0.01468294	0.01825323	0.01571306	0.00254017	0.22567578	0.89054584
Wdr3	0.17867648	0.19107174	0.18853393	0.00253781	0.4749976	0.89054584
Ifit1	0.01842822	0.02225805	0.0197209	0.00253715	0.27445799	0.89054584
Mfsd7c	0.00924596	0.01242937	0.00989474	0.00253463	0.11635015	0.68087821
Mrps16	1.11353968	0.89417098	0.89163757	0.0025334	0.49471919	0.89054584
Gm21992	0.02891341	0.03347069	0.03094027	0.00253042	0.35159168	0.89054584
Tbck	0.35527901	0.36446481	0.36194635	0.00251846	0.48706959	0.89054584
Gpr179	0.05569169	0.06207307	0.05958289	0.00249018	0.42280847	0.89054584
Sorbs1	0.04201005	0.04743568	0.04495114	0.00248454	0.39839292	0.89054584
Pcdh15	0.05929349	0.06591643	0.06343373	0.0024827	0.42765635	0.89054584
Acvr2a	0.12718375	0.1378604	0.13538009	0.00248031	0.46598885	0.89054584
A930024E05	0.01389045	0.01734039	0.014865	0.00247539	0.21892492	0.89054584
Mpp5	0.31710785	0.32821033	0.32574528	0.00246506	0.4859377	0.89054584
Pcdhb19	0.02006112	0.02392518	0.02146823	0.00245695	0.29694891	0.89054584
Herc6	0.04604778	0.05171111	0.04926989	0.00244122	0.40871934	0.89054584
Plec	0.22271281	0.23556683	0.23312737	0.00243945	0.48055874	0.89054584
Acox1	0.01012666	0.0132709	0.01083722	0.00243368	0.14772436	0.77404405
Cemip	0.01826972	0.02198033	0.0195513	0.00242903	0.28135483	0.89054584
Nr1d1	0.0136651	0.01705266	0.01462385	0.00242881	0.21952992	0.89054584
Gfpt2	0.05282311	0.05894346	0.05651562	0.00242784	0.4206847	0.89054584
Mrs2	0.09648494	0.10557721	0.10315949	0.00241772	0.4565257	0.89054584
Sobp	0.24066024	0.25347136	0.25105862	0.00241274	0.48214386	0.89054584
0610038B21	0.01455231	0.01798411	0.01557328	0.00241082	0.23538459	0.89054584
Apobec1	0.01382089	0.01720128	0.01479056	0.00241072	0.22381783	0.89054584
Metrn	0.15026759	0.16174744	0.15933788	0.00240956	0.47191617	0.89054584
Edem3	0.1612479	0.1730683	0.17066119	0.00240712	0.47380327	0.89054584
Figl1	0.11464299	0.12468709	0.12228009	0.002407	0.46346499	0.89054584
Arhgap4	0.02983586	0.03432748	0.03192723	0.00240025	0.36307417	0.89054584

lspd	0.07818576	0.08601776	0.08362289	0.00239487	0.44692792	0.89054584
Mnx1	0.17459767	0.1867548	0.18436242	0.00239238	0.47589595	0.89054584
Cpq	0.58588285	0.56536435	0.56297245	0.0023919	0.49210369	0.89054584
Colec11	0.02326424	0.02728071	0.02489573	0.00238498	0.32768294	0.89054584
Tmem19	0.28613574	0.29819411	0.29582658	0.00236753	0.48512848	0.89054584
Ttl6	0.01751709	0.02110674	0.01874592	0.00236082	0.27869022	0.89054584
Gm16183	0.0652321	0.07213662	0.06978181	0.00235481	0.43753682	0.89054584
2900089D17	0.01320549	0.01648644	0.01413201	0.00235443	0.21881757	0.89054584
Hist1h2ab	0.01377728	0.01709554	0.0147439	0.00235164	0.22871115	0.89054584
Ppp4r4	0.02817257	0.03249078	0.03014762	0.00234316	0.35863611	0.89054584
Plek	0.01453819	0.01789958	0.01555816	0.00234142	0.24160586	0.89054584
Zcchc12	0.02648789	0.03068617	0.02834506	0.00234111	0.35019403	0.89054584
Gm8444	0.00915747	0.01214107	0.00980004	0.00234103	0.13287041	0.72977796
Stag3	0.00915591	0.01213889	0.00979837	0.00234052	0.13288124	0.72977796
Syt6	0.01740701	0.02096354	0.01862812	0.00233543	0.27957766	0.89054584
Cyp2j9	0.00955457	0.01255524	0.010225	0.00233024	0.14417374	0.76653633
Mettl5os	0.01001597	0.01304252	0.01071877	0.00232375	0.15624209	0.79788579
Stx11	0.01551921	0.01892819	0.01660797	0.00232022	0.25756274	0.89054584
Pif1	0.02118116	0.02498155	0.02266675	0.00231479	0.31711397	0.89054584
B3galt1	0.01364963	0.01692175	0.0146073	0.00231445	0.23020094	0.89054584
Morn5	0.01289219	0.01609959	0.01379673	0.00230285	0.21839132	0.89054584
Gm4262	0.01347912	0.01672663	0.01442483	0.0023018	0.2286084	0.89054584
Slc22a21	0.00901608	0.01194901	0.00964873	0.00230028	0.13334812	0.73086605
Tssk6	0.01248708	0.01564942	0.01336321	0.00228621	0.21270745	0.89054584
Ankrd12	0.90224095	0.78361748	0.7813338	0.00228368	0.49456772	0.89054584
Med4	0.34877133	0.35810739	0.35582854	0.00227885	0.48809831	0.89054584
Nav3	0.04288576	0.04816242	0.04588784	0.00227458	0.40868241	0.89054584
Tmem14a	0.16938013	0.18129033	0.17901622	0.00227411	0.47640266	0.89054584
Adarb1	0.12007896	0.13023054	0.1279657	0.00226484	0.46714141	0.89054584
1700112E06I	0.0345294	0.03921249	0.03694876	0.00226373	0.38765408	0.89054584

Slc11a2	0.13223092	0.14289697	0.14063596	0.00226101	0.47014635	0.89054584
1110065P20I	0.79643774	0.71851468	0.71625827	0.00225641	0.49414496	0.89054584
Adam8	0.01332817	0.01651756	0.01426329	0.00225427	0.23076458	0.89054584
Kbtbd11	0.02769181	0.03188331	0.02963323	0.00225009	0.36175981	0.89054584
Ppara	0.01997311	0.02362194	0.02137406	0.00224788	0.3120762	0.89054584
Ntf5	0.01022008	0.01317067	0.0109372	0.00223347	0.17070181	0.83412025
Gm16503	0.01389675	0.01709928	0.01487174	0.00222754	0.24264127	0.89054584
Slc26a7	0.02113625	0.02484375	0.02261869	0.00222506	0.32336398	0.89054584
Phxr4	0.07735361	0.08495346	0.082734	0.00221947	0.45026839	0.89054584
Spink10	0.03767155	0.04252691	0.04031022	0.00221669	0.39889863	0.89054584
Dck	0.13309058	0.14374326	0.14153021	0.00221306	0.47096267	0.89054584
Zdhhc21	0.25518499	0.26767529	0.26546261	0.00221267	0.48451175	0.89054584
Ninl	0.04698404	0.05247775	0.05027123	0.00220652	0.41898467	0.89054584
Eogt	0.07698204	0.08454254	0.08233708	0.00220546	0.45034361	0.89054584
Gm26520	0.01270541	0.01579126	0.01359685	0.00219441	0.22605223	0.89054584
Runx1	0.02702308	0.0311097	0.0289177	0.00219199	0.36198693	0.89054584
Wdr73	0.23653811	0.24914303	0.2469529	0.00219013	0.48352102	0.89054584
Gm11772	0.00819255	0.01095651	0.00876742	0.00218909	0.122361	0.70076598
Zfp964	0.02662432	0.03067913	0.02849104	0.00218809	0.36024526	0.89054584
5430403G16	0.07780315	0.08538349	0.0832142	0.00216929	0.45166611	0.89054584
Aim1l	0.03691348	0.04165948	0.03949926	0.00216022	0.39943938	0.89054584
Gm13620	0.01347895	0.01658182	0.01442464	0.00215718	0.24298406	0.89054584
Tmem82	0.02375061	0.02756487	0.02541616	0.00214871	0.34683798	0.89054584
Mgarp	0.01417151	0.01731444	0.01516577	0.00214867	0.25460366	0.89054584
Zfp865	0.27377151	0.28589889	0.28375198	0.00214691	0.48594007	0.89054584
Eno2	0.05250603	0.05832025	0.05617656	0.00214369	0.42944603	0.89054584
Rxra	0.10424424	0.1135139	0.1113733	0.00214059	0.46432449	0.89054584
Gm28727	0.01379801	0.01690507	0.01476608	0.00213899	0.24987376	0.89054584
Mrpl3	0.52062722	0.51151026	0.50937288	0.00213739	0.49220139	0.89054584
Pak7	0.02543618	0.02935121	0.02721974	0.00213146	0.3576221	0.89054584

Tpmt	0.05125452	0.05696859	0.05483826	0.00213032	0.42818861	0.89054584
Tnfrsf10b	0.04165826	0.04668705	0.04457485	0.0021122	0.41263724	0.89054584
Krt23	0.02216088	0.02581059	0.0237151	0.00209549	0.34029125	0.89054584
Enox2	0.07886599	0.08644477	0.08434948	0.00209528	0.45393307	0.89054584
Npm2	0.01318537	0.01620398	0.01411047	0.00209351	0.24471189	0.89054584
Jph3	0.03067378	0.03491298	0.03282374	0.00208924	0.38340783	0.89054584
Gna12	0.13451525	0.14509697	0.14301155	0.00208542	0.47291769	0.89054584
Fermt1	0.08491878	0.09289411	0.09081362	0.00208048	0.45750022	0.89054584
Samd12	0.01545749	0.01862103	0.01654192	0.00207911	0.27908256	0.89054584
D130040H23	0.01337299	0.0163894	0.01431125	0.00207815	0.24935268	0.89054584
Arhgef19	0.06149579	0.06785817	0.06578805	0.00207012	0.44172373	0.89054584
Itga10	0.01289741	0.01586587	0.01380232	0.00206355	0.24304358	0.89054584
Zfp958	0.09527573	0.1039254	0.10186918	0.00205621	0.46253867	0.89054584
4933415A04	0.01415918	0.01720289	0.01515257	0.00205032	0.2642137	0.89054584
A930038B10	0.02016145	0.02362344	0.0215756	0.00204784	0.32917141	0.89054584
Slc10a4	0.00567773	0.00812362	0.00607615	0.00204747	0.05821757	0.4366288
Syngap1	0.01884554	0.02221404	0.02016748	0.00204656	0.31818474	0.89054584
Kirrel	0.03166996	0.03593482	0.03388955	0.00204527	0.38928915	0.89054584
Gm12002	0.0101139	0.01286444	0.01082357	0.00204087	0.18984179	0.88102633
Myopos	0.02008834	0.02351646	0.02149737	0.00201909	0.33084526	0.89054584
Kntc1	0.02053914	0.0239968	0.02197975	0.00201705	0.3344912	0.89054584
Tbc1d9	0.07214513	0.07918178	0.07716948	0.0020123	0.45165218	0.89054584
Crbn	0.38554801	0.3921157	0.39010348	0.00201222	0.49041369	0.89054584
Lmbrd1	0.3808179	0.38774265	0.38573655	0.0020061	0.49033467	0.89054584
Rrp1b	0.23169188	0.24411903	0.24211596	0.00200307	0.48462686	0.89054584
Trib2	0.0937872	0.1022753	0.10028068	0.00199461	0.46308373	0.89054584
Ankrd33b	0.05628339	0.06220887	0.06021554	0.00199333	0.43871558	0.89054584
Rabif	0.33262049	0.34253622	0.34054824	0.00198798	0.48915133	0.89054584
Zfp420	0.04618217	0.05139847	0.04941361	0.00198486	0.42577489	0.89054584
Cbx8	0.2104573	0.22278211	0.22080057	0.00198154	0.48332472	0.89054584

RP23-54G8.4	0.09374227	0.10221287	0.10023273	0.00198014	0.46333339	0.89054584
C6	0.01086821	0.01360809	0.01163079	0.0019773	0.21416696	0.89054584
Ssu2	0.02864453	0.0326168	0.03065259	0.00196422	0.38264378	0.89054584
Prkcd	0.22533823	0.23772296	0.23575932	0.00196364	0.48452319	0.89054584
Ccdc190	0.01242324	0.015245	0.01329489	0.0019501	0.24718459	0.89054584
Gm20324	0.01845073	0.02169376	0.019745	0.00194876	0.32282222	0.89054584
Fpgs	0.16217694	0.17355345	0.17161703	0.00193642	0.47903784	0.89054584
Gm29440	0.01567455	0.01870836	0.01677421	0.00193415	0.29556452	0.89054584
Parvb	0.04246114	0.04736147	0.04543365	0.00192782	0.42164551	0.89054584
Hdac8	0.17871628	0.19050226	0.18857461	0.00192765	0.48100765	0.89054584
Synj1	0.14705029	0.15793763	0.15601126	0.00192637	0.47706278	0.89054584
Rbpms2	0.04824187	0.05354044	0.05161647	0.00192397	0.43106679	0.89054584
Slc18a2	0.01004724	0.01267082	0.01075223	0.0019186	0.2028941	0.89054584
Rbms2	0.31301215	0.32373134	0.32181612	0.00191522	0.48894006	0.89054584
Gm27204	0.01334916	0.01619693	0.01428576	0.00191118	0.26654955	0.89054584
Srpk1	0.76990879	0.70057749	0.69866683	0.00191066	0.49491724	0.89054584
Zfp729b	0.0689304	0.07563677	0.07373432	0.00190246	0.45215922	0.89054584
Vgf	0.0256813	0.02938014	0.02748201	0.00189813	0.37380822	0.89054584
Dpy19l1	0.06220464	0.0684425	0.06654579	0.00189671	0.4471795	0.89054584
Tbx3os1	0.00559237	0.00788119	0.0059848	0.00189639	0.06993588	0.49764662
Selo	0.21506639	0.22732971	0.22544431	0.0018854	0.48445998	0.89054584
Cd274	0.01292665	0.01571788	0.01383361	0.00188427	0.26284715	0.89054584
Oit3	0.00986101	0.01243482	0.01055294	0.00188188	0.20303894	0.89054584
Slc45a4	0.08448381	0.09223043	0.09034917	0.00188126	0.46135959	0.89054584
BC026585	0.13374277	0.14408752	0.14220843	0.00187909	0.47545602	0.89054584
Ctbs	0.20201114	0.21414537	0.21226715	0.00187821	0.48355868	0.89054584
Hist1h4i	0.16940678	0.18091669	0.17904356	0.00187313	0.48056273	0.89054584
Pdk4	0.02388876	0.02743024	0.02556398	0.00186626	0.36688361	0.89054584
Kif16b	0.16994709	0.18145835	0.17959771	0.00186064	0.48075176	0.89054584
Gm10031	0.05869058	0.06464944	0.06278917	0.00186027	0.44510773	0.89054584

Gtf2a1	0.18882266	0.20073913	0.1988819	0.00185723	0.48264877	0.89054584
Tmem40	0.01404701	0.01687984	0.01503254	0.00184729	0.28348493	0.89054584
Fam229b	0.19074573	0.20268001	0.20083831	0.00184171	0.48296121	0.89054584
Gm13572	0.01241635	0.01512641	0.01328752	0.00183889	0.25954098	0.89054584
Gm42715	0.02714347	0.03086831	0.02904651	0.00182179	0.38506365	0.89054584
Steap1	0.1207618	0.13049792	0.12867912	0.0018188	0.47374808	0.89054584
Zfp507	0.14804784	0.15885949	0.15704314	0.00181635	0.47851343	0.89054584
Nr2f6	0.45532576	0.45485958	0.45306264	0.00179694	0.49262862	0.89054584
Kcnc3	0.18614207	0.19794408	0.19615222	0.00179186	0.48302631	0.89054584
Nudt15	0.01448951	0.01729595	0.01550608	0.00178987	0.2953634	0.89054584
Drp2	0.01241783	0.01507519	0.0132891	0.00178609	0.26560081	0.89054584
Sh3d21	0.07605991	0.08313531	0.08135199	0.00178332	0.45932716	0.89054584
Gm15406	0.00989377	0.01236238	0.01058799	0.00177439	0.21746876	0.89054584
Gm12524	0.01159732	0.01418187	0.01241105	0.00177082	0.25310723	0.89054584
D630024D03	0.02050883	0.02371666	0.02194731	0.00176935	0.35360899	0.89054584
Slc15a4	0.15639165	0.16742653	0.16565909	0.00176744	0.48017802	0.89054584
Dkk1	0.01386688	0.01660634	0.01483978	0.00176656	0.28958096	0.89054584
Palb2	0.03108413	0.03502594	0.03326277	0.00176317	0.40247044	0.89054584
Kazn	0.16769149	0.17904628	0.17728354	0.00176274	0.48152593	0.89054584
Spag4	0.00977291	0.01220989	0.01045866	0.00175123	0.21766378	0.89054584
Spire2	0.05241208	0.05782375	0.0560761	0.00174765	0.44227674	0.89054584
Lrrk2	0.01293447	0.0155812	0.01384198	0.00173922	0.27914323	0.89054584
Gm43948	0.0350162	0.03920698	0.03746955	0.00173743	0.41448164	0.89054584
Gas2l3	0.03639303	0.04067675	0.03894249	0.00173426	0.41781708	0.89054584
Prrx2	0.02922435	0.03300546	0.03127296	0.0017325	0.3981643	0.89054584
Chaf1b	0.1280507	0.13801006	0.13628358	0.00172648	0.47646774	0.89054584
Gm14325	0.03070467	0.03458166	0.03285679	0.00172487	0.40339133	0.89054584
Dnaaf2	0.15678176	0.1677855	0.16606126	0.00172423	0.48070895	0.89054584
Mcm9	0.05635082	0.06200966	0.06028764	0.00172202	0.44706702	0.89054584
Tma16	0.24415719	0.25625597	0.2545355	0.00172046	0.48743904	0.89054584

1810010H24	0.03818487	0.04257923	0.04085935	0.00171988	0.42226287	0.89054584
Prkaa1	0.18108588	0.19271192	0.19099517	0.00171675	0.48329852	0.89054584
Gm11963	0.01355583	0.01622343	0.01450692	0.00171652	0.29072632	0.89054584
Trap1	0.37636793	0.38333325	0.38161685	0.0017164	0.49164094	0.89054584
Adh1	0.05435064	0.05986437	0.05814899	0.00171538	0.44534248	0.89054584
Zkscan6	0.10606479	0.1149964	0.11328567	0.00171073	0.47195558	0.89054584
Grm4	0.00852033	0.01082853	0.0091182	0.00171034	0.1910874	0.88366966
Mapkbp1	0.09834451	0.10684994	0.10514356	0.00170638	0.46986462	0.89054584
Tarsl2	0.14054911	0.15097931	0.14927674	0.00170257	0.47881125	0.89054584
Sag	0.12270169	0.13240033	0.13070491	0.00169542	0.47590543	0.89054584
P4htm	0.21207784	0.22412755	0.22243437	0.00169317	0.48585491	0.89054584
Med26	0.14555174	0.15614906	0.1544604	0.00168865	0.47968892	0.89054584
Prkaa2	0.01195997	0.01448665	0.01279913	0.00168752	0.26952015	0.89054584
Rin2	0.05036408	0.05556681	0.05388603	0.00168078	0.44222959	0.89054584
Ankrd61	0.09420515	0.10240413	0.10072672	0.00167742	0.4690787	0.89054584
Sptlc1	0.29831369	0.30932165	0.30764747	0.00167418	0.48988653	0.89054584
Gm14418	0.03153662	0.03540734	0.0337469	0.00166045	0.40934366	0.89054584
Dcdc2b	0.01617103	0.0189586	0.0173055	0.00165311	0.32814353	0.89054584
Gm15853	0.02633897	0.02983876	0.02818572	0.00165304	0.3923353	0.89054584
Gm10311	0.02480093	0.02819217	0.02654002	0.00165215	0.38589839	0.89054584
Pstk	0.27701475	0.2885716	0.28692636	0.00164524	0.48934377	0.89054584
Klb	0.05218966	0.05748089	0.05583825	0.00164264	0.44549335	0.89054584
Peg12	0.04388329	0.0485946	0.04695481	0.00163979	0.43537605	0.89054584
Crkl	0.02875627	0.03240869	0.03077215	0.00163654	0.40215446	0.89054584
Lingo1	0.2455801	0.25758346	0.25594862	0.00163484	0.48812989	0.89054584
Cerk	0.10593448	0.11478151	0.11314883	0.00163269	0.47320074	0.89054584
Nudt12	0.05764885	0.06330477	0.06167544	0.00162933	0.45102229	0.89054584
Zfp335os	0.03994489	0.04437004	0.04274209	0.00162794	0.42957825	0.89054584
Eci3	0.00983285	0.01214632	0.0105228	0.00162352	0.23612913	0.89054584
Rab43	0.03058475	0.03435058	0.03272849	0.00162209	0.40869372	0.89054584

Upk3bl	0.03605131	0.04018617	0.03857692	0.00160925	0.42295098	0.89054584
Mtg2	0.28503189	0.29634846	0.29475144	0.00159702	0.48993058	0.89054584
Etv3	0.10169453	0.11028943	0.10869299	0.00159643	0.47272228	0.89054584
Wfikkn1	0.00961794	0.01188793	0.01029282	0.00159512	0.23514321	0.89054584
Gm17259	0.058789	0.06448708	0.0628944	0.00159268	0.45304222	0.89054584
Ift140	0.07934473	0.08645299	0.08486083	0.00159215	0.4651725	0.89054584
E2f6	0.11090953	0.11995639	0.11836881	0.00158757	0.47508789	0.89054584
Al597479	0.20316941	0.21502111	0.21343912	0.001582	0.48622654	0.89054584
Myl6b	0.08560026	0.09311959	0.09154128	0.0015783	0.46798868	0.89054584
Tmem35	0.02737657	0.03087014	0.02929593	0.00157422	0.40115898	0.89054584
Dclk2	0.02029159	0.02328637	0.02171485	0.00157152	0.36799424	0.89054584
Agps	0.1753686	0.18671914	0.1851514	0.00156774	0.48426631	0.89054584
Rbm3os	0.02258459	0.02573383	0.02416849	0.00156534	0.38142167	0.89054584
Hkdc1	0.01232146	0.01474723	0.01318598	0.00156125	0.29060076	0.89054584
4930590J08F	0.02132291	0.02437691	0.02281843	0.00155848	0.37516583	0.89054584
BC030867	0.03112205	0.03484216	0.03330335	0.00153881	0.41477823	0.89054584
1700084C06I	0.01313398	0.0155902	0.01405548	0.00153472	0.30547747	0.89054584
2210013O21	1.22972904	0.94446746	0.94294315	0.00152431	0.49699544	0.89054584
Gpr4	0.020706	0.02368073	0.0221583	0.00152243	0.37444558	0.89054584
Gm3667	0.01373466	0.01621277	0.01469828	0.00151448	0.31559632	0.89054584
Vsig2	0.0322512	0.03602505	0.03451141	0.00151364	0.41904519	0.89054584
Obscn	0.01363394	0.01610288	0.01459051	0.00151237	0.3145767	0.89054584
Psen1	0.33095721	0.34047797	0.33896708	0.00151089	0.49171598	0.89054584
Zcwpw1	0.11327482	0.12235819	0.12084736	0.00151083	0.47677644	0.89054584
2900026A02I	0.28830066	0.29944292	0.29793342	0.0015095	0.4905839	0.89054584
Simc1	0.11210105	0.12112423	0.11961765	0.00150658	0.47660386	0.89054584
Mrpl1	0.63981117	0.60666236	0.6051559	0.00150645	0.49537325	0.89054584
Sytl2	0.03610345	0.04013739	0.0386327	0.00150469	0.42800335	0.89054584
Nppc	0.01141372	0.01371475	0.01221457	0.00150018	0.28359098	0.89054584
Gm9930	0.02637915	0.02972803	0.02822871	0.00149932	0.40227932	0.89054584

Slc1a6	0.0097392	0.01190532	0.01042258	0.00148273	0.25373334	0.89054584
Lypd2	0.0132303	0.01563724	0.01415855	0.00147869	0.31328133	0.89054584
Thumpd2	0.08925168	0.09691647	0.09543963	0.00147684	0.47126412	0.89054584
Gsap	0.03782067	0.04194516	0.04046974	0.00147541	0.43256322	0.89054584
Neat1	0.13873564	0.14886453	0.14739522	0.00146931	0.48147872	0.89054584
Ier5l	0.03343009	0.03723555	0.03577266	0.00146289	0.4244497	0.89054584
Wnk2	0.0851395	0.09250929	0.09104931	0.00145998	0.47022419	0.89054584
Atp1b2	0.05735036	0.06281494	0.06135631	0.00145862	0.45590452	0.89054584
Gxylt1	0.23022063	0.24210397	0.24064557	0.0014584	0.48873744	0.89054584
Scal	0.17148569	0.1826332	0.18117506	0.00145814	0.48504461	0.89054584
Gm26847	0.01467988	0.01716022	0.01570979	0.00145043	0.33354576	0.89054584
Dnal4	0.45153936	0.45116724	0.44971848	0.00144877	0.4940126	0.89054584
Syt11	0.20576319	0.21750979	0.21606156	0.00144823	0.48754377	0.89054584
Fam26f	0.01663008	0.01924268	0.01779673	0.00144595	0.35251799	0.89054584
Fam49b	0.54914422	0.53457573	0.53313295	0.00144278	0.49497021	0.89054584
Ice2	0.08275507	0.08994032	0.08850311	0.00143721	0.46984604	0.89054584
Epg5	0.04768846	0.05246052	0.05102461	0.00143591	0.4478443	0.89054584
A930029G22	0.07489469	0.08154307	0.08010717	0.0014359	0.46672283	0.89054584
2810006K23l	0.25629586	0.26799491	0.26656016	0.00143476	0.4899969	0.89054584
Usp32	0.1646674	0.17561018	0.17417766	0.00143253	0.48471727	0.89054584
Prkrir	0.19640288	0.20801542	0.20658437	0.00143105	0.48712701	0.89054584
Cep120	0.12060239	0.1299349	0.12851259	0.00142232	0.47943845	0.89054584
Unc13d	0.03002832	0.03355428	0.03213315	0.00142112	0.41837732	0.89054584
2610305D13	0.03010825	0.03363477	0.03221867	0.0014161	0.41887441	0.89054584
Zwilch	0.05250883	0.05759462	0.05617955	0.00141507	0.45329097	0.89054584
Atxn3	0.10534822	0.11394606	0.1125331	0.00141295	0.47667629	0.89054584
Adamtsl4	0.03051027	0.03406126	0.03264879	0.00141247	0.42013134	0.89054584
3930402G23	0.02374288	0.02682004	0.02540789	0.00141214	0.39784126	0.89054584
Zbtb18	0.10717773	0.11586489	0.11445414	0.00141075	0.47710309	0.89054584
Mtor	0.12046692	0.12978147	0.12837105	0.00141043	0.47958776	0.89054584

Elovl5	0.26962547	0.28109469	0.27968651	0.00140819	0.49064279	0.89054584
Usp36	0.22585858	0.23767962	0.2362806	0.00139902	0.48899631	0.89054584
Klhl20	0.15889365	0.16963463	0.16823741	0.00139721	0.48456777	0.89054584
Sfn	0.02945276	0.03290399	0.03151734	0.00138665	0.41879492	0.89054584
Smoc1	0.14462789	0.15488362	0.15350386	0.00137976	0.48329852	0.89054584
Susd4	0.04638012	0.05099742	0.04962533	0.00137209	0.44875211	0.89054584
Tnfaip3	0.03279673	0.03646296	0.03509506	0.00136791	0.4279512	0.89054584
Gigyf1	0.30583919	0.31627725	0.31491509	0.00136216	0.49196099	0.89054584
Vstm2b	0.02730925	0.03058225	0.02922389	0.00135836	0.41427837	0.89054584
Scube1	0.01638966	0.01888591	0.01753945	0.00134646	0.36030051	0.89054584
Rec8	0.02239471	0.0253019	0.02396531	0.00133659	0.39749425	0.89054584
Kdelr1	1.56114663	1.05286632	1.05153632	0.00133001	0.49764915	0.89054584
Gm38399	0.01213834	0.01431732	0.01299001	0.00132732	0.3170196	0.89054584
Itgal	0.01389503	0.01619443	0.0148699	0.00132453	0.33907363	0.89054584
Fam192a	0.63907719	0.60591816	0.60459492	0.00132324	0.49593216	0.89054584
Gm37986	0.00976801	0.01177584	0.01045342	0.00132243	0.2778004	0.89054584
Topbp1	0.22552314	0.23726294	0.23594458	0.00131836	0.48961582	0.89054584
Ly96	0.13844731	0.14841427	0.14709596	0.00131831	0.48334722	0.89054584
Adam11	0.02804495	0.03132225	0.03001106	0.00131119	0.41935235	0.89054584
Amy2a5	0.00960498	0.01158819	0.01027895	0.00130924	0.27645236	0.89054584
Ap2a2	0.85727764	0.75598173	0.7546726	0.00130913	0.49677584	0.89054584
Dapl1	0.00920789	0.01111611	0.009854	0.00130711	0.26828894	0.89054584
2310010G23	0.04388961	0.04826494	0.04696157	0.00130336	0.44855871	0.89054584
Nog	0.01256698	0.01474907	0.01344872	0.00130036	0.32618446	0.89054584
Dcakd	0.7578177	0.69178009	0.69048055	0.00129953	0.49650194	0.89054584
Map4k4	0.4997104	0.49291548	0.49162077	0.0012947	0.49510529	0.89054584
Spag8	0.01250493	0.01467276	0.01338232	0.00129044	0.32662389	0.89054584
Il15	0.0136721	0.01591169	0.01463134	0.00128035	0.34174998	0.89054584
Car14	0.01331628	0.01552799	0.01425057	0.00127742	0.33811003	0.89054584
Tmem194b	0.01545166	0.01780708	0.01653569	0.0012714	0.36009051	0.89054584

Dhx16	0.14572272	0.15590081	0.1546374	0.00126341	0.48481822	0.89054584
Colq	0.00866705	0.01053565	0.00927522	0.00126044	0.26332859	0.89054584
Asxl1	0.11226588	0.12104985	0.11979036	0.0012595	0.48046568	0.89054584
2010300C02I	0.06738949	0.0733468	0.07208756	0.00125924	0.46756851	0.89054584
Sh3pxd2b	0.14277849	0.15284452	0.151588	0.00125652	0.48459743	0.89054584
Akap11	0.4631599	0.46120638	0.4599543	0.00125208	0.49494053	0.89054584
Gm13212	0.03290534	0.03646175	0.03521126	0.00125049	0.43429183	0.89054584
Ncbp2	0.88112538	0.77024271	0.7689953	0.00124741	0.49698507	0.89054584
Trank1	0.01343988	0.0156177	0.01438283	0.00123487	0.34457718	0.89054584
Ccdc69	0.02124411	0.02396787	0.02273411	0.00123376	0.40019758	0.89054584
Gm15496	0.01319084	0.0153471	0.01411633	0.00123077	0.34229696	0.89054584
Hist1h4h	0.04034997	0.04440441	0.04317541	0.00122901	0.4472475	0.89054584
Serpina1e	0.03901885	0.04297874	0.04175148	0.00122726	0.44553657	0.89054584
Inpp5k	0.15338541	0.16377198	0.16255782	0.00121416	0.48612036	0.89054584
Rhpn1	0.06311092	0.06872786	0.06751454	0.00121332	0.46663672	0.89054584
Bcs1l	0.19301324	0.20435478	0.2031431	0.00121168	0.4889152	0.89054584
Fam160b2	0.14956533	0.15982337	0.15861211	0.00121126	0.48580921	0.89054584
Oasl2	0.02603449	0.0290704	0.02785993	0.00121047	0.41979262	0.89054584
Tmem104	0.03874537	0.04266078	0.04145894	0.00120184	0.44628349	0.89054584
Eda2r	0.02122272	0.02390846	0.02271123	0.00119723	0.40299663	0.89054584
B230322F03I	0.03813667	0.04200183	0.04080779	0.00119404	0.44578372	0.89054584
Zdhhc13	0.14348099	0.15350987	0.15231591	0.00119396	0.4854338	0.89054584
Cobl	0.05996547	0.06534493	0.06415212	0.00119281	0.46548444	0.89054584
Card9	0.0175398	0.01996234	0.01877021	0.00119212	0.3836549	0.89054584
Dmc1	0.01156618	0.01356553	0.01237772	0.00118781	0.32740614	0.89054584
2310001H17I	0.05048978	0.05520622	0.05402046	0.00118576	0.45927336	0.89054584
Rnasek	0.00951701	0.01136834	0.0101848	0.00118354	0.29411619	0.89054584
6430573F11I	0.08048894	0.0872646	0.08608294	0.00118166	0.47450383	0.89054584
Tpgs2	0.2298855	0.2414904	0.24031053	0.00117988	0.49087521	0.89054584
Syk	0.02934874	0.0325838	0.03140605	0.00117775	0.43065251	0.89054584

9330104G04	0.03845409	0.04232368	0.04114735	0.00117634	0.44702096	0.89054584
Eya1	0.06247737	0.06801218	0.06683733	0.00117485	0.46736549	0.89054584
Uty	0.11025335	0.11884412	0.11768085	0.00116328	0.48163374	0.89054584
Rasd2	0.01639815	0.01870492	0.01754854	0.00115638	0.37941908	0.89054584
Fundc2	1.3104309	0.97561498	0.97446193	0.00115305	0.49780073	0.89054584
Rnf122	0.06801449	0.07390585	0.0727555	0.00115035	0.47063913	0.89054584
Col7a1	0.01878643	0.02125101	0.02010422	0.00114679	0.39521361	0.89054584
Al504432	0.00948677	0.01129703	0.01015244	0.00114459	0.29970457	0.89054584
Gm9484	0.01984733	0.02238347	0.02123947	0.001144	0.40093025	0.89054584
Ehhadh	0.01798884	0.02039139	0.01925073	0.00114066	0.39125253	0.89054584
Plekhm3	0.05917875	0.06445126	0.06331107	0.00114019	0.46656622	0.89054584
Syt3	0.03648983	0.04018561	0.03904605	0.00113956	0.44592212	0.89054584
Saxo2	0.07408254	0.08037883	0.07923949	0.00113934	0.47329546	0.89054584
Glyctk	0.01420579	0.01632901	0.01520245	0.00112656	0.36495547	0.89054584
Hck	0.02509652	0.02798051	0.02685631	0.0011242	0.42268782	0.89054584
Gm17249	0.02088549	0.02347029	0.02235037	0.00111993	0.40770636	0.89054584
Tecr	2.11796406	1.12537123	1.12425319	0.00111804	0.49815163	0.89054584
BC022687	0.24961232	0.2610595	0.25994796	0.00111154	0.49205295	0.89054584
Dtx1	0.03169003	0.03501869	0.03391102	0.00110766	0.43952301	0.89054584
Invs	0.21451103	0.22599104	0.22488528	0.00110576	0.49086184	0.89054584
Cers4	0.22919301	0.24071405	0.23961804	0.001096	0.49149926	0.89054584
Dpysl5	0.04520654	0.04946357	0.04837014	0.00109343	0.45806186	0.89054584
Surf1	0.48719289	0.48196082	0.48086752	0.0010933	0.49577425	0.89054584
Prodh2	0.06844242	0.07430297	0.07321282	0.00109014	0.47234683	0.89054584
Slc6a9	0.0050924	0.00653501	0.00544976	0.00108525	0.17676261	0.848016
Gm15915	0.0755785	0.08191838	0.0808377	0.00108067	0.47516881	0.89054584
Hexim2	0.06489423	0.0705012	0.06942067	0.00108053	0.47109561	0.89054584
Slc30a7	0.24076072	0.25223883	0.25115861	0.00108022	0.4920066	0.89054584
Hist1h2ag	0.02246158	0.02511158	0.02403686	0.00107473	0.41749404	0.89054584
Fam57b	0.05004933	0.0546213	0.05354944	0.00107187	0.4628504	0.89054584

Sema7a	0.01345892	0.01546254	0.01440321	0.00105933	0.36592879	0.89054584
Drc1	0.11896976	0.12785168	0.12680646	0.00104523	0.48468349	0.89054584
Elovl4	0.03933312	0.04313087	0.04208767	0.0010432	0.45403303	0.89054584
Gm21994	0.00905223	0.0107261	0.00968742	0.00103868	0.30870343	0.89054584
Ccbe1	0.01946243	0.02185953	0.02082759	0.00103194	0.40872113	0.89054584
Cox18	0.34599751	0.35423851	0.35321397	0.00102453	0.49460896	0.89054584
Gm8225	0.01250181	0.01440248	0.01337897	0.00102351	0.36076506	0.89054584
C1rb	0.03281519	0.03613505	0.03511481	0.00102024	0.44616266	0.89054584
Dnah11	0.01849095	0.02079908	0.01978804	0.00101104	0.40592408	0.89054584
Cdc25c	0.03604511	0.03957865	0.03857028	0.00100837	0.45152807	0.89054584
Smad1	0.31804863	0.32765415	0.32664658	0.00100757	0.49426703	0.89054584
Zfp182	0.0739461	0.08009752	0.07909371	0.00100381	0.47642486	0.89054584
Pcna-ps2	0.03946103	0.04322272	0.0422245	0.00099823	0.4561485	0.89054584
Mdga2	0.008484	0.01007617	0.00907932	0.00099685	0.30449396	0.89054584
Jade2	0.02866922	0.03167565	0.030679	0.00099665	0.43984916	0.89054584
Mitd1	0.36470787	0.37175757	0.37077015	0.00098742	0.49505023	0.89054584
Slc41a3	0.05859621	0.06366909	0.06268828	0.00098081	0.47094556	0.89054584
Gm10382	0.00501978	0.00634995	0.00537204	0.00097791	0.19819042	0.89054584
Tmem203	0.32159288	0.33100609	0.330038	0.00096809	0.49454825	0.89054584
Fam117a	0.11958921	0.12841517	0.12745391	0.00096126	0.48598493	0.89054584
Dcaf12	0.3592629	0.36664091	0.36568026	0.00096066	0.49511738	0.89054584
Fancl	0.16562674	0.17611833	0.17516335	0.00095498	0.48986781	0.89054584
Abca1	0.25142102	0.26269171	0.26173944	0.00095227	0.49323812	0.89054584
Gm17518	0.01494268	0.01694017	0.01599102	0.00094915	0.39106956	0.89054584
A4galt	0.02926676	0.03226509	0.03131834	0.00094675	0.44399859	0.89054584
Oard1	0.52116338	0.51076672	0.50982442	0.0009423	0.49656472	0.89054584
Rab31	0.07429032	0.08039786	0.07946147	0.00093638	0.47810852	0.89054584
Ffar3	0.03331075	0.03657612	0.03564499	0.00093113	0.45156748	0.89054584
Lca5l	0.02457806	0.02723242	0.02630155	0.00093086	0.43451562	0.89054584
Slmo1	0.01778012	0.01995764	0.01902738	0.00093026	0.4099093	0.89054584

Echs1	1.1873148	0.92592662	0.924997	0.00092963	0.49813206	0.89054584
Slc43a1	0.04160238	0.04544137	0.04451508	0.00092629	0.46138476	0.89054584
D930030I03F	0.01342968	0.01529428	0.01437192	0.00092236	0.3824691	0.89054584
Usp27x	0.03488122	0.03824661	0.03732515	0.00092146	0.45421576	0.89054584
Pcdhga12	0.06786604	0.07351734	0.07259686	0.00092048	0.47644727	0.89054584
A230050P20I	0.11810502	0.12682135	0.12590238	0.00091896	0.4864363	0.89054584
Pcdhb18	0.00930141	0.01087212	0.00995408	0.00091804	0.33371311	0.89054584
Ppp2r5c	0.45019366	0.4494458	0.44852786	0.00091794	0.49619623	0.89054584
Al427809	0.01724147	0.01936825	0.01845097	0.00091728	0.40841769	0.89054584
Jmjd8	0.43766294	0.43830492	0.43739043	0.00091448	0.49611405	0.89054584
Tmem116	0.07594475	0.08213559	0.08122897	0.00090662	0.47926442	0.89054584
Zfp729a	0.05725879	0.06216405	0.06125841	0.00090564	0.47254347	0.89054584
Proca1	0.03817275	0.04175116	0.04084639	0.00090477	0.45890289	0.89054584
Pcdh11x	0.02925344	0.03220818	0.03130408	0.0009041	0.44648164	0.89054584
Uvrag	0.27498127	0.28583426	0.28493665	0.00089761	0.49414509	0.89054584
Slc30a6	0.17624857	0.18694843	0.18605168	0.00089675	0.49104222	0.89054584
Kcnh3	0.0124796	0.01425122	0.01335521	0.00089601	0.37730359	0.89054584
Gdpgp1	0.09812259	0.10579363	0.10490679	0.00088684	0.4842918	0.89054584
Adi1	0.22510125	0.2363989	0.23552189	0.00087701	0.4930793	0.89054584
Tmem178	0.03478121	0.03809399	0.03721815	0.00087584	0.45634843	0.89054584
Slc25a33	0.16612071	0.17654527	0.17567075	0.00087453	0.49074808	0.89054584
Cd3e	0.00494502	0.0061622	0.00529202	0.00087018	0.22181521	0.89054584
Cldn18	0.00494502	0.0061622	0.00529202	0.00087018	0.22181521	0.89054584
Acot6	0.0254994	0.02815658	0.02728739	0.00086919	0.44101265	0.89054584
Plekhg3	0.18585183	0.19672478	0.19585648	0.00086831	0.49176047	0.89054584
Tram1l1	0.09760744	0.10522528	0.10435717	0.00086811	0.48454252	0.89054584
Kcnab2	0.01334988	0.01515089	0.01428652	0.00086436	0.38901946	0.89054584
Gm42903	0.00919271	0.01069605	0.00983775	0.00085829	0.34219906	0.89054584
Eml4	0.53687925	0.52383404	0.52297791	0.00085613	0.49695738	0.89054584
Adgra1	0.01221927	0.01393202	0.01307662	0.0008554	0.38027341	0.89054584

Gm44036	0.00913886	0.01063455	0.00978012	0.00085443	0.34199536	0.89054584
Abcc12	0.02066762	0.02297131	0.02211723	0.00085408	0.42861166	0.89054584
Soga1	0.06747184	0.07302892	0.07217557	0.00085335	0.47803587	0.89054584
Hspa9	1.24693941	0.9507846	0.94993138	0.00085322	0.49833059	0.89054584
Adssl1	0.03665391	0.04005963	0.03922158	0.00083805	0.46035144	0.89054584
Krt15	0.0131716	0.014925	0.01409574	0.00082926	0.39200896	0.89054584
Bcl6b	0.09355833	0.10086365	0.10003643	0.00082722	0.48463432	0.89054584
Usp21	0.15649979	0.16659476	0.16577057	0.00082418	0.49075995	0.89054584
Kcnk16	0.11276446	0.12113661	0.12031273	0.00082388	0.48727444	0.89054584
Lrrc51	0.09152466	0.0986796	0.0978659	0.0008137	0.48455022	0.89054584
Gmpr	0.33060183	0.33944074	0.33862905	0.00081168	0.49554497	0.89054584
Tmem86a	0.27607552	0.2868106	0.28600759	0.00080301	0.49478171	0.89054584
Srrm4	0.01275109	0.01444867	0.01364573	0.00080294	0.39198823	0.89054584
Npas2	0.01722808	0.01923787	0.01843665	0.00080122	0.41977506	0.89054584
Igsf21	0.08856142	0.09549329	0.09470276	0.00079052	0.48448901	0.89054584
Meikin	0.00855852	0.00994704	0.00915907	0.00078797	0.34427775	0.89054584
Bcl11a	0.21186063	0.22299942	0.22221545	0.00078397	0.49344303	0.89054584
Gm15420	0.0131335	0.01483861	0.01405496	0.00078364	0.39752356	0.89054584
Col25a1	0.02182736	0.02413837	0.02335822	0.00078015	0.43817205	0.89054584
Adcy2	0.01321816	0.01489998	0.01414556	0.00075441	0.40188498	0.89054584
Gm26797	0.01144761	0.01300243	0.01225083	0.0007516	0.3875044	0.89054584
C1s2	0.03174795	0.03471842	0.03397299	0.00074543	0.45928865	0.89054584
Col6a5	0.01281161	0.0144491	0.01371051	0.0007386	0.40091424	0.89054584
Kif3c	0.08245513	0.08892116	0.0881828	0.00073836	0.48444146	0.89054584
Pnkp	0.20334918	0.21435877	0.21362095	0.00073782	0.49358075	0.89054584
Cdhr2	0.0469313	0.05094908	0.05021482	0.00073426	0.47284316	0.89054584
Nap1l2	0.05159874	0.05592969	0.05520635	0.00072334	0.47566237	0.89054584
Aim2	0.02174666	0.02399437	0.02327187	0.00072251	0.44249637	0.89054584
Sema4g	0.04904325	0.05318925	0.05247351	0.00071574	0.47466515	0.89054584
Bloc1s5	0.21652096	0.22761131	0.22690786	0.00070345	0.49423814	0.89054584

Lrrc75b	0.01344324	0.0150893	0.01438644	0.00070286	0.40997182	0.89054584
Stk10	0.01561159	0.01740948	0.01670683	0.00070265	0.422327	0.89054584
Jdp2	0.01725324	0.01916488	0.01846358	0.00070131	0.42976932	0.89054584
Card6	0.02002557	0.02212941	0.02143019	0.00069922	0.43958932	0.89054584
Atxn1	0.1848681	0.19554643	0.19485385	0.00069258	0.49339404	0.89054584
Rbm12b1	0.05099158	0.05524913	0.05455707	0.00069206	0.47643659	0.89054584
Morc3	0.36301399	0.36987812	0.36918821	0.00068991	0.49652674	0.89054584
RP24-143K11	0.03042745	0.03324917	0.03256019	0.00068898	0.46073401	0.89054584
Cfap97	0.48513875	0.47978269	0.47909382	0.00068887	0.49732753	0.89054584
Atp8a1	0.03310726	0.03611208	0.03542728	0.0006848	0.4641215	0.89054584
Fam19a1	0.03867718	0.04206904	0.041386	0.00068304	0.46935472	0.89054584
Wdr6	0.80751757	0.72413514	0.72345438	0.00068076	0.49825104	0.89054584
Paqr8	0.02418334	0.02655447	0.02587919	0.00067528	0.4516203	0.89054584
Fbxl8	0.03846239	0.04182484	0.04115622	0.00066862	0.46983348	0.89054584
Cdk20	0.07646923	0.08245366	0.08178926	0.0006644	0.48490529	0.89054584
Necab3	0.0276496	0.03024845	0.02958806	0.00066039	0.45859062	0.89054584
Rrp12	0.07258342	0.07829153	0.07763778	0.00065375	0.48435332	0.89054584
RP24-267C3.	0.01682989	0.01866226	0.01801054	0.00065172	0.43306147	0.89054584
Rps6ka5	0.03380431	0.03681273	0.03617303	0.0006397	0.46716782	0.89054584
Map1a	0.26503726	0.27581606	0.27517778	0.00063828	0.4956889	0.89054584
Lypd6b	0.01568892	0.01742176	0.01678958	0.00063218	0.43037337	0.89054584
Cxcr4	0.00869451	0.00993519	0.0093046	0.00063059	0.37609729	0.89054584
Sdk1	0.1229666	0.1316116	0.13098144	0.00063015	0.49105877	0.89054584
Dnd1	0.00476122	0.00571264	0.00509533	0.00061731	0.28622721	0.89054584
Prr33	0.02327007	0.02551904	0.02490197	0.00061707	0.45404495	0.89054584
Cd300a	0.0047589	0.00570707	0.00509285	0.00061423	0.28709407	0.89054584
Plk3	0.04057172	0.0440232	0.04341261	0.00061059	0.47387713	0.89054584
Exd1	0.01107365	0.01245813	0.01185064	0.00060749	0.40561955	0.89054584
Pfkp	0.06568607	0.07087329	0.07026701	0.00060628	0.4839674	0.89054584
Mmp19	0.02011902	0.02213396	0.0215302	0.00060376	0.44802655	0.89054584

Fbxl21	0.00900861	0.01023698	0.00964073	0.00059625	0.38661921	0.89054584
Moxd1	0.00474475	0.0056732	0.00507771	0.00059549	0.29240341	0.89054584
Epha1	0.05786345	0.06249721	0.06190488	0.00059232	0.48222177	0.89054584
Adamts14	0.01455545	0.01616613	0.01557664	0.00058949	0.43002278	0.89054584
Hhatl	0.01340772	0.01493785	0.01434843	0.00058943	0.42411126	0.89054584
Plxna4	0.03199707	0.03482875	0.03423952	0.00058923	0.46804869	0.89054584
Hsd12	0.38873153	0.39362344	0.39303552	0.00058793	0.49721974	0.89054584
Gm14305	0.26921601	0.27987018	0.27928455	0.00058563	0.49610269	0.89054584
Nrxn1	0.0483457	0.05231189	0.05172751	0.00058438	0.4790122	0.89054584
Ube2u	0.01479236	0.0164116	0.01583016	0.00058144	0.43206321	0.89054584
Padi1	0.01319889	0.01470269	0.01412494	0.00057775	0.42443369	0.89054584
Ccdc88c	0.05232498	0.0565576	0.05598295	0.00057465	0.48092864	0.89054584
Mfsd2a	0.0258026	0.02817702	0.02761181	0.00056522	0.4620109	0.89054584
Adcy7	0.01586384	0.01753627	0.01697677	0.0005595	0.43898504	0.89054584
BC021891	0.0160795	0.01776564	0.01720755	0.00055809	0.43994692	0.89054584
Zfp94	0.03920026	0.04250205	0.04194555	0.0005565	0.47535657	0.89054584
Gm26624	0.0186415	0.0205054	0.01994914	0.00055626	0.44831864	0.89054584
Nhlh1	0.01327279	0.0147602	0.01420403	0.00055617	0.42762468	0.89054584
Fstl3	0.0695778	0.07497974	0.07442615	0.0005536	0.48617776	0.89054584
Adora2a	0.10476623	0.11247398	0.11192174	0.00055224	0.49082989	0.89054584
Disp1	0.04215505	0.04565435	0.04510625	0.0005481	0.47742693	0.89054584
Nxph4	0.01308846	0.01454797	0.01400677	0.00054119	0.4285718	0.89054584
Ano9	0.02263006	0.02475719	0.02421714	0.00054005	0.45862621	0.89054584
Csnk1g1	0.34217732	0.3501395	0.34960636	0.00053314	0.49716562	0.89054584
Slc5a7	0.00828833	0.00940079	0.00886992	0.00053087	0.39018307	0.89054584
Tnfrsf11a	0.00893511	0.01008411	0.00956208	0.00052203	0.39961371	0.89054584
Tle4	0.03833119	0.04153551	0.04101587	0.00051964	0.47646599	0.89054584
Gak	0.19882938	0.20956113	0.20904478	0.00051635	0.49540915	0.89054584
Rnf125	0.01295603	0.01437861	0.01386505	0.00051356	0.4314958	0.89054584
Tmem9	0.95822745	0.81304578	0.81253425	0.00051154	0.49882988	0.89054584

Brip1	0.06295155	0.06785443	0.0673442	0.00051024	0.48592079	0.89054584
Ccdc180	0.01235927	0.01372946	0.01322644	0.00050302	0.42968067	0.89054584
Pitpnm1	0.06888997	0.07419113	0.0736911	0.00050003	0.48739039	0.89054584
St7l	0.44943892	0.44835813	0.44785963	0.0004985	0.49793121	0.89054584
Metap1d	0.31023914	0.31964624	0.31915098	0.00049526	0.49711574	0.89054584
Hrc	0.01199939	0.01333597	0.01284131	0.00049466	0.42878617	0.89054584
Rdh14	0.57919666	0.55809847	0.55760724	0.00049123	0.49836262	0.89054584
AW549877	0.09900648	0.10634072	0.10584979	0.00049092	0.49138044	0.89054584
Hnmt	0.01808543	0.01984475	0.01935409	0.00049066	0.45298932	0.89054584
Zfp467	0.35644994	0.36353341	0.36304471	0.0004887	0.49749808	0.89054584
Mr1	0.05317971	0.05738159	0.05689693	0.00048466	0.48417189	0.89054584
Slc6a20a	0.02108822	0.02304812	0.0225673	0.00048082	0.46046441	0.89054584
Zfp449	0.13279754	0.14169642	0.14122541	0.00047102	0.49380125	0.89054584
Prkd2	0.08818651	0.09477239	0.09430252	0.00046987	0.49074004	0.89054584
Mrpl44	0.48446753	0.47898006	0.47851367	0.00046638	0.49818848	0.89054584
Tmem139	0.02368673	0.02581417	0.02534781	0.00046636	0.46584557	0.89054584
Dnah2	0.02019324	0.02206932	0.02160962	0.0004597	0.46052556	0.89054584
Alg10b	0.03921304	0.04241392	0.04195922	0.0004547	0.47986705	0.89054584
Zik1	0.03691093	0.03995107	0.03949653	0.00045454	0.47862024	0.89054584
Arhgap11a	0.06300966	0.06785843	0.0674063	0.00045213	0.48753519	0.89054584
Oxtr	0.03349791	0.03629692	0.03584522	0.0004517	0.4765917	0.89054584
Angpt1	0.04550182	0.04913177	0.04868596	0.00044582	0.48298558	0.89054584
Zswim1	0.0715357	0.07696329	0.07651829	0.000445	0.48919228	0.89054584
Epb41l4aos	0.38562358	0.39061426	0.39017314	0.00044112	0.49789867	0.89054584
Igsf11	0.02308298	0.02514047	0.02470178	0.00043869	0.46702885	0.89054584
Cfap70	0.02349876	0.02558199	0.02514668	0.00043532	0.46785966	0.89054584
RP23-335G1	0.04356955	0.04705371	0.04661923	0.00043447	0.48268362	0.89054584
Herc3	0.0490578	0.05292188	0.05248907	0.00043281	0.48467804	0.89054584
2310040G07	0.01211424	0.01338599	0.01296423	0.00042177	0.43976327	0.89054584
Cdnf	0.01084769	0.01202013	0.01160883	0.0004113	0.43444618	0.89054584

Olfml2a	0.00858351	0.00959299	0.00918582	0.00040718	0.4181941	0.89054584
E430024P14I	0.05727447	0.06166981	0.06127517	0.00039464	0.48803137	0.89054584
Pex26	0.12829857	0.13693012	0.13654185	0.00038827	0.49471489	0.89054584
Rasa1	0.03148599	0.0340791	0.03369273	0.00038638	0.47869585	0.89054584
Sdr39u1	0.25341546	0.26409921	0.26371309	0.00038612	0.49727862	0.89054584
Prrc2c	1.67981311	1.07801987	1.07763417	0.0003857	0.49933477	0.89054584
Rasl2-9	0.01886709	0.02057566	0.02019054	0.00038512	0.46459415	0.89054584
Cadm3	0.02871215	0.03110055	0.03072494	0.00037562	0.47729002	0.89054584
Pik3cb	0.03940412	0.04251804	0.04216362	0.00035441	0.48438079	0.89054584
Zglp1	0.00812171	0.00904444	0.00869161	0.00035283	0.4249964	0.89054584
Gm26610	0.01288436	0.01414068	0.01378836	0.00035232	0.45262043	0.89054584
Rad1	0.27476311	0.28507538	0.28472307	0.00035231	0.49770014	0.89054584
Pvt1	0.01703576	0.0185827	0.01823084	0.00035186	0.46417559	0.89054584
Pcdhb22	0.04221966	0.04552703	0.04517536	0.00035167	0.48553446	0.89054584
Sdhaf4	1.10022965	0.88563094	0.88528162	0.00034932	0.4992666	0.89054584
Ppt2	0.21428204	0.22500199	0.22465473	0.00034725	0.49712706	0.89054584
Slc2a9	0.01833182	0.01996272	0.01961775	0.00034497	0.46735275	0.89054584
Nutf2-ps1	0.01483476	0.01621566	0.01587553	0.00034013	0.46024468	0.89054584
Nop2	0.19916807	0.20972525	0.209388	0.00033725	0.4970064	0.89054584
Arntl2	0.02030972	0.02206876	0.02173426	0.0003345	0.47141921	0.89054584
Gm14308	0.00722704	0.00806133	0.00773417	0.00032715	0.42188554	0.89054584
Swi5	2.777644	1.11237242	1.11204563	0.00032679	0.49945381	0.89054584
Ralbp1	1.35922943	0.99221773	0.9918922	0.00032553	0.49939	0.89054584
Pcgf5	0.11512012	0.12309953	0.12277957	0.00031996	0.49515652	0.89054584
Zbtb8b	0.0145918	0.01593124	0.01561553	0.00031571	0.46247798	0.89054584
Amy2a2	0.00734229	0.0081731	0.0078575	0.0003156	0.42578054	0.89054584
Sbf2	0.36409708	0.37051526	0.37019991	0.00031535	0.49841674	0.89054584
Ccdc163	0.14826025	0.15757784	0.15726281	0.00031503	0.4962768	0.89054584
Gm15706	0.09818816	0.10529024	0.10497675	0.00031348	0.49444987	0.89054584
Tap1	0.05122179	0.05511013	0.05480326	0.00030687	0.48959377	0.89054584

Tbkbp1	0.04394582	0.04732767	0.0470217	0.00030597	0.48790759	0.89054584
Aaas	0.15000134	0.1593677	0.15906274	0.00030496	0.49643657	0.89054584
Bhmt2	0.0066044	0.00737266	0.00706785	0.00030481	0.42037916	0.89054584
Gm15965	0.00795991	0.00882196	0.00851846	0.0003035	0.43408124	0.89054584
Grik2	0.00863091	0.00953685	0.00923654	0.00030031	0.43979963	0.89054584
Eri2	0.09973595	0.10692378	0.10662801	0.00029578	0.49484443	0.89054584
Gm29562	0.01173856	0.01285595	0.01256219	0.00029376	0.45662189	0.89054584
E430018J23F	0.07212599	0.07744	0.07714903	0.00029097	0.49299031	0.89054584
A930007I19F	0.0213967	0.02318433	0.02289739	0.00028694	0.47672161	0.89054584
Asic2	0.01331371	0.01453213	0.01424782	0.00028432	0.46296405	0.89054584
Pggt1b	0.25105467	0.26166036	0.2613767	0.00028367	0.49798286	0.89054584
Gm7808	0.01604182	0.01744669	0.01716722	0.00027947	0.4697719	0.89054584
Scn7a	0.01262875	0.01379354	0.01351482	0.00027872	0.46172788	0.89054584
Nup160	0.09446754	0.10127759	0.10100673	0.00027086	0.49501594	0.89054584
Irak3	0.02000732	0.02167418	0.02141067	0.00026351	0.47713737	0.89054584
Zfp933	0.03379987	0.03642744	0.03616828	0.00025916	0.48668438	0.89054584
Gm26632	0.06963648	0.07473814	0.07448885	0.0002493	0.49377977	0.89054584
Hsd1l	0.2147722	0.22539475	0.2251482	0.00024655	0.49796466	0.89054584
Ptchd1	0.01233822	0.01344668	0.01320391	0.00024277	0.46586812	0.89054584
4831440E17I	0.01621991	0.01759858	0.0173578	0.00024077	0.47423627	0.89054584
Dnah2os	0.01280584	0.01394414	0.01370433	0.00023981	0.46751158	0.89054584
BC089491	0.00749371	0.00825471	0.00801956	0.00023515	0.44566915	0.89054584
Tm2d3	0.70290851	0.65222787	0.65199346	0.00023441	0.49933177	0.89054584
Ifitm5	0.01286825	0.01400308	0.01377111	0.00023197	0.46872369	0.89054584
BC034090	0.01974253	0.0213587	0.02112733	0.00023138	0.47965389	0.89054584
Hapl1	0.03411876	0.03674053	0.03650944	0.00023109	0.48823723	0.89054584
Gm20707	0.01891478	0.02046962	0.02024157	0.00022806	0.47906858	0.89054584
Zp3	0.01249694	0.01359521	0.01337377	0.00022144	0.46925535	0.89054584
Sap30l	0.15109149	0.16040647	0.16018911	0.00021736	0.49747804	0.89054584
Jsrp1	0.00851406	0.00932321	0.00911149	0.00021172	0.45689566	0.89054584

Ccdc171	0.00694239	0.00763043	0.00742955	0.00020088	0.44987731	0.89054584
Tal1	0.02048856	0.02212435	0.02192562	0.00019872	0.4831592	0.89054584
Mtus1	0.10696387	0.1144266	0.11422964	0.00019697	0.49679516	0.89054584
Kif26b	0.01989946	0.02149115	0.02129525	0.0001959	0.48290694	0.89054584
Gm10501	0.00779289	0.00853382	0.00833973	0.00019409	0.45682797	0.89054584
Chst13	0.01262343	0.01370213	0.01350912	0.00019301	0.47346381	0.89054584
Ccdc65	0.04018039	0.04318582	0.042994	0.00019182	0.49170816	0.89054584
Ick	0.14134559	0.15029347	0.1501027	0.00019077	0.49763777	0.89054584
Gm4349	0.01239153	0.01344015	0.01326096	0.00017919	0.47490088	0.89054584
Palm3	0.02146853	0.02314727	0.02297425	0.00017302	0.48600561	0.89054584
Loxl3	0.09675762	0.1036164	0.10345043	0.00016597	0.49701811	0.89054584
Gm37459	0.00438924	0.00485489	0.00469725	0.00015764	0.43787809	0.89054584
Ccdc85a	0.02021628	0.02178678	0.02163427	0.00015252	0.4868993	0.89054584
Wnt5b	0.05830181	0.0625258	0.06237353	0.00015227	0.49546268	0.89054584
Hspa12a	0.04346402	0.04665037	0.04650636	0.00014402	0.49424444	0.89054584
Gm13715	0.00837943	0.00911047	0.00896741	0.00014306	0.47037602	0.89054584
Zfp384	0.04296662	0.04611622	0.04597433	0.00014189	0.49426384	0.89054584
Mirt1	0.01210171	0.01308924	0.01295081	0.00013843	0.48014198	0.89054584
Cops2	0.78875015	0.71134664	0.71121274	0.0001339	0.49965007	0.89054584
Wbscr25	0.01217278	0.0131599	0.01302687	0.00013303	0.48102612	0.89054584
B230307C23	0.06019637	0.06452853	0.06439896	0.00012958	0.49626028	0.89054584
Lbr	0.33955406	0.34724795	0.34712456	0.00012339	0.4993393	0.89054584
Gm6277	0.00859886	0.00931908	0.00920224	0.00011684	0.47641567	0.89054584
Fsd1	0.04912733	0.05267663	0.05256343	0.0001132	0.49599719	0.89054584
P3h2	0.03247088	0.03485849	0.03474644	0.00011205	0.49400646	0.89054584
Gm5093	0.03886502	0.04167612	0.04158693	8.92E-05	0.49601394	0.89054584
Kcns3	0.03281232	0.03520091	0.03511174	8.92E-05	0.49528032	0.89054584
9430065F17I	0.01614016	0.01735921	0.01727246	8.68E-05	0.49066577	0.89054584
Gm26718	0.00773468	0.00836342	0.00827743	8.60E-05	0.48069847	0.89054584
Zfp934	0.0210156	0.02257436	0.02248959	8.48E-05	0.49299447	0.89054584

Gnmt	0.02069621	0.02223212	0.02214783	8.43E-05	0.49292688	0.89054584
Gm43270	0.01787643	0.01921343	0.01913045	8.30E-05	0.49193835	0.89054584
Zfp658	0.01870685	0.02010034	0.02001907	8.13E-05	0.49245454	0.89054584
Dtx3	0.75531183	0.68885012	0.68877106	7.91E-05	0.49978665	0.89054584
Xpnpep1	0.70800999	0.65573684	0.65565911	7.77E-05	0.49977964	0.89054584
Sec14l1	0.30348754	0.31271967	0.31264711	7.26E-05	0.49956866	0.89054584
Hsd11b1	0.00826254	0.0089141	0.00884232	7.18E-05	0.48491456	0.89054584
Rap2b	0.11519368	0.12292814	0.12285658	7.16E-05	0.49891726	0.89054584
Il1r2	0.01721822	0.0184855	0.0184261	5.94E-05	0.49400804	0.89054584
Kcnmb1	0.01992941	0.02138568	0.0213273	5.84E-05	0.49491223	0.89054584
1700109H08	0.01223118	0.01314111	0.01308936	5.17E-05	0.49265269	0.89054584
Gm7694	0.01120877	0.01204107	0.01199524	4.58E-05	0.49289892	0.89054584
Lck	0.04545811	0.04867718	0.04863921	3.80E-05	0.49854882	0.89054584
Gm12843	0.00855772	0.00919137	0.00915821	3.32E-05	0.49327173	0.89054584
Milr1	0.0122391	0.01313054	0.01309784	3.27E-05	0.49536076	0.89054584
Gm26737	0.01933331	0.02072205	0.02068943	3.26E-05	0.49706942	0.89054584
Mettl24	0.00427403	0.00460336	0.00457395	2.94E-05	0.48805181	0.89054584
Pcdhb7	0.01594605	0.01709408	0.01706474	2.93E-05	0.49680356	0.89054584
Guca1b	0.00693054	0.00743698	0.00741687	2.01E-05	0.49495918	0.89054584
Apba2	0.00833553	0.00893491	0.00892043	1.45E-05	0.4969821	0.89054584
Gata3	0.0165261	0.01769948	0.01768545	1.40E-05	0.49852612	0.89054584
Krba1	0.17481	0.1845921	0.18457974	1.24E-05	0.4998756	0.89054584
Rab42	0.01217574	0.01304084	0.01303003	1.08E-05	0.49845841	0.89054584
Tmem51os1	0.02622561	0.02807516	0.02806442	1.07E-05	0.49928856	0.89054584
Rad9a	0.08728192	0.0933439	0.09333678	7.12E-06	0.49985819	0.89054584
Upk3a	0.00425257	0.00455725	0.00455099	6.26E-06	0.49744139	0.89054584
Lzts1	0.03068441	0.03284138	0.03283512	6.26E-06	0.49964557	0.89054584
B4galnt1	0.02693213	0.02882615	0.02882039	5.76E-06	0.49962845	0.89054584
Itpripl2	0.09242888	0.09883446	0.098831	3.45E-06	0.49993503	0.89054584
Ctnna2	0.02303491	0.02465074	0.02465035	3.99E-07	0.49996995	0.89054584

A830018L16I	0	0	0	0	NA	NA
Pm20d1	0	0	0	0	NA	NA
Platr27	0	0	0	0	NA	NA
A730011C13I	0	0	0	0	NA	NA
Gm28050	0	0	0	0	NA	NA
Cplx1	0	0	0	0	NA	NA
Sec61g	3.88817147	0.98551264	0.98551264	0	0.5	0.89054584
Grik4	0.00837584	0.00896356	0.00896357	-5.73E-09	0.50000119	0.89054584
Slc25a45	0.04726508	0.0505673	0.05057181	-4.51E-06	0.50016582	0.89054584
Pde1b	0.0082923	0.00885921	0.00887417	-1.50E-05	0.50313296	0.89054584
Hoxc5	0.01600118	0.01710751	0.01712373	-1.62E-05	0.5017609	0.89054584
Klk1b3	0.01210764	0.01293875	0.01295716	-1.84E-05	0.50264029	0.89054584
Ccdc64b	0.05064985	0.05416725	0.05419164	-2.44E-05	0.50083673	0.89054584
Fbxw15	0.00422171	0.00449136	0.00451797	-2.66E-05	0.51094472	0.89054584
Pi16	0.0483277	0.05167638	0.05170826	-3.19E-05	0.50114602	0.89054584
Zgrf1	0.03897551	0.04167301	0.04170513	-3.21E-05	0.50143119	0.89054584
Fam151b	0.00843838	0.0089961	0.0090305	-3.44E-05	0.50707997	0.89054584
Angptl6	0.08676361	0.09274677	0.0927834	-3.66E-05	0.50073388	0.89054584
Gm20467	0.02459385	0.02627777	0.02631844	-4.07E-05	0.5028724	0.89054584
Arhgap27os2	0.00848067	0.00903468	0.00907576	-4.11E-05	0.5084114	0.89054584
Cyp4f17	0.01432795	0.015291	0.01533319	-4.22E-05	0.50511387	0.89054584
Ttl	0.09494017	0.10146845	0.1015111	-4.26E-05	0.50078082	0.89054584
Gm26606	0.01134522	0.01209667	0.01214127	-4.46E-05	0.50682663	0.89054584
Cybrd1	0.0069443	0.00738032	0.0074316	-5.13E-05	0.51282348	0.89054584
Zfp953	0.01229406	0.01310114	0.01315665	-5.55E-05	0.50784066	0.89054584
Zfp563	0.03898694	0.04165492	0.04171735	-6.24E-05	0.50278158	0.89054584
Jph4	0.09839874	0.10513815	0.10520142	-6.33E-05	0.50111791	0.89054584
Elf1	0.00741553	0.00787127	0.00793588	-6.46E-05	0.51512853	0.89054584
4930518I15R	0.03032404	0.03238257	0.03244955	-6.70E-05	0.50383639	0.89054584
Zfp799	0.11697637	0.12464753	0.12472198	-7.45E-05	0.50110954	0.89054584

Tbc1d15	0.31103862	0.31983743	0.31991976	-8.23E-05	0.50047835	0.89054584
Slit1	0.11711965	0.12478829	0.12487185	-8.36E-05	0.50124375	0.89054584
Preli2	0.15877098	0.16802338	0.16811106	-8.77E-05	0.5009694	0.89054584
Hes7	0.01530009	0.01628432	0.01637349	-8.92E-05	0.51012086	0.89054584
Prdm10	0.06033269	0.06445437	0.06454469	-9.03E-05	0.50260077	0.89054584
Ccl17	0.01258065	0.0133685	0.01346334	-9.48E-05	0.51309055	0.89054584
Pmm2	0.38250828	0.38720052	0.38729858	-9.81E-05	0.50047057	0.89054584
RP23-455C13	0.01118445	0.01186686	0.01196921	-0.0001024	0.51588993	0.89054584
Myt1l	0.11956761	0.12732449	0.12743133	-0.0001068	0.5015584	0.89054584
Tbc1d32	0.06435986	0.06874263	0.06884952	-0.0001069	0.50288554	0.89054584
Lrp8os2	0.01931934	0.0205635	0.02067448	-0.000111	0.50997673	0.89054584
Trim12c	0.11566505	0.12323893	0.12334993	-0.000111	0.50167244	0.89054584
C77370	0.04458014	0.04758273	0.04770015	-0.0001174	0.50457556	0.89054584
Kank1	0.11522219	0.12276884	0.12288641	-0.0001176	0.50177829	0.89054584
Stk32c	0.02109168	0.02245278	0.022571	-0.0001182	0.50973444	0.89054584
Prr16	0.01624602	0.01726705	0.01738574	-0.0001187	0.51268675	0.89054584
Dynl1b	0.01681883	0.01787964	0.0179987	-0.0001191	0.51229339	0.89054584
L1cam	0.02026035	0.02156159	0.02168143	-0.0001198	0.51027216	0.89054584
Asxl2	0.48764443	0.48112956	0.48125706	-0.0001275	0.50049243	0.89054584
D130051D11	0.02850816	0.03037633	0.03050668	-0.0001304	0.50794123	0.89054584
Gm28875	0.03647501	0.0388897	0.03903019	-0.0001405	0.50669007	0.89054584
Clic5	0.01976322	0.02100879	0.02114946	-0.0001407	0.5123599	0.89054584
Usp30	0.15502008	0.16410145	0.1642446	-0.0001432	0.50161994	0.89054584
Zbtb42	0.01143652	0.01209037	0.01223897	-0.0001486	0.52255473	0.89054584
1500015O10	0.02405248	0.0255857	0.02573917	-0.0001535	0.51108088	0.89054584
Clasp2	0.05466577	0.05832777	0.05848595	-0.0001582	0.50502679	0.89054584
Gm16223	0.02353962	0.02502965	0.0251904	-0.0001608	0.51185941	0.89054584
Radil	0.0351885	0.03748276	0.03765388	-0.0001711	0.50844629	0.89054584
Zfp956	0.04011106	0.04274778	0.04291985	-0.0001721	0.5074508	0.89054584
Ifitm10	0.0081051	0.00849675	0.00867384	-0.0001771	0.5378882	0.89054584

RP23-299D2.	0.03993735	0.04255523	0.04273402	-0.0001788	0.50777575	0.89054584
Sema4f	0.00406655	0.00416729	0.00435192	-0.0001846	0.57834313	0.89054584
Rasgef1a	0.00406655	0.00416729	0.00435192	-0.0001846	0.57834313	0.89054584
Fam228b	0.0299307	0.03184371	0.0320287	-0.000185	0.51073402	0.89054584
1700042O10	0.01132015	0.01192852	0.01211443	-0.0001859	0.52849859	0.89054584
Cyth1	0.23257785	0.24281101	0.24300103	-0.00019	0.50145339	0.89054584
Daglb	0.16162388	0.17085518	0.17104806	-0.0001929	0.50209589	0.89054584
Zfp521	0.08376217	0.08937621	0.08957858	-0.0002024	0.50419886	0.89054584
Abca9	0.01155237	0.01215625	0.01236294	-0.0002067	0.53104301	0.89054584
Arhgef3	0.05770363	0.06152321	0.061734	-0.0002108	0.50634611	0.89054584
Ly9	0.01240602	0.01305857	0.01327646	-0.0002179	0.53047405	0.89054584
Gm21975	0.01240602	0.01305857	0.01327646	-0.0002179	0.53047405	0.89054584
Slc22a2	0.00831116	0.00867592	0.00889435	-0.0002184	0.54554707	0.89054584
Kctd17	0.01193607	0.01254345	0.01277356	-0.0002301	0.5334434	0.89054584
Hoxd9	0.0079015	0.00821754	0.00845595	-0.0002384	0.55225321	0.89054584
1700047I17R	0.04630278	0.04930039	0.04954262	-0.0002422	0.50908656	0.89054584
Nfkbid	0.0146317	0.01541489	0.01565824	-0.0002433	0.52885977	0.89054584
P4ha3	0.08977453	0.09575199	0.09599777	-0.0002458	0.50475868	0.89054584
Rrad	0.02053417	0.0217237	0.02197443	-0.0002507	0.52119708	0.89054584
Adck4	0.19289005	0.20276306	0.20301795	-0.0002549	0.50233348	0.89054584
Mipol1	0.11577976	0.1232139	0.12346998	-0.0002561	0.50385477	0.89054584
Vash1	0.0240257	0.025454	0.02571052	-0.0002565	0.51853739	0.89054584
Tinag	0.00674158	0.00695773	0.00721465	-0.0002569	0.56588621	0.89054584
lqcd	0.00981726	0.01024591	0.01050612	-0.0002602	0.54593184	0.89054584
Fanci	0.01202818	0.01261014	0.01287213	-0.000262	0.53777266	0.89054584
Mb	0.01255924	0.01317754	0.01344044	-0.0002629	0.53630578	0.89054584
4921507P07I	0.00783056	0.00811558	0.00838004	-0.0002645	0.5584439	0.89054584
Wdr11	0.18026622	0.18989124	0.19015815	-0.0002669	0.50260881	0.89054584
Gm26947	0.01235357	0.0129515	0.01322033	-0.0002688	0.53773879	0.89054584
D2Wsu81e	0.37272061	0.37795933	0.37823202	-0.0002727	0.50134	0.89054584

Nrg1	0.03069795	0.03257422	0.0328496	-0.0002754	0.51557711	0.89054584
Sp140	0.01936882	0.02045158	0.02072742	-0.0002758	0.52471954	0.89054584
Zfp282	0.26353581	0.27341949	0.27370014	-0.0002806	0.50190583	0.89054584
Amy2a3	0.00694829	0.00715361	0.00743586	-0.0002823	0.57018468	0.89054584
Nr5a2	0.0969552	0.10337151	0.10366125	-0.0002897	0.50519487	0.89054584
Grin1	0.00821735	0.00848979	0.00879397	-0.0003042	0.56401199	0.89054584
Ppp1r3d	0.03079237	0.03264398	0.03295062	-0.0003066	0.51729166	0.89054584
Rbm41	0.0234405	0.02477379	0.02508434	-0.0003106	0.52299803	0.89054584
Hddc2	0.31823153	0.32651107	0.32682176	-0.0003107	0.50176687	0.89054584
Vsig8	0.00393109	0.00389428	0.00420695	-0.0003127	0.63542982	0.89054584
Apod	0.011472	0.01196315	0.01227693	-0.0003138	0.5473922	0.89054584
Ptpn7	0.01200642	0.01253333	0.01284884	-0.0003155	0.54554115	0.89054584
Klhdc1	0.10263472	0.10936518	0.10968162	-0.0003164	0.50536205	0.89054584
C1qtnf1	0.0154102	0.016169	0.01649132	-0.0003223	0.53627682	0.89054584
Gm26721	0.01236038	0.01290336	0.01322763	-0.0003243	0.54546451	0.89054584
Ryr3	0.01472353	0.01543044	0.01575565	-0.0003261	0.53840216	0.89054584
Plekhg6	0.02748915	0.0290903	0.02941638	-0.0003261	0.52059374	0.89054584
Srrm4os	0.00818757	0.00842594	0.00876209	-0.0003362	0.57092838	0.89054584
Eya3	0.14681201	0.15542406	0.15576473	-0.0003407	0.50406488	0.89054584
Lrp2bp	0.01545407	0.01619523	0.01653827	-0.000343	0.53849177	0.89054584
Mlkl	0.03201549	0.03391041	0.03425923	-0.0003488	0.51891702	0.89054584
Diexf	0.09256847	0.09862789	0.09897998	-0.0003521	0.50661136	0.89054584
Ksr1	0.01804977	0.01896297	0.01931593	-0.000353	0.53392266	0.89054584
Slc10a6	0.01663382	0.01744758	0.01780072	-0.0003531	0.53682119	0.89054584
Pabpc4l	0.06896287	0.07341265	0.07376901	-0.0003564	0.50897787	0.89054584
Zfp941	0.02437239	0.02572457	0.02608148	-0.0003569	0.52541784	0.89054584
Tdo2	0.04147321	0.04401254	0.04437691	-0.0003644	0.51525722	0.89054584
Tpbgl	0.01460757	0.01526581	0.01563241	-0.0003666	0.54350146	0.89054584
Gm4737	0.00813632	0.0083353	0.00870725	-0.0003719	0.57887491	0.89054584
Mapk3	0.89500257	0.77676388	0.77713969	-0.0003758	0.5008988	0.89054584

Tmlhe	0.01947364	0.02046366	0.02083959	-0.0003759	0.5334889	0.89054584
Gm7628	0.0118444	0.01229454	0.01267546	-0.0003809	0.55567303	0.89054584
Zfp874b	0.03127912	0.03308892	0.0334714	-0.0003825	0.52122882	0.89054584
Serpina1a	0.03378309	0.035765	0.03615033	-0.0003853	0.51980321	0.89054584
Islr2	0.0038493	0.00373391	0.00411942	-0.0003855	0.66858288	0.89054584
Sugp2	0.14059762	0.14893852	0.14932705	-0.0003885	0.5048359	0.89054584
Slc9a9	0.03016136	0.0318853	0.0322755	-0.0003902	0.52245868	0.89054584
Actn4	0.99421901	0.83112688	0.83151798	-0.0003911	0.5008742	0.89054584
9930012K11f	0.02795808	0.02952495	0.02991812	-0.0003932	0.5244097	0.89054584
Zfp160	0.1511617	0.15986669	0.16026163	-0.0003949	0.50458032	0.89054584
Mettl4	0.036722	0.03889825	0.03929442	-0.0003962	0.51873186	0.89054584
1700001O22	0.02534045	0.02672086	0.02711731	-0.0003965	0.52715268	0.89054584
Pld5	0.00383558	0.00370735	0.00410474	-0.0003974	0.67402228	0.89054584
Cdh8	0.01058417	0.01092183	0.01132682	-0.000405	0.56615032	0.89054584
5031425F14f	0.00812898	0.00829399	0.0086994	-0.0004054	0.58594102	0.89054584
Etfdh	0.3252487	0.33311848	0.33352935	-0.0004109	0.50228959	0.89054584
Gabra4	0.01167107	0.0120778	0.01248997	-0.0004122	0.56109363	0.89054584
Ctf2	0.00793279	0.00807615	0.00848944	-0.0004133	0.58971435	0.89054584
Gabbr2	0.01225364	0.01269765	0.0131134	-0.0004157	0.55871322	0.89054584
Lgals2	0.03986055	0.04222359	0.04265187	-0.0004283	0.51865636	0.89054584
Vac14	0.07344352	0.07812753	0.07855676	-0.0004292	0.51015448	0.89054584
Aagab	0.27158905	0.28118256	0.28161297	-0.0004304	0.5028407	0.89054584
Kcnn1	0.0196855	0.02063449	0.0210663	-0.0004318	0.53804039	0.89054584
Oplah	0.02700059	0.02846163	0.02889364	-0.000432	0.52776754	0.89054584
Aqp7	0.01018691	0.01046627	0.0109017	-0.0004354	0.57381074	0.89054584
Mxra7	0.26795489	0.27760835	0.27804604	-0.0004377	0.50292574	0.89054584
Rilp	0.00661049	0.00663583	0.00707437	-0.0004385	0.61363566	0.89054584
Mme	0.02823598	0.0297756	0.03021545	-0.0004399	0.52703604	0.89054584
Gm3550	0.07747401	0.08241389	0.0828626	-0.0004487	0.51006386	0.89054584
Trpv2	0.01567111	0.01631091	0.01677053	-0.0004596	0.5508008	0.89054584

Elovl2	0.06174814	0.06559641	0.06605781	-0.0004614	0.51298004	0.89054584
Mid2	0.06628791	0.07044407	0.07091026	-0.0004662	0.51221734	0.89054584
Rel	0.04110193	0.04351339	0.04397977	-0.0004664	0.51970155	0.89054584
AA474331	0.03856437	0.04079835	0.04126532	-0.000467	0.52102333	0.89054584
Utp14b	0.08322266	0.08853162	0.08900245	-0.0004708	0.50983141	0.89054584
Cdr2	0.05986118	0.06355957	0.06404063	-0.0004811	0.51395878	0.89054584
Git2	0.50779823	0.49803556	0.49851773	-0.0004822	0.50179772	0.89054584
Pou6f1	0.05707281	0.06057288	0.06105957	-0.0004867	0.51481128	0.89054584
Elovl7	0.09749625	0.10375101	0.10423854	-0.0004875	0.50869238	0.89054584
Mamdc4	0.0075333	0.00756581	0.00806192	-0.0004961	0.61282929	0.89054584
Gm9917	0.01195869	0.0123013	0.01279776	-0.0004965	0.57171191	0.89054584
Plce1	0.03893008	0.04115966	0.04165653	-0.0004969	0.52215823	0.89054584
Ftx	0.08035462	0.0854419	0.08593948	-0.0004976	0.51076018	0.89054584
Zfp526	0.02618722	0.02752314	0.02802335	-0.0005002	0.5331383	0.89054584
Alg9	0.13280702	0.14073019	0.14123527	-0.0005051	0.50664656	0.89054584
Gpd1	0.11194724	0.11894609	0.11945647	-0.0005104	0.50794047	0.89054584
Dclre1b	0.07538516	0.08011864	0.08063116	-0.0005125	0.5118125	0.89054584
Spag5	0.03318633	0.03499665	0.03551188	-0.0005152	0.52694587	0.89054584
2810414N06	0.01220206	0.01254094	0.01305821	-0.0005173	0.57321025	0.89054584
Ccdc57	0.04150867	0.04389316	0.04441485	-0.0005217	0.52182055	0.89054584
Tnnc1	0.02309552	0.02419274	0.0247152	-0.0005225	0.53922752	0.89054584
Cdhr4	0.00624717	0.00616022	0.00668555	-0.0005253	0.64284986	0.89054584
1110006O24	0.07207517	0.07656505	0.07709472	-0.0005297	0.51276749	0.89054584
Dhx35	0.05500858	0.05832103	0.0588525	-0.0005315	0.51677955	0.89054584
Hyal3	0.02682965	0.02817872	0.02871074	-0.000532	0.53439832	0.89054584
Fam120c	0.01672012	0.01736063	0.01789308	-0.0005324	0.55513126	0.89054584
BC030499	0.01076256	0.01098488	0.01151774	-0.0005329	0.58532702	0.89054584
Gtse1	0.02347827	0.02458506	0.02512475	-0.0005397	0.53985817	0.89054584
Ascl2	0.01115537	0.01139163	0.01193809	-0.0005465	0.58443784	0.89054584
Zdhhc15	0.05636901	0.05975668	0.06030708	-0.0005504	0.51695816	0.89054584

Baiap2l2	0.00786526	0.00786527	0.00841717	-0.0005519	0.61999902	0.89054584
Ap1g2	0.05920289	0.06278494	0.06333687	-0.0005519	0.51619214	0.89054584
Usp16	0.55576651	0.53802435	0.53857674	-0.0005524	0.50190632	0.89054584
Erich6	0.00364178	0.00334217	0.00389734	-0.0005552	0.74654712	0.89054584
Nlrx1	0.04920715	0.05208698	0.0526488	-0.0005618	0.51982565	0.89054584
Nrip2	0.04074943	0.04303507	0.0436027	-0.0005676	0.5241816	0.89054584
Pik3ap1	0.00957912	0.00968305	0.01025127	-0.0005682	0.60188936	0.89054584
4933427D14	0.08824513	0.09379665	0.09436511	-0.0005685	0.511195	0.89054584
Cacna2d4	0.01633907	0.01691669	0.01748531	-0.0005686	0.56021205	0.89054584
Npw	0.00362102	0.00330417	0.00387512	-0.000571	0.75378265	0.89054584
Vtcn1	0.01747675	0.01812728	0.01870275	-0.0005755	0.55699402	0.89054584
Arhgef6	0.01864183	0.01937276	0.01994949	-0.0005767	0.55357061	0.89054584
Nqo1	0.12262924	0.13005067	0.13062927	-0.0005786	0.50823197	0.89054584
Gm12689	0.01176603	0.01200408	0.01259159	-0.0005875	0.58604365	0.89054584
Gm13205	0.01655489	0.01712855	0.01771627	-0.0005877	0.56141417	0.89054584
A730049H05	0.00793487	0.00790259	0.00849166	-0.0005891	0.62672484	0.89054584
Hsd17b11	0.19262452	0.20215717	0.20274815	-0.000591	0.50541754	0.89054584
Slc2a6	0.0077675	0.00771573	0.00831255	-0.0005968	0.63099989	0.89054584
Zfp85os	0.01497317	0.01542364	0.01602364	-0.0006	0.56924574	0.89054584
Gm11508	0.01542048	0.01590092	0.01650232	-0.0006014	0.56741135	0.89054584
Lrrn4cl	0.03779566	0.03984156	0.04044299	-0.0006014	0.52761809	0.89054584
Corin	0.01012612	0.01023325	0.01083665	-0.0006034	0.6023422	0.89054584
Elk4	0.18813475	0.19757705	0.19818168	-0.0006046	0.50567038	0.89054584
Ces2e	0.01191534	0.01214501	0.01275137	-0.0006064	0.58766539	0.89054584
Pi4kb	0.10415982	0.11067779	0.1112846	-0.0006068	0.51013371	0.89054584
Hoxd8	0.01606366	0.01658329	0.01719059	-0.0006073	0.56536684	0.89054584
1700105P06I	0.01653355	0.01706911	0.01769343	-0.0006243	0.56528897	0.89054584
Tnfaip2	0.01194114	0.01215105	0.01277898	-0.0006279	0.59053846	0.89054584
P2ry12	0.00352631	0.00313358	0.00377376	-0.0006402	0.78533652	0.89054584
Parp14	0.01598016	0.01645869	0.01710124	-0.0006426	0.569481	0.89054584

Gm15873	0.00592573	0.00569849	0.00634156	-0.0006431	0.68169276	0.89054584
Thumpd1	0.55189774	0.53475303	0.53539993	-0.0006469	0.50224574	0.89054584
Fancd2	0.02882403	0.03019714	0.03084464	-0.0006475	0.53895524	0.89054584
Gm43579	0.00777763	0.00767059	0.00832339	-0.0006528	0.64259425	0.89054584
Mterf1b	0.00784012	0.00773535	0.00839026	-0.0006549	0.64194357	0.89054584
Timm8a1	0.04603271	0.0485986	0.04925376	-0.0006552	0.52470741	0.89054584
Impdh1	0.35062119	0.35691226	0.35756991	-0.0006576	0.50341839	0.89054584
5730507C01I	0.0117086	0.0118682	0.01253013	-0.0006619	0.59720455	0.89054584
Pdzrn4	0.05936527	0.06284659	0.06351047	-0.0006639	0.51942097	0.89054584
Slc26a9	0.00348436	0.00305948	0.00372888	-0.0006694	0.79852389	0.89054584
Rtn2	0.16143374	0.17018157	0.17085241	-0.0006708	0.5072975	0.89054584
Cdh16	0.01161838	0.01175736	0.01243359	-0.0006762	0.60001503	0.89054584
Hectd1	0.78085479	0.70530296	0.70598657	-0.0006836	0.50179972	0.89054584
Tbl2	0.17306137	0.18210201	0.18278941	-0.0006874	0.5069893	0.89054584
Gm17056	0.01057166	0.0106245	0.01131344	-0.0006889	0.61168266	0.89054584
Ugt8a	0.04485433	0.04730378	0.04799342	-0.0006896	0.52668775	0.89054584
Usp39	0.27038882	0.27974102	0.28043565	-0.0006946	0.50460374	0.89054584
Colgalt2	0.00725161	0.00705968	0.00776047	-0.0007008	0.66301765	0.89054584
Pla2g6	0.3968286	0.39976775	0.40046931	-0.0007016	0.50325601	0.89054584
Sprn	0.00343527	0.00297388	0.00367634	-0.0007025	0.81332531	0.89054584
Gp9	0.01144096	0.01153291	0.01224371	-0.0007108	0.60660237	0.89054584
Cfap54	0.02475713	0.02577435	0.02649316	-0.0007188	0.55029469	0.89054584
Fcgbp	0.00340607	0.00292353	0.00364509	-0.0007216	0.82180203	0.89054584
Phlda2	0.00340607	0.00292353	0.00364509	-0.0007216	0.82180203	0.89054584
Clcn7	0.04409843	0.04646207	0.04718493	-0.0007229	0.52844962	0.89054584
Gm11131	0.00719609	0.00697005	0.00770105	-0.000731	0.67084218	0.89054584
Pde4c	0.00338682	0.00289058	0.00362449	-0.0007339	0.82725475	0.8919119
Igsf1	0.05058876	0.05339046	0.0541263	-0.0007358	0.52525135	0.89054584
Slc12a8	0.00709468	0.00685599	0.00759253	-0.0007365	0.67435006	0.89054584
6330408A02I	0.10973758	0.11640291	0.11713998	-0.0007371	0.5116933	0.89054584

Abca8b	0.00763887	0.00743642	0.0081749	-0.0007385	0.66307201	0.89054584
Ccdc14	0.03869431	0.04066404	0.04140432	-0.0007403	0.53319309	0.89054584
Dgkb	0.01414193	0.01439253	0.01513412	-0.0007416	0.59029084	0.89054584
Gpr21	0.00766162	0.0074575	0.00819925	-0.0007417	0.66329439	0.89054584
Borcs5	0.20475145	0.21429611	0.21503891	-0.0007428	0.50642002	0.89054584
Neur13	0.01176854	0.01185122	0.01259428	-0.0007431	0.60829356	0.89054584
Vil1	0.06941418	0.07350369	0.07425129	-0.0007476	0.5187071	0.89054584
Gdf6	0.01205363	0.01215145	0.01289936	-0.0007479	0.60646804	0.89054584
Hectd2	0.05668784	0.05989872	0.06064797	-0.0007492	0.5229491	0.89054584
Sh3rf3	0.01090419	0.01091431	0.0116693	-0.000755	0.61845618	0.89054584
Hist1h2ad	0.00707829	0.00681829	0.00757498	-0.0007567	0.67917594	0.89054584
Mylip	0.08631094	0.09154333	0.09230009	-0.0007568	0.51523525	0.89054584
Csmd1	0.0033462	0.00282166	0.00358102	-0.0007594	0.83840803	0.89497393
Tshz1	0.73245616	0.67220312	0.67297015	-0.000767	0.50211844	0.89054584
Gm10101	0.00641503	0.00609446	0.00686519	-0.0007707	0.6995275	0.89054584
Pdk2	0.18974928	0.19905105	0.19982478	-0.0007737	0.50719638	0.89054584
Gm26541	0.01588979	0.01622602	0.01700454	-0.0007785	0.58445321	0.89054584
Nrg4	0.00767672	0.0074338	0.0082154	-0.0007816	0.67120573	0.89054584
Pkn3	0.01567759	0.01599481	0.01677746	-0.0007826	0.58602574	0.89054584
Pde7b	0.02058383	0.02124091	0.02202757	-0.0007867	0.56607199	0.89054584
RP23-477O1	0.01157956	0.01160456	0.01239204	-0.0007875	0.61640921	0.89054584
Cytip	0.13468867	0.14240268	0.14319181	-0.0007891	0.51024194	0.89054584
Als2cr12	0.00765744	0.00739868	0.00819477	-0.0007961	0.67458048	0.89054584
Nfatc2ip	0.06406676	0.06773825	0.06853624	-0.000798	0.52163028	0.89054584
Tbc1d30	0.05688011	0.06005345	0.06085354	-0.0008001	0.52442202	0.89054584
Foxp2	0.06976286	0.07382063	0.0746239	-0.0008033	0.51999858	0.89054584
Rgag4	0.16689644	0.17566294	0.17646735	-0.0008044	0.50847177	0.89054584
Slc26a1	0.05250353	0.05536934	0.05617388	-0.0008045	0.5266005	0.89054584
4930427A07	0.04120848	0.04328464	0.04409373	-0.0008091	0.53406374	0.89054584
Dixdc1	0.1697716	0.17860071	0.17941773	-0.000817	0.50846316	0.89054584

Tmem154	0.01510664	0.01534638	0.01616648	-0.0008201	0.59341597	0.89054584
AW011738	0.0187832	0.01927971	0.02010077	-0.0008211	0.57546451	0.89054584
E130114P18I	0.00765309	0.00736767	0.00819012	-0.0008224	0.68005306	0.89054584
Tyro3	0.01116073	0.01111191	0.01194383	-0.0008247	0.62616172	0.89054584
Magee2	0.0156733	0.01594506	0.01677286	-0.0008278	0.59092897	0.89054584
Bst1	0.00840097	0.0081622	0.00899046	-0.0008283	0.66611618	0.89054584
Ptcra	0.03693517	0.03869395	0.03952246	-0.0008285	0.5389012	0.89054584
Tcte2	0.02552381	0.02648132	0.02731351	-0.0008322	0.55643933	0.89054584
Gm4353	0.01144818	0.01141895	0.01225145	-0.0008325	0.62421845	0.89054584
P2ry6	0.00760301	0.00730255	0.00813652	-0.000834	0.68350631	0.89054584
Ppp1r12b	0.1373671	0.14513763	0.1459745	-0.0008369	0.51065427	0.89054584
Acsbg1	0.00321228	0.00260032	0.0034377	-0.0008374	0.87178264	0.90667896
1700066B19I	0.00321228	0.00260032	0.0034377	-0.0008374	0.87178264	0.90667896
Fam107a	0.0032077	0.00259291	0.0034328	-0.0008399	0.872832	0.90729956
Dpf1	0.02143681	0.02209908	0.02294031	-0.0008412	0.56782674	0.89054584
Shisa4	0.22778231	0.23736513	0.23820668	-0.0008415	0.50656603	0.89054584
Nuak1	0.03074058	0.03205131	0.03289521	-0.0008439	0.54756885	0.89054584
Klf8	0.01104604	0.01097662	0.01182109	-0.0008445	0.63036613	0.89054584
Pfkfb3	0.02905017	0.0302396	0.0310866	-0.000847	0.55050578	0.89054584
Stox1	0.09965935	0.10569638	0.1065463	-0.0008499	0.514823	0.89054584
Pirb	0.00757931	0.00726117	0.00811116	-0.00085	0.68730438	0.89054584
9930111J21F	0.00757931	0.00726117	0.00811116	-0.00085	0.68730438	0.89054584
4930548H24I	0.01193845	0.01192515	0.0127761	-0.0008509	0.62183621	0.89054584
Zfp296	0.00753357	0.00721032	0.00806221	-0.0008519	0.68874103	0.89054584
C130080G10	0.01197912	0.01196327	0.01281963	-0.0008564	0.62218227	0.89054584
Itpk1	0.06640454	0.07017441	0.0710349	-0.0008605	0.52250303	0.89054584
Syng3	0.00758219	0.00725323	0.00811424	-0.000861	0.68947655	0.89054584
6720427I07R	0.04749649	0.04995828	0.0508193	-0.000861	0.53145799	0.89054584
Trim36	0.01129168	0.01122186	0.01208397	-0.0008621	0.63019956	0.89054584
Vps36	0.55774418	0.5393344	0.5401969	-0.0008625	0.50296757	0.89054584

Sh3kbp1	0.19471371	0.20399927	0.20487009	-0.0008708	0.50789989	0.89054584
Ccdc71l	0.03646218	0.03814493	0.03901647	-0.0008715	0.54144306	0.89054584
A830080D01	0.17065826	0.17945468	0.1803269	-0.0008722	0.50898939	0.89054584
Etohi1	0.03467091	0.03622752	0.03710015	-0.0008726	0.54362996	0.89054584
Ankrd31	0.00760313	0.00726323	0.00813665	-0.0008734	0.69150105	0.89054584
Il34	0.02040807	0.02096158	0.02183949	-0.0008779	0.57428057	0.89054584
Cdyl	0.13005621	0.13749282	0.13837252	-0.0008797	0.51181469	0.89054584
Rad50	0.26973011	0.27890789	0.27978921	-0.0008813	0.50585445	0.89054584
Gm26760	0.01057804	0.01043454	0.01132026	-0.0008857	0.64226764	0.89054584
Hunk	0.03553701	0.03713861	0.03802672	-0.0008881	0.54332271	0.89054584
Cwc22	0.25377193	0.26317453	0.26406565	-0.0008911	0.50627194	0.89054584
Lrrc34	0.00734202	0.00696566	0.00785722	-0.0008916	0.70147603	0.89054584
Cdkn2b	0.06258777	0.06605721	0.06695534	-0.0008981	0.5249155	0.89054584
Gm2788	0.01351729	0.01356654	0.01446568	-0.0008991	0.61393316	0.89054584
Exosc9	0.30056023	0.3089193	0.30982003	-0.0009007	0.50540342	0.89054584
1700003E16l	0.01427581	0.01437346	0.01527739	-0.0009039	0.60859548	0.89054584
2610318N02	0.04279359	0.04487817	0.04578926	-0.0009111	0.53692943	0.89054584
Gm17638	0.01034308	0.01015544	0.01106883	-0.0009134	0.64967791	0.89054584
Clec1b	0.0117304	0.01163894	0.01255346	-0.0009145	0.6328467	0.89054584
Atp1a3	0.00305814	0.00235676	0.00327274	-0.000916	0.90387615	0.92597487
Slc25a32	0.08150395	0.08624958	0.08716699	-0.0009174	0.51955394	0.89054584
Pabpc5	0.00698417	0.00655456	0.00747426	-0.0009197	0.71677212	0.89054584
Piwil2	0.00303623	0.00232311	0.00324929	-0.0009262	0.90791023	0.92866393
Gm38037	0.00591512	0.00540195	0.0063302	-0.0009283	0.7527536	0.89054584
Hsbp1l1	0.07021814	0.07418201	0.07511042	-0.0009284	0.52296123	0.89054584
Chek1	0.03417358	0.03563961	0.03656809	-0.0009285	0.54708212	0.89054584
Tmem39b	0.22653767	0.23603185	0.23696071	-0.0009289	0.50728527	0.89054584
9530059O14	0.00745585	0.00705012	0.00797903	-0.0009289	0.70622455	0.89054584
Gm15834	0.00754354	0.0071431	0.00807288	-0.0009298	0.70422187	0.89054584
6720483E21l	0.01117884	0.01102991	0.01196321	-0.0009333	0.6418707	0.89054584

Zar1l	0.02521473	0.02604069	0.02698279	-0.0009421	0.56460937	0.89054584
Nyap2	0.00300029	0.00226843	0.00321083	-0.0009424	0.91425431	0.93324361
Mak	0.01120941	0.01105199	0.01199592	-0.0009439	0.64304145	0.89054584
Lzts3	0.01545743	0.01559785	0.01654186	-0.000944	0.60483333	0.89054584
Aloxe3	0.00566586	0.00511891	0.00606345	-0.0009445	0.76600609	0.89054584
Cabp2	0.00299061	0.00225382	0.00320047	-0.0009467	0.91590559	0.93425758
Fam65c	0.01984908	0.02029212	0.02124134	-0.0009492	0.58246268	0.89054584
Msh5	0.04375891	0.04587209	0.04682178	-0.0009497	0.53764301	0.89054584
Mmp15	0.10322496	0.109347	0.1103021	-0.0009551	0.51608966	0.89054584
Gm44257	0.01034851	0.01011862	0.01107464	-0.000956	0.65622499	0.89054584
Kif17	0.04321747	0.04528551	0.04624265	-0.0009571	0.53841096	0.89054584
P2rx6	0.00667334	0.0061795	0.00714162	-0.0009621	0.73488383	0.89054584
Dock9	0.12553151	0.13269218	0.1336575	-0.0009653	0.51342115	0.89054584
Trmt1	0.32509245	0.33241365	0.33338028	-0.0009666	0.50538895	0.89054584
Pot1b	0.0214208	0.02195324	0.02292318	-0.0009699	0.57813782	0.89054584
Dnaaf3	0.01557259	0.01569197	0.0166651	-0.0009731	0.60720788	0.89054584
Gm13610	0.01140623	0.01123242	0.01220655	-0.0009741	0.64498079	0.89054584
Aatk	0.06455262	0.06807842	0.06905555	-0.0009771	0.52628059	0.89054584
Gpr45	0.064976	0.06853079	0.06950807	-0.0009773	0.52611392	0.89054584
Fam171b	0.08574407	0.09071714	0.09169483	-0.0009777	0.51980958	0.89054584
Il3ra	0.25630909	0.26559512	0.26657323	-0.0009781	0.50681942	0.89054584
5033403F01l	0.00725328	0.0067825	0.00776225	-0.0009798	0.72175149	0.89054584
Gm14085	0.00725186	0.00677948	0.00776073	-0.0009812	0.72209132	0.89054584
Gramd4	0.01826546	0.0185626	0.01954674	-0.0009841	0.59272788	0.89054584
Slfn8	0.00747031	0.00701008	0.00799451	-0.0009844	0.71691276	0.89054584
Sgsm1	0.15046615	0.15855829	0.15954305	-0.0009848	0.51147062	0.89054584
RP23-53O7.2	0.02601899	0.02685731	0.02784335	-0.000986	0.56552407	0.89054584
Hs3st3b1	0.00747009	0.00700819	0.00799428	-0.0009861	0.71724512	0.89054584
Gm7102	0.01032137	0.01005414	0.01104559	-0.0009915	0.66209465	0.89054584
Msr3	0.01577081	0.01588084	0.01687721	-0.0009964	0.60836059	0.89054584

Hilpda	0.26308796	0.27226195	0.27325918	-0.0009972	0.50678264	0.89054584
Gm28151	0.00743581	0.00696034	0.00795759	-0.0009972	0.72034301	0.89054584
Cage1	0.03228604	0.03354856	0.03454869	-0.0010001	0.55364224	0.89054584
Csrnp3	0.00139637	0.00049136	0.00149436	-0.001003	0.99911709	0.99918601
Kcnq2	0.00139637	0.00049136	0.00149436	-0.001003	0.99911709	0.99918601
Cyp2e1	0.03562434	0.03710983	0.03812015	-0.0010103	0.54913562	0.89054584
Chd5	0.00282726	0.00201433	0.00302566	-0.0010113	0.94029453	0.95171671
1700001C02I	0.03045805	0.03158076	0.03259292	-0.0010122	0.55751877	0.89054584
Adamts10	0.13300699	0.14042909	0.14144327	-0.0010142	0.51332438	0.89054584
Gm26981	0.02170701	0.02221392	0.02322944	-0.0010155	0.5806957	0.89054584
2210406O10	0.00280627	0.00198454	0.0030032	-0.0010187	0.94297757	0.95356691
Fam122b	0.04392951	0.04598533	0.04700425	-0.0010189	0.54022206	0.89054584
Gm11808	1.45926975	1.0230095	1.02402845	-0.001019	0.50184943	0.89054584
Gm15972	0.01798038	0.01822111	0.01924168	-0.0010206	0.59758725	0.89054584
Cryba4	0.00280056	0.00197647	0.00299709	-0.0010206	0.94369174	0.95402293
Slc2a13	0.0027896	0.00196104	0.00298536	-0.0010243	0.94504062	0.9550536
Ebag9	0.27313158	0.28210045	0.28312503	-0.0010246	0.50672577	0.89054584
Iqub	0.00708485	0.00655605	0.00758201	-0.001026	0.73579068	0.89054584
Gm7879	0.06782944	0.07153071	0.07255775	-0.001027	0.52628975	0.89054584
Plch2	0.02388909	0.02453715	0.02556434	-0.0010272	0.57424713	0.89054584
Zxdb	0.06442656	0.06788466	0.06892082	-0.0010362	0.52792019	0.89054584
Nkx6-3	0.01345751	0.01336535	0.0144017	-0.0010363	0.63128418	0.89054584
Nrn1	0.01467683	0.01466937	0.01570652	-0.0010372	0.6208241	0.89054584
Il17rd	0.0300307	0.03109604	0.0321357	-0.0010397	0.55990445	0.89054584
Csad	0.33400126	0.34081987	0.34185973	-0.0010399	0.50565341	0.89054584
Elmsan1	0.05248101	0.05510675	0.0561498	-0.001043	0.53448344	0.89054584
Amhr2	0.00735255	0.00681728	0.00786849	-0.0010512	0.73316758	0.89054584
Gm5580	0.0015441	0.00060083	0.00165245	-0.0010516	0.99848642	0.99876198
Mapk12	0.01964575	0.01997086	0.02102376	-0.0010529	0.59224625	0.89054584
G6b	0.00269132	0.00182529	0.00288019	-0.0010549	0.95603129	0.96387633

Gm15445	0.01406449	0.01399512	0.01505125	-0.0010561	0.62813288	0.89054584
Mfsd7a	0.00267208	0.00179929	0.0028596	-0.0010603	0.95795978	0.96541783
1010001B22	0.01526129	0.01527086	0.01633197	-0.0010611	0.61893956	0.89054584
Lrrc4	0.00266842	0.00179436	0.00285567	-0.0010613	0.9583193	0.96571302
Btbd16	0.00684629	0.00626489	0.00732671	-0.0010618	0.75022464	0.89054584
Pqlc3	0.02339176	0.02396923	0.02503219	-0.001063	0.57841308	0.89054584
Gfod1	0.04593582	0.0480849	0.04915014	-0.0010652	0.54021441	0.89054584
C920006O11	0.03599755	0.03745352	0.03851941	-0.0010659	0.55128937	0.89054584
Zfp947	0.01900417	0.01926947	0.02033723	-0.0010678	0.59661933	0.89054584
Cpa6	0.01169714	0.0114491	0.01251787	-0.0010688	0.65460288	0.89054584
Arpp21	0.00692305	0.00633323	0.00740885	-0.0010756	0.75060239	0.89054584
Tmem28	0.0025671	0.00166068	0.00274725	-0.0010866	0.96731054	0.97301521
Mrps36	1.33668257	0.98291801	0.98400651	-0.0010885	0.50205602	0.89054584
Gm807	0.00729606	0.00671907	0.00780803	-0.001089	0.74207891	0.89054584
Pde8b	0.00255362	0.00164329	0.00273282	-0.0010895	0.9683764	0.9736145
Akap5	0.01417344	0.0140777	0.01516783	-0.0010901	0.63112888	0.89054584
Atp6v0c	0.00170311	0.00073095	0.00182263	-0.0010917	0.99736877	0.99778171
Snph	0.01430043	0.01421179	0.01530373	-0.0010919	0.63021454	0.89054584
Bdh2	0.03131438	0.03241609	0.03350912	-0.001093	0.56039489	0.89054584
Xpnpep2	0.01543461	0.01542397	0.01651744	-0.0010935	0.62112157	0.89054584
Dcaf12l2	0.01931859	0.01957929	0.02067368	-0.0010944	0.59740119	0.89054584
Edaradd	0.01968411	0.01996909	0.02106482	-0.0010957	0.59574313	0.89054584
Me3	0.02698279	0.02777565	0.02887459	-0.0010989	0.57037	0.89054584
Efhd1	0.01241172	0.0121826	0.01328256	-0.0011	0.6501848	0.89054584
Rab17	0.00726975	0.00667465	0.00777988	-0.0011052	0.74597024	0.89054584
A830019P07	0.01053829	0.0101721	0.01127773	-0.0011056	0.6760739	0.89054584
Padi4	0.0024666	0.0015332	0.0026397	-0.0011065	0.97458511	0.97870298
Zmym6	0.05915974	0.06218225	0.06329074	-0.0011085	0.5325166	0.89054584
Dok3	0.0142393	0.01412735	0.01523832	-0.001111	0.63294599	0.89054584
Zfp455	0.01095347	0.01060754	0.01172203	-0.0011145	0.67110095	0.89054584

Kif5a	0.00729115	0.00668723	0.00780278	-0.0011155	0.74731901	0.89054584
Gm9885	0.01026424	0.00986838	0.01098446	-0.0011161	0.68202645	0.89054584
Gm2415	0.04272363	0.04459727	0.04571442	-0.0011172	0.54532315	0.89054584
Hrk	0.0018519	0.00086424	0.00198186	-0.0011176	0.99569651	0.99659013
Cfap46	0.01059695	0.01022207	0.0113405	-0.0011184	0.6770538	0.89054584
Adam4	0.00185874	0.00087064	0.00198918	-0.0011185	0.99560065	0.99656299
Chst7	0.02300922	0.02350375	0.02462286	-0.0011191	0.58384824	0.89054584
Bend3	0.05264161	0.05519963	0.05632154	-0.0011219	0.53697087	0.89054584
Tbccd1	0.15425132	0.16232729	0.16345147	-0.0011242	0.5127811	0.89054584
Ostm1	0.13539102	0.1427969	0.14392177	-0.0011249	0.5145237	0.89054584
Slc35e2	0.09308147	0.09840124	0.0995275	-0.0011263	0.52102273	0.89054584
Lamp3	0.00231599	0.00135167	0.00247851	-0.0011268	0.98291885	0.98584279
Ccdc78	0.01111317	0.01076458	0.01189294	-0.0011284	0.67076411	0.89054584
Krt79	0.00227929	0.00130918	0.00243924	-0.0011301	0.98455206	0.98700289
Prox2	0.01563462	0.01560074	0.01673147	-0.0011307	0.62356411	0.89054584
Slc45a1	0.01164934	0.0113351	0.01246671	-0.0011316	0.66381334	0.89054584
Gm12474	0.00225627	0.00128287	0.0024146	-0.0011317	0.98550653	0.98775483
Pold1	0.11312313	0.11955666	0.12068847	-0.0011318	0.51742465	0.89054584
Gm10645	0.00200327	0.0010113	0.00214385	-0.0011326	0.99307669	0.99479209
Gm16432	0.01069788	0.01031587	0.01144851	-0.0011326	0.67757329	0.89054584
1810041L15F	0.17784612	0.18655127	0.18768526	-0.001134	0.51122846	0.89054584
Adgrg2	0.01455093	0.01443699	0.0155718	-0.0011348	0.63289315	0.89054584
Gabrg3	0.00212962	0.00114289	0.00227907	-0.0011362	0.98989981	0.99188385
Tssk4	0.00212962	0.00114289	0.00227907	-0.0011362	0.98989981	0.99188385
Gm5784	0.01546518	0.01541384	0.01655016	-0.0011363	0.6254695	0.89054584
F730016J06F	0.0093941	0.00891647	0.01005327	-0.0011368	0.70084157	0.89054584
Ube2ql1	0.0116201	0.01129847	0.01243542	-0.001137	0.66493135	0.89054584
Tfdp1	0.01159862	0.01127311	0.01241244	-0.0011393	0.66554357	0.89054584
Phf11d	0.01508622	0.01500367	0.01614462	-0.001141	0.62901755	0.89054584
Asb11	0.010938	0.01056276	0.01170548	-0.0011427	0.67538003	0.89054584

Taf4b	0.00653186	0.00584697	0.00699021	-0.0011432	0.77695968	0.89054584
Clcnka	0.0060197	0.00529252	0.00644212	-0.0011496	0.7971238	0.89054584
A830052D11	0.01570147	0.01565064	0.01680301	-0.0011524	0.62533208	0.89054584
Gm12204	0.00698415	0.00631458	0.00747424	-0.0011597	0.76511619	0.89054584
Slc35e3	0.01962598	0.01984197	0.02100261	-0.0011606	0.60158893	0.89054584
P2ry2	0.01152939	0.0111722	0.01233835	-0.0011662	0.67015326	0.89054584
Zfp712	0.02386919	0.0243758	0.02554305	-0.0011673	0.58429823	0.89054584
Megf10	0.00720884	0.00654575	0.00771469	-0.0011689	0.75988319	0.89054584
Gaa	0.81174886	0.72500935	0.72617892	-0.0011696	0.50299347	0.89054584
Magi3	0.10284443	0.10873085	0.10990209	-0.0011712	0.51979969	0.89054584
Agbl3	0.04299533	0.0448311	0.04600504	-0.0011739	0.54731694	0.89054584
Gm26945	0.01896376	0.01911401	0.02029398	-0.00118	0.60676204	0.89054584
4921504A21	0.02729756	0.02802725	0.02921139	-0.0011841	0.57489811	0.89054584
Prox1os	0.08508576	0.08980761	0.09099192	-0.0011843	0.52417659	0.89054584
B3gnt3	0.01124622	0.01084777	0.01203532	-0.0011876	0.67713714	0.89054584
Acrbp	0.0546724	0.05730321	0.05849304	-0.0011898	0.53775099	0.89054584
Gm44148	0.00542736	0.00461693	0.00580822	-0.0011913	0.83035461	0.89271879
Slc8a2	0.03068109	0.0316402	0.03283156	-0.0011914	0.56712511	0.89054584
Pkd2l1	0.00720441	0.00651432	0.00770996	-0.0011956	0.76500419	0.89054584
Tmem132e	0.01119784	0.01078775	0.01198355	-0.0011958	0.67899859	0.89054584
Gpr161	0.0224149	0.02279044	0.02398691	-0.0011965	0.59188181	0.89054584
Nicn1	0.29899966	0.30711353	0.30831112	-0.0011976	0.50721928	0.89054584
Pdgfd	0.10408956	0.11001132	0.11121077	-0.0011995	0.5200378	0.89054584
Gtf2ird2	0.07611143	0.08020671	0.08140703	-0.0012003	0.5273837	0.89054584
RP23-124B2	0.01011488	0.00962392	0.01082462	-0.0012007	0.69734603	0.89054584
Gm9797	0.00694672	0.00623161	0.00743418	-0.0012026	0.77446707	0.89054584
Pik3r6	0.01548195	0.0153651	0.0165681	-0.001203	0.63242525	0.89054584
D930048G16	0.00681661	0.00609153	0.00729494	-0.0012034	0.7789238	0.89054584
Gatsl3	0.0485879	0.05078264	0.05198653	-0.0012039	0.5429589	0.89054584
Tlr4	0.01009413	0.00959667	0.01080241	-0.0012057	0.69847558	0.89054584

Rgs22	0.00697523	0.00625875	0.00746469	-0.0012059	0.7741735	0.89054584
Gm12996	0.01156917	0.01117275	0.01238092	-0.0012082	0.67531446	0.89054584
Cilp2	0.01143718	0.01102743	0.01223967	-0.0012122	0.67775523	0.89054584
Wdr63	0.00717711	0.00646632	0.00768074	-0.0012144	0.76932741	0.89054584
Pcdhga9	0.00540226	0.00456576	0.00578135	-0.0012156	0.83635681	0.89462889
Gm16794	0.00860637	0.00799373	0.00921028	-0.0012165	0.73084747	0.89054584
Gm12500	0.01313229	0.01283609	0.01405367	-0.0012176	0.65676207	0.89054584
Cep112	0.1261416	0.13306986	0.13429366	-0.0012238	0.51693243	0.89054584
Fbxo47	0.01155199	0.0111378	0.01236254	-0.0012247	0.67779928	0.89054584
Pik3r5	0.00708752	0.00635974	0.00758487	-0.0012251	0.7741315	0.89054584
Cbln2	0.00618062	0.0053871	0.00661433	-0.0012272	0.80632215	0.89054584
Nlgn3	0.03324356	0.03434458	0.03557311	-0.0012285	0.56391277	0.89054584
Gm10600	0.00715742	0.0064311	0.00765966	-0.0012286	0.77254818	0.89054584
Tgfa	0.01585986	0.01574362	0.0169725	-0.0012289	0.63206514	0.89054584
Fgf16	0.01146695	0.01104177	0.01227153	-0.0012298	0.67970861	0.89054584
Endod1	0.09861032	0.1041971	0.10542715	-0.0012301	0.5216748	0.89054584
Usp13	0.03104777	0.03199056	0.03322387	-0.0012333	0.56865317	0.89054584
Exoc5	0.46003469	0.4559723	0.45720952	-0.0012372	0.50502941	0.89054584
Gm11940	0.02741692	0.02810151	0.0293391	-0.0012376	0.57790002	0.89054584
Sftpd	0.00696952	0.00621473	0.00745858	-0.0012438	0.78140867	0.89054584
Edil3	0.0108908	0.01041061	0.01165497	-0.0012444	0.69055219	0.89054584
Stxbp1	0.30234031	0.31028233	0.31153968	-0.0012574	0.50750092	0.89054584
Gm26569	0.01149936	0.01104762	0.01230622	-0.0012586	0.68313528	0.89054584
Insc	0.01422454	0.01396374	0.01522252	-0.0012588	0.64997704	0.89054584
Slc27a4	0.26751023	0.27634673	0.27760917	-0.0012624	0.50845163	0.89054584
Stx3	0.32046817	0.32769707	0.32896249	-0.0012654	0.50714932	0.89054584
Slc39a4	0.00964546	0.00905504	0.01032226	-0.0012672	0.71632591	0.89054584
Kdm4b	0.16001769	0.16812713	0.16939493	-0.0012678	0.51390787	0.89054584
A730071L15I	0.0113779	0.01090712	0.01217623	-0.0012691	0.68637238	0.89054584
Whsc1	0.43348608	0.4323857	0.43365805	-0.0012724	0.5054531	0.89054584

Zfand4	0.0486296	0.05075829	0.05203113	-0.0012728	0.54536993	0.89054584
Zfp951	0.02763998	0.02830449	0.02957776	-0.0012733	0.57947805	0.89054584
Gm11491	0.02298063	0.02331868	0.02459226	-0.0012736	0.59532928	0.89054584
Ltc4s	0.00709343	0.00631744	0.00759119	-0.0012737	0.78281479	0.89054584
Prom2	0.00640457	0.00557883	0.006854	-0.0012752	0.80696947	0.89054584
Trim30d	0.00709068	0.00631266	0.00758825	-0.0012756	0.78323639	0.89054584
Chek2	0.06423939	0.06744178	0.06872076	-0.001279	0.53454827	0.89054584
Fgd4	0.26609165	0.27493266	0.2762148	-0.0012821	0.50862682	0.89054584
Galnt4	0.0743842	0.07827383	0.07956178	-0.0012879	0.53005926	0.89054584
Gm11750	0.00707661	0.00628479	0.00757319	-0.0012884	0.78599691	0.89054584
Gpr34	0.00611292	0.00525085	0.00654188	-0.001291	0.82106591	0.89054584
Ikzf3	0.00820589	0.00749046	0.0087817	-0.0012912	0.75333922	0.89054584
Ceacam1	0.03268951	0.03368725	0.03498035	-0.0012931	0.56836944	0.89054584
Naif1	0.03911884	0.04056182	0.04185845	-0.0012966	0.55737523	0.89054584
Pgpep1l	0.01107991	0.01055746	0.01185734	-0.0012999	0.69523531	0.89054584
Ccdc103	0.08305276	0.08751905	0.08882102	-0.001302	0.52722339	0.89054584
Ndst3	0.00705425	0.00624715	0.00754926	-0.0013021	0.78918045	0.89054584
Atl1	0.04288621	0.04458593	0.04588832	-0.0013024	0.55259859	0.89054584
Irf7	0.0475651	0.0495901	0.05089268	-0.0013026	0.54745913	0.89054584
Slc6a20b	0.0114602	0.0109596	0.0122643	-0.0013047	0.68992193	0.89054584
Vps25	0.12755219	0.13445763	0.1357641	-0.0013065	0.51787985	0.89054584
Tcf3	0.95723185	0.81069067	0.81199793	-0.0013073	0.50299227	0.89054584
Pign	0.12115342	0.12778019	0.1290882	-0.001308	0.5188261	0.89054584
Gm6410	0.01936231	0.01940944	0.02072046	-0.001311	0.61591881	0.89054584
Gm15396	0.00668776	0.0058439	0.00715705	-0.0013132	0.80367105	0.89054584
Znhit6	0.42148979	0.4215662	0.42288118	-0.001315	0.50577943	0.89054584
Gp1bb	0.00991852	0.00929626	0.01061448	-0.0013182	0.71856915	0.89054584
RP23-32A8.8	0.01137026	0.010849	0.01216806	-0.0013191	0.69323736	0.89054584
4930471D02	0.01131615	0.01078996	0.01211015	-0.0013202	0.69423693	0.89054584
B230303O12	0.01549491	0.01526085	0.01658197	-0.0013211	0.64475194	0.89054584

Iglon5	0.0070278	0.00619963	0.00752095	-0.0013213	0.7934654	0.89054584
Tnk2	0.07144179	0.07508983	0.07641795	-0.0013281	0.53226755	0.89054584
Gemin8	0.13225306	0.13932952	0.140659	-0.0013295	0.51756198	0.89054584
Gm11716	0.00606983	0.00516223	0.00649576	-0.0013335	0.83057602	0.89271879
Lrrc20	0.05871599	0.06147963	0.06281634	-0.0013367	0.53948671	0.89054584
Crym	0.0273476	0.02792818	0.02926493	-0.0013367	0.58426183	0.89054584
Sergef	0.14338737	0.15087991	0.15221891	-0.001339	0.51634514	0.89054584
9430041J12F	0.00526525	0.00429208	0.00563473	-0.0013426	0.86652908	0.90430169
Pipox	0.01304518	0.0126154	0.01396045	-0.0013451	0.67323997	0.89054584
Ctnnd2	0.03802288	0.03934043	0.04068606	-0.0013456	0.56122975	0.89054584
Bckdhb	0.28067922	0.28915998	0.29050685	-0.0013469	0.50861657	0.89054584
Dcp1a	0.09538167	0.10063404	0.10198222	-0.0013482	0.52455544	0.89054584
Gm14091	0.03284558	0.03379639	0.03514732	-0.0013509	0.57105965	0.89054584
Gm17767	0.0113976	0.01084579	0.01219732	-0.0013515	0.69715504	0.89054584
Cask	0.20939552	0.2183769	0.21972948	-0.0013526	0.51143963	0.89054584
Gm43848	0.00695185	0.00608637	0.00743968	-0.0013533	0.80163622	0.89054584
Dbnnd2	0.00901524	0.00829411	0.00964783	-0.0013537	0.74335084	0.89054584
Cyb5b	0.51518389	0.50342532	0.50477982	-0.0013545	0.50498728	0.89054584
9030624G23	0.01056711	0.00995279	0.01130857	-0.0013558	0.71176921	0.89054584
Zfp935	0.02406503	0.02439506	0.0257526	-0.0013575	0.59700196	0.89054584
Gk5	0.06210324	0.06507871	0.0664374	-0.0013587	0.53795317	0.89054584
Camkk1	0.01794218	0.01784113	0.01920081	-0.0013597	0.62926865	0.89054584
Gjb1	0.04766634	0.04964063	0.05100096	-0.0013603	0.54944756	0.89054584
Ube2b	2.09362035	1.12170929	1.12306968	-0.0013604	0.5022514	0.89054584
Pramef8	0.12947931	0.1364099	0.13777178	-0.0013619	0.51836637	0.89054584
Dync2h1	0.49442869	0.48573251	0.48709459	-0.0013621	0.50519726	0.89054584
Fhl4	0.01132775	0.01076044	0.01212257	-0.0013621	0.6996836	0.89054584
Zfp418	0.00927177	0.00855593	0.00992236	-0.0013664	0.73943144	0.89054584
Gm20109	0.02815364	0.02875873	0.03012735	-0.0013686	0.58380877	0.89054584
Kcna2	0.00695132	0.00606816	0.0074391	-0.0013709	0.80471679	0.89054584

Klhl23	0.15374449	0.16155743	0.16292844	-0.001371	0.51563614	0.89054584
Plpp2	0.16649435	0.17468334	0.17605447	-0.0013711	0.51447215	0.89054584
Chd3	1.14945876	0.90684434	0.9082165	-0.0013722	0.50280808	0.89054584
4632415L05F	0.17555804	0.18396923	0.18534524	-0.001376	0.51379596	0.89054584
Ulbp1	0.00692487	0.00603084	0.00741081	-0.00138	0.80717674	0.89054584
Asphd2	0.03207196	0.03293951	0.03431964	-0.0013801	0.57430869	0.89054584
Cpb2	0.02214082	0.02230486	0.02369363	-0.0013888	0.60760296	0.89054584
9430060I03R	0.00678075	0.00586745	0.00725657	-0.0013891	0.81376616	0.89054584
Mfsd2b	0.00691259	0.00600292	0.00739766	-0.0013947	0.81013328	0.89054584
Neu2	0.00691832	0.00600816	0.00740379	-0.0013956	0.81008818	0.89054584
Cnr1	0.01573032	0.01543713	0.01683388	-0.0013968	0.65046106	0.89054584
Rnf182	0.02762793	0.02816713	0.02956488	-0.0013977	0.58716631	0.89054584
Gm5424	0.0231812	0.02340862	0.02480688	-0.0013983	0.60357286	0.89054584
4930539J05F	0.01307768	0.01259617	0.01399523	-0.0013991	0.6792994	0.89054584
4732463B04	0.00947319	0.00873714	0.01013791	-0.0014008	0.74012538	0.89054584
Gpr162	0.02336778	0.02360176	0.02500652	-0.0014048	0.60323146	0.89054584
Glyr1	0.92406364	0.79234594	0.79375085	-0.0014049	0.50328971	0.89054584
Ptpro	0.02036325	0.02038173	0.02179154	-0.0014098	0.61844982	0.89054584
Clcn5	0.30088227	0.30872089	0.31013125	-0.0014104	0.50845179	0.89054584
Cacng4	0.0433152	0.04493472	0.04634718	-0.0014125	0.55645373	0.89054584
Muc20	0.01130224	0.01067359	0.01209527	-0.0014217	0.70802092	0.89054584
4930524O07	0.00870989	0.00789378	0.00932106	-0.0014273	0.76219976	0.89054584
Pkd1l1	0.00653811	0.00556939	0.00699691	-0.0014275	0.82907642	0.89265604
Tvp23bos	0.00687141	0.00592595	0.00735359	-0.0014276	0.81713295	0.89054584
Ppm1e	0.01125234	0.01061272	0.01204187	-0.0014291	0.70984396	0.89054584
Timd2	0.00647717	0.00550252	0.00693169	-0.0014292	0.83161708	0.89335984
Fmnl1	0.05548787	0.0579352	0.05936497	-0.0014298	0.54467041	0.89054584
Ugt2b35	0.01516741	0.01479917	0.0162315	-0.0014323	0.65950884	0.89054584
Slc36a1	0.15091058	0.15856541	0.16000222	-0.0014368	0.51668571	0.89054584
Akr1b7	0.00572012	0.00467857	0.00612152	-0.0014429	0.86393991	0.90312213

Hist2h4	0.02430872	0.02457004	0.02601336	-0.0014433	0.60198767	0.89054584
Gm26982	0.00970651	0.00893781	0.0103876	-0.0014498	0.7422325	0.89054584
Cfap73	0.01044778	0.00972895	0.01118087	-0.0014519	0.72740982	0.89054584
Shroom4	0.02974809	0.03038064	0.03183333	-0.0014527	0.58418341	0.89054584
Myo7a	0.01404675	0.01357749	0.01503226	-0.0014548	0.67396077	0.89054584
Tnfrsf22	0.00668802	0.00569686	0.00715734	-0.0014605	0.82911479	0.89265604
Sirt5	0.12134169	0.12782232	0.12928483	-0.0014625	0.52101594	0.89054584
Zfp930	0.0233141	0.02348258	0.02494909	-0.0014665	0.60790125	0.89054584
4632428C04I	0.00592683	0.00487487	0.00634273	-0.0014679	0.85952464	0.90131997
A730017C20I	0.00652907	0.00551608	0.00698723	-0.0014711	0.83668666	0.89462964
Tsc22d2	0.27478441	0.28326551	0.28474392	-0.0014784	0.50964934	0.89054584
Gm22	0.01939974	0.01928192	0.02076051	-0.0014786	0.62998579	0.89054584
Tbx6	0.01460877	0.01415355	0.0156337	-0.0014802	0.67042761	0.89054584
Smg8	0.0492612	0.05122056	0.0527066	-0.001486	0.55225365	0.89054584
Cyb561d2	0.29439299	0.30235689	0.30384981	-0.0014929	0.50913143	0.89054584
Gm16751	0.00602974	0.00495937	0.00645286	-0.0014935	0.85954947	0.90131997
Hr	0.00554086	0.00442935	0.00592968	-0.0015003	0.8807617	0.91173336
Gm26826	0.02860425	0.0291052	0.03060949	-0.0015043	0.59055079	0.89054584
9030617O03	0.01105328	0.0103229	0.01182885	-0.0015059	0.72345489	0.89054584
Espnl	0.00615976	0.00508604	0.006592	-0.001506	0.85641405	0.9009252
Gm17087	0.00553182	0.00441193	0.00592001	-0.0015081	0.88235287	0.91235841
Slc9a5	0.01103986	0.01030466	0.01181449	-0.0015098	0.72420744	0.89054584
Ankrd34b	0.00613152	0.00504973	0.00656178	-0.001512	0.85849265	0.90124516
B230317F23I	0.03130692	0.03198892	0.03350114	-0.0015122	0.58328346	0.89054584
BC049762	0.00673725	0.00569659	0.00721002	-0.0015134	0.83594789	0.89462889
Cd27	0.17939871	0.18775765	0.18927196	-0.0015143	0.51486706	0.89054584
Gm17619	0.02191664	0.02193813	0.02345375	-0.0015156	0.61831918	0.89054584
Zfp940	0.00939067	0.00852597	0.01004961	-0.0015236	0.76001406	0.89054584
D830044I16F	0.02362817	0.02375751	0.02528515	-0.0015276	0.61082737	0.89054584
Adamtsl2	0.0230746	0.02316426	0.02469282	-0.0015286	0.61348057	0.89054584

Zfp661	0.00644335	0.00536515	0.00689549	-0.0015303	0.84942652	0.89883846
Atp6v1b2	1.01590218	0.84117585	0.84270665	-0.0015308	0.50337623	0.89054584
1700003F12I	0.0104009	0.00959758	0.0111307	-0.0015331	0.73946999	0.89054584
Mapk11	0.01838664	0.01814279	0.01967641	-0.0015336	0.64174492	0.89054584
Shpk	0.00585699	0.00473416	0.00626799	-0.0015338	0.87287448	0.90729956
Scd3	0.03856347	0.03972896	0.04126436	-0.0015354	0.56881314	0.89054584
2200002D01	0.02868333	0.02915724	0.03069411	-0.0015369	0.59222611	0.89054584
Lrriq1	0.01090702	0.01013513	0.01167232	-0.0015372	0.7302474	0.89054584
Nhej1	0.04213665	0.04354824	0.04508657	-0.0015383	0.56314991	0.89054584
Adam28	0.01113705	0.01037565	0.01191849	-0.0015428	0.72677866	0.89054584
B930094E09	0.014784	0.01427558	0.01582121	-0.0015456	0.67549921	0.89054584
Cp	0.00667697	0.00559726	0.00714551	-0.0015483	0.84362654	0.89775379
Gm29361	0.00662264	0.00553669	0.00708736	-0.0015507	0.84598073	0.89825055
Gm15265	0.006138	0.00501507	0.00656872	-0.0015537	0.86475743	0.90358581
Hist1h3e	0.01013324	0.00928578	0.01084427	-0.0015585	0.74843139	0.89054584
Tcerg1	0.50796004	0.49709589	0.4986553	-0.0015594	0.50581223	0.89054584
Myd88	0.13938025	0.14650334	0.14806418	-0.0015608	0.51958531	0.89054584
Gm13166	0.01741469	0.01707332	0.01863634	-0.001563	0.65200649	0.89054584
Glt28d2	0.01041763	0.00958492	0.0111486	-0.0015637	0.74326754	0.89054584
Gm27217	0.01104651	0.01025723	0.01182159	-0.0015644	0.73122568	0.89054584
Scml4	0.03120976	0.03183196	0.03339718	-0.0015652	0.58642213	0.89054584
Klc2	0.34414019	0.34989539	0.35146097	-0.0015656	0.50827873	0.89054584
Sema3e	0.01077586	0.0099634	0.01153196	-0.0015686	0.73686182	0.89054584
Fah	0.02899168	0.02945472	0.03102401	-0.0015693	0.59315346	0.89054584
Gm14399	0.00935753	0.00844388	0.01001414	-0.0015703	0.76747008	0.89054584
Clvs1	0.00640615	0.00528281	0.00685569	-0.0015729	0.85743983	0.9009252
Egfr	0.02249406	0.02249782	0.02407162	-0.0015738	0.61966463	0.89054584
Eefsec	0.23197962	0.24082883	0.24240345	-0.0015746	0.51207173	0.89054584
Ccdc89	0.01678702	0.01638825	0.01796467	-0.0015764	0.6586662	0.89054584
Bzw2	0.96112255	0.81251195	0.81408967	-0.0015777	0.50360205	0.89054584

Pfkfb1	0.01089944	0.0100849	0.01166421	-0.0015793	0.73591795	0.89054584
Wdr76	0.0987697	0.10401773	0.10559719	-0.0015795	0.527778	0.89054584
Wbscr17	0.04574725	0.04736396	0.04894846	-0.0015845	0.55993851	0.89054584
Glod5	0.00579058	0.00461197	0.00619693	-0.001585	0.88328943	0.9130137
Gm2885	0.00501506	0.00378113	0.00536698	-0.0015859	0.91568796	0.93411512
Mroh7	0.02019909	0.02002441	0.02161588	-0.0015915	0.63420584	0.89054584
Rsph4a	0.01913006	0.01888024	0.02047194	-0.0015917	0.64141077	0.89054584
Nt5e	0.00605731	0.0048888	0.00648237	-0.0015936	0.87396046	0.90773126
Pgp	0.87523512	0.76390094	0.76549619	-0.0015953	0.50387326	0.89054584
Slc18b1	0.1235229	0.12996371	0.13156206	-0.0015983	0.52256863	0.89054584
Pagr1a	0.01719865	0.01680679	0.01840515	-0.0015984	0.65711304	0.89054584
Necap2	0.37494623	0.37869539	0.38029834	-0.0016029	0.50783364	0.89054584
1700034H15	0.0064764	0.00532717	0.00693086	-0.0016037	0.85948448	0.90131997
Gm10392	0.0091099	0.00814235	0.00974913	-0.0016068	0.77871229	0.89054584
Brf1	0.24110465	0.24988894	0.2515008	-0.0016119	0.51191025	0.89054584
Styk1	0.01484949	0.01427768	0.0158913	-0.0016136	0.68191967	0.89054584
Gm19705	0.01103747	0.01019285	0.01181193	-0.0016191	0.73846043	0.89054584
Lrrc4b	0.01101314	0.01016602	0.01178589	-0.0016199	0.73902225	0.89054584
5330434G04	0.01105157	0.01020321	0.01182701	-0.0016238	0.73880067	0.89054584
Dhtkd1	0.00889695	0.00789635	0.00952124	-0.0016249	0.78672017	0.89054584
Prex1	0.09351757	0.09836728	0.09999292	-0.0016256	0.53018829	0.89054584
Gm6976	0.00649365	0.00532269	0.00694932	-0.0016266	0.86225846	0.90260095
Cptp	0.15576282	0.16337889	0.16501067	-0.0016318	0.51837363	0.89054584
6330403A02	0.00948123	0.00851148	0.01014651	-0.001635	0.77359919	0.89054584
Gm11032	0.00516278	0.00388952	0.00552507	-0.0016356	0.91607688	0.93431464
Gm29650	0.01066792	0.0097804	0.01141645	-0.0016361	0.74782393	0.89054584
Mustn1	0.00650307	0.00532191	0.0069594	-0.0016375	0.86350709	0.90290403
Gltscr1	0.00489144	0.00359354	0.00523469	-0.0016411	0.92794349	0.94303412
Ncan	0.00603795	0.00482028	0.00646165	-0.0016414	0.88168501	0.91220076
2010308F09I	0.00599412	0.00476977	0.00641474	-0.001645	0.88390233	0.91351696

Helb	0.04005647	0.04121274	0.04286145	-0.0016487	0.57111406	0.89054584
Art4	0.01103481	0.01015844	0.01180908	-0.0016506	0.74254597	0.89054584
Zfp954	0.13097747	0.13768083	0.13933159	-0.0016508	0.52200951	0.89054584
Nptx2	0.03792429	0.03892947	0.0405806	-0.0016511	0.57517358	0.89054584
Gm10033	0.00492519	0.00361952	0.00527081	-0.0016513	0.92779954	0.94302003
Cd22	0.01452266	0.01389016	0.01554155	-0.0016514	0.68971439	0.89054584
Dclk1	0.02559613	0.02573865	0.02739089	-0.0016522	0.61065677	0.89054584
Fbxo41	0.0183077	0.01793851	0.01959194	-0.0016534	0.65290798	0.89054584
Lrrc75aos2	0.01102453	0.01014401	0.01179808	-0.0016541	0.74317806	0.89054584
ldh3a	0.88275921	0.76830614	0.76996135	-0.0016552	0.50399553	0.89054584
Spin2c	0.11762623	0.12374541	0.1254017	-0.0016563	0.52453326	0.89054584
Zfp108	0.03892895	0.03999764	0.04165532	-0.0016577	0.57354345	0.89054584
Fmn2	0.21804017	0.22677699	0.22843545	-0.0016585	0.51349133	0.89054584
Mast1	0.04192303	0.04319715	0.04485806	-0.0016609	0.56847836	0.89054584
Rapgef2	0.09624381	0.10123628	0.10290219	-0.0016659	0.53006167	0.89054584
Gm9903	0.01382499	0.01312888	0.01479495	-0.0016661	0.70008648	0.89054584
Prph	0.01140947	0.01054252	0.01221001	-0.0016675	0.73769658	0.89054584
Hrh3	0.00981962	0.00884078	0.01050865	-0.0016679	0.77017973	0.89054584
Gm37233	0.01357056	0.01285299	0.01452268	-0.0016697	0.70389756	0.89054584
Pcdhb13	0.00635608	0.00513235	0.0068021	-0.0016697	0.8736166	0.90763953
Upk1a	0.00619394	0.00495679	0.00662859	-0.0016718	0.88000917	0.91137745
Frmf3	0.00636027	0.00513374	0.00680659	-0.0016729	0.87390082	0.90773126
Sorcs1	0.02814626	0.02844422	0.03011947	-0.0016752	0.60223249	0.89054584
Lamb3	0.00619048	0.00494798	0.00662488	-0.0016769	0.88085592	0.91173336
Gm16853	0.01517041	0.0145559	0.01623472	-0.0016788	0.68501838	0.89054584
A830039N20	0.01429871	0.0136214	0.01530189	-0.0016805	0.69555418	0.89054584
Tmprss11a	0.01089183	0.00997386	0.01165606	-0.0016822	0.74932885	0.89054584
Pnma2	0.01806268	0.01764527	0.01932974	-0.0016845	0.65762867	0.89054584
Rnf32	0.09975998	0.10496878	0.10665364	-0.0016849	0.52933549	0.89054584
Cntd1	0.02168394	0.02151414	0.02320475	-0.0016906	0.63285797	0.89054584

Socs5	0.12636949	0.13283573	0.13453125	-0.0016955	0.5234115	0.89054584
A930041C12	0.01077571	0.00983251	0.01153181	-0.0016993	0.75381044	0.89054584
Ttc22	0.02777953	0.02802586	0.02972708	-0.0017012	0.6051199	0.89054584
Tcaf2	0.01761687	0.01715022	0.01885269	-0.0017025	0.66302022	0.89054584
Rasl12	0.00584401	0.00454821	0.0062541	-0.0017059	0.89809756	0.92211428
Cep83	0.44496655	0.44218665	0.44389289	-0.0017062	0.50714392	0.89054584
a	0.00550905	0.00418873	0.00589563	-0.0017069	0.91130838	0.93102311
4933427E11I	0.01062433	0.00966259	0.0113698	-0.0017072	0.75789785	0.89054584
Kcnk2	0.0225762	0.02244975	0.02415951	-0.0017098	0.62919136	0.89054584
Map9	0.5398125	0.52370266	0.5254153	-0.0017126	0.50605818	0.89054584
Pop4	0.20243792	0.21098566	0.21269904	-0.0017134	0.51496871	0.89054584
Dennd3	0.03382797	0.03448483	0.03619834	-0.0017135	0.58727432	0.89054584
Gpr135	0.00538752	0.00404994	0.00576558	-0.0017156	0.91717865	0.93504367
Hgfac	0.01244358	0.01159912	0.01331666	-0.0017175	0.72604485	0.89054584
Nccrp1	0.01489991	0.01422398	0.01594525	-0.0017213	0.69249136	0.89054584
Lypd1	0.01262003	0.0117838	0.01350549	-0.0017217	0.72371911	0.89054584
Lgals4	0.01793288	0.01746571	0.01919085	-0.0017251	0.66232287	0.89054584
B230334C09I	0.0063368	0.00505538	0.00678147	-0.0017261	0.88215797	0.91223443
RP24-274B1I	0.00880694	0.0076985	0.00942492	-0.0017264	0.80328296	0.89054584
1700112J16F	0.0194436	0.0190799	0.02080745	-0.0017275	0.65055141	0.89054584
Samd15	0.07021807	0.07338205	0.07511034	-0.0017283	0.54268569	0.89054584
Fam72a	0.0412708	0.04243071	0.0441604	-0.0017297	0.57239827	0.89054584
Kcnc1	0.01069457	0.00971487	0.01144497	-0.0017301	0.75936995	0.89054584
Kcp	0.01921129	0.01882867	0.02055886	-0.0017302	0.65250284	0.89054584
A730090N16	0.01460577	0.01389929	0.01563049	-0.0017312	0.69707772	0.89054584
Lmln	0.04149452	0.04266707	0.04439971	-0.0017326	0.57213376	0.89054584
Them7	0.01531032	0.01465051	0.01638443	-0.0017339	0.68900945	0.89054584
Col4a4	0.00536106	0.00400233	0.00573727	-0.0017349	0.92056057	0.937526
A530020G20	0.09344454	0.0981736	0.09991499	-0.0017414	0.53235825	0.89054584
Slc22a18	0.04232488	0.04354568	0.04528791	-0.0017422	0.57112119	0.89054584

Metrn1	0.08667322	0.09094444	0.09268689	-0.0017425	0.53489675	0.89054584
Slc7a3	0.00950503	0.00842682	0.01017198	-0.0017452	0.7879455	0.89054584
Fam131c	0.01512392	0.01443971	0.01618497	-0.0017453	0.69230138	0.89054584
Adhfe1	0.01817932	0.01770793	0.01945457	-0.0017466	0.66212939	0.89054584
Vars2	0.03340416	0.03399473	0.03574493	-0.0017502	0.59022288	0.89054584
Capn12	0.00941532	0.00832424	0.01007598	-0.0017517	0.79102073	0.89054584
Gm13010	0.00521537	0.00382759	0.00558135	-0.0017538	0.92839201	0.9434238
Rcc1	0.13726896	0.144118	0.14587259	-0.0017546	0.52234449	0.89054584
Fam134c	0.32523529	0.33176161	0.33351655	-0.0017549	0.50977913	0.89054584
Notch4	0.04388384	0.04519982	0.0469554	-0.0017556	0.56914187	0.89054584
Ankrd23	0.01090236	0.00991112	0.01166733	-0.0017562	0.75843669	0.89054584
Ngb	0.01079801	0.00979891	0.01155566	-0.0017568	0.76061334	0.89054584
Vma21-ps	0.00979993	0.00873064	0.01048757	-0.0017569	0.78244869	0.89054584
Fam162b	0.01517274	0.01447918	0.01623721	-0.001758	0.6930206	0.89054584
Nsg2	0.01010719	0.00905666	0.01081639	-0.0017597	0.77576413	0.89054584
4930426D05	0.01839423	0.01792464	0.01968453	-0.0017599	0.6614893	0.89054584
Pm20d2	0.01059438	0.00957681	0.01133775	-0.0017609	0.76534815	0.89054584
BC017643	0.3060222	0.31333048	0.31509148	-0.001761	0.51038653	0.89054584
Cmpk2	0.04202031	0.04319719	0.04496212	-0.0017649	0.57255434	0.89054584
Mslnl	0.01032421	0.00928261	0.01104863	-0.001766	0.77176953	0.89054584
Fbxl2	0.13599981	0.14278803	0.14455434	-0.0017663	0.52269859	0.89054584
A930024N18	0.00924543	0.0081265	0.00989417	-0.0017677	0.7973961	0.89054584
Arg2	0.0053122	0.00391533	0.00568498	-0.0017696	0.92650677	0.9423006
Adamts7	0.0474275	0.04897544	0.05074551	-0.0017701	0.56454802	0.89054584
Ttc30a2	0.01067692	0.00965184	0.01142608	-0.0017742	0.76529452	0.89054584
Ska3	0.02772674	0.02789399	0.0296706	-0.0017766	0.60986496	0.89054584
Rims4	0.01060951	0.00957528	0.01135395	-0.0017787	0.76725998	0.89054584
Kcnj2	0.01637278	0.01574237	0.01752138	-0.001779	0.68190788	0.89054584
Poc1b	0.13791708	0.14476171	0.14654554	-0.0017838	0.52261229	0.89054584
Mrps10	0.69692942	0.64588924	0.64767412	-0.0017849	0.50512198	0.89054584

Lrrc7	0.00579492	0.00440773	0.00620157	-0.0017938	0.91111041	0.93088645
Gm15351	0.00609874	0.00473272	0.00652671	-0.001794	0.89983186	0.92300013
Glt1d1	0.00551749	0.00411038	0.00590467	-0.0017943	0.92157439	0.93827146
Dlec1	0.00986157	0.00875587	0.01055354	-0.0017977	0.78628429	0.89054584
4931429I11R	0.01073176	0.00968371	0.01148477	-0.0018011	0.76749549	0.89054584
Zfp382	0.00614849	0.004771	0.00657995	-0.0018089	0.899873	0.92300013
Styx	0.00903896	0.00786274	0.00967322	-0.0018105	0.80839232	0.89054584
Hcar2	0.00489453	0.00341924	0.00523799	-0.0018188	0.94713593	0.95662382
Fam53a	0.40644262	0.40742784	0.40924739	-0.0018195	0.50826312	0.89054584
Ppp4r1	0.18293023	0.19105672	0.19287756	-0.0018208	0.51754073	0.89054584
Gm12207	0.01517832	0.01442148	0.01624318	-0.0018217	0.6993421	0.89054584
1700024P16I	0.00547736	0.00403551	0.00586172	-0.0018262	0.92667847	0.94234302
Gm26916	0.00572593	0.00430087	0.00612774	-0.0018269	0.91757973	0.93505805
Tmc8	0.00572593	0.00430087	0.00612774	-0.0018269	0.91757973	0.93505805
Chdh	0.00609503	0.00469542	0.00652273	-0.0018273	0.90408402	0.92605695
2310047D07I	0.01024934	0.00913665	0.01096851	-0.0018319	0.78174224	0.89054584
Reep1	0.03970498	0.0406529	0.04248546	-0.0018326	0.57963421	0.89054584
Pptc7	0.18301044	0.19112626	0.19295939	-0.0018331	0.51765153	0.89054584
Kl	0.02010864	0.01968212	0.02151909	-0.001837	0.65457739	0.89054584
Cib3	0.00595392	0.0045338	0.00637173	-0.0018379	0.91050466	0.93052985
B3gnt4	0.01656916	0.01589067	0.01773153	-0.0018409	0.68569559	0.89054584
1700028J19F	0.00607146	0.00465417	0.00649751	-0.0018433	0.9068723	0.9279951
Atp8a2	0.0138607	0.01298846	0.01483316	-0.0018447	0.71884144	0.89054584
Atrip	0.00598339	0.00455807	0.00640327	-0.0018452	0.91028952	0.93044116
Gm26881	0.06270476	0.06523438	0.06708039	-0.001846	0.55100884	0.89054584
St3gal3	0.08033788	0.0840712	0.0859216	-0.0018504	0.53996063	0.89054584
Hist1h2bg	0.00526616	0.00378377	0.0056357	-0.0018519	0.93711089	0.94935599
Pdxk	0.07745357	0.08098623	0.08284077	-0.0018545	0.54153382	0.89054584
Stard6	0.00970715	0.00853289	0.01038829	-0.0018554	0.79732591	0.89054584
Hist1h3d	0.02568902	0.02563408	0.02749028	-0.0018562	0.62346059	0.89054584

Acss3	0.01479528	0.01397522	0.01583328	-0.0018581	0.7077193	0.89054584
Engase	0.01596648	0.0152237	0.0170866	-0.0018629	0.69425597	0.89054584
1810064F22I	0.02050609	0.02007959	0.02194438	-0.0018648	0.6539136	0.89054584
AY074887	0.00541377	0.00392557	0.00579367	-0.0018681	0.9334795	0.94666941
Cftr	0.01015605	0.00899987	0.01086867	-0.0018688	0.78845699	0.89054584
Lpcat2	0.0134709	0.01254717	0.01441603	-0.0018689	0.72706994	0.89054584
Gm16712	0.01074758	0.00963133	0.0115017	-0.0018704	0.77566108	0.89054584
Rab11fip4	0.01723211	0.01656739	0.01844096	-0.0018736	0.68201477	0.89054584
Fcna	0.01073407	0.00961333	0.01148724	-0.0018739	0.7763758	0.89054584
A930019D19	0.01830069	0.01770935	0.01958444	-0.0018751	0.67222433	0.89054584
Insr	0.20320343	0.21159625	0.21347353	-0.0018773	0.51634026	0.89054584
Mex3c	0.12768044	0.13401923	0.13589776	-0.0018785	0.52567444	0.89054584
9530082P21I	0.01756067	0.0169137	0.01879255	-0.0018788	0.67931829	0.89054584
Gm26882	0.02747675	0.02752412	0.02940312	-0.001879	0.61704476	0.89054584
Dlgap5	0.07000963	0.07300776	0.0748876	-0.0018798	0.54654987	0.89054584
Zfp51	0.13695984	0.14366887	0.14555156	-0.0018827	0.52402682	0.89054584
Ell3	0.00785817	0.00652489	0.00840958	-0.0018847	0.85178718	0.89985795
Prrg4	0.01328299	0.01232559	0.01421494	-0.0018894	0.73211911	0.89054584
Dnaic2	0.00603043	0.00456399	0.0064536	-0.0018896	0.91373799	0.93295744
2310057J18F	0.00932592	0.00808851	0.00998031	-0.0018918	0.81141359	0.89054584
Ptger1	0.01481573	0.01396306	0.01585516	-0.0018921	0.71088905	0.89054584
Cyb5r1	0.15972414	0.16719615	0.16909269	-0.0018965	0.52083702	0.89054584
Gm11789	0.01024353	0.00906412	0.0109623	-0.0018982	0.79008616	0.89054584
Car6	0.00566642	0.00416489	0.00606405	-0.0018992	0.92773114	0.94301662
Lad1	0.01454597	0.0136666	0.01556649	-0.0018999	0.71519408	0.89054584
E230013L22F	0.00949726	0.00826173	0.01016367	-0.0019019	0.80835013	0.89054584
Diaph3	0.05074279	0.05238807	0.05429102	-0.001903	0.56485906	0.89054584
Rnf43	0.00535813	0.00383106	0.00573412	-0.0019031	0.93897489	0.9506465
Hist2h2bb	0.06039856	0.06270581	0.06461511	-0.0019093	0.55474795	0.89054584
Mettl20	0.05159355	0.05328618	0.05520081	-0.0019146	0.56418729	0.89054584

Crygn	0.0051626	0.00360901	0.00552488	-0.0019159	0.94690814	0.9564742
Slc39a7	1.09970321	0.88311132	0.88502752	-0.0019162	0.50402414	0.89054584
A230065N10	0.00966604	0.00842335	0.01034429	-0.0019209	0.80652602	0.89054584
Dpyd	0.01326279	0.01227175	0.01419332	-0.0019216	0.73589911	0.89054584
Pdf	0.01019395	0.00898386	0.01090923	-0.0019254	0.79453491	0.89054584
Gm10643	0.02656874	0.02650467	0.02843157	-0.0019269	0.62390478	0.89054584
2410004I01R	0.01042045	0.00922385	0.01115162	-0.0019278	0.78970128	0.89054584
4930451G09	0.0147913	0.01389941	0.01582903	-0.0019296	0.71496294	0.89054584
Per1	0.13861211	0.14533549	0.14726701	-0.0019315	0.52436254	0.89054584
Tulp2	0.00929232	0.00800958	0.00994435	-0.0019348	0.81764932	0.89054584
Kcnip2	0.00443765	0.00281368	0.00474906	-0.0019354	0.97119488	0.97617744
Dpep2	0.02108858	0.02063196	0.02256769	-0.0019357	0.65528076	0.89054584
Tnfaip8l3	0.01029011	0.00907444	0.01101214	-0.0019377	0.7938325	0.89054584
Kcnk6	0.02195656	0.02155719	0.02349647	-0.0019393	0.64970542	0.89054584
Gm43950	0.01279956	0.01175322	0.0136976	-0.0019444	0.74580321	0.89054584
Astn1	0.00994336	0.00869626	0.01064106	-0.0019448	0.80275045	0.89054584
Gm43573	0.02137141	0.02092181	0.02287032	-0.0019485	0.65429177	0.89054584
Gm9949	0.01047085	0.00925623	0.01120556	-0.0019493	0.79116592	0.89054584
1700030K09I	0.08276788	0.08656213	0.0885168	-0.0019547	0.54097127	0.89054584
Tmem88b	0.00487384	0.00325836	0.00521586	-0.0019575	0.9598101	0.96687929
D630011A20	0.01363283	0.01262936	0.01458932	-0.00196	0.73430683	0.89054584
Heca	0.02418575	0.02392099	0.02588178	-0.0019608	0.63793984	0.89054584
Ahcy	0.05041578	0.05198034	0.05394133	-0.001961	0.56724764	0.89054584
A330102110F	0.01384519	0.01285514	0.01481657	-0.0019614	0.73130127	0.89054584
B430218F22I	0.00964126	0.00835555	0.01031777	-0.0019622	0.81219934	0.89054584
Pcdhga11	0.0193734	0.01876205	0.02073232	-0.0019703	0.67102953	0.89054584
Irf1	0.09931947	0.10420189	0.1061837	-0.0019818	0.53464612	0.89054584
Xpnpep3	0.08730613	0.09138001	0.09336262	-0.0019826	0.53940516	0.89054584
Caly	0.01433105	0.01335317	0.0153365	-0.0019833	0.72657874	0.89054584
Gm11110	0.00579116	0.00421347	0.00619755	-0.0019841	0.9320862	0.94578568

Oprl1	0.01366759	0.01264128	0.01462652	-0.0019852	0.73642162	0.89054584
Mafk	0.09259243	0.09701768	0.09900556	-0.0019879	0.5372645	0.89054584
Pcm1	1.14566569	0.90451515	0.90650376	-0.0019886	0.50407727	0.89054584
Med22	0.28569164	0.29340366	0.29539411	-0.0019905	0.51252206	0.89054584
Gm2237	0.0119229	0.01076673	0.01275946	-0.0019927	0.76657644	0.89054584
2010109A12	0.01807184	0.01734508	0.01933955	-0.0019945	0.68455402	0.89054584
Ints7	0.18792496	0.19597212	0.1979681	-0.001996	0.51873264	0.89054584
Pde9a	0.01503082	0.01408594	0.01608534	-0.0019994	0.71874048	0.89054584
Prox2os	0.00454438	0.00285995	0.00486328	-0.0020033	0.97251734	0.97730342
Ptgfrn	0.05736511	0.05936784	0.06137208	-0.0020042	0.56046507	0.89054584
Gm16253	0.01338521	0.01231983	0.01432433	-0.0020045	0.74278547	0.89054584
Gm7008	0.02936561	0.029418	0.0314241	-0.0020061	0.61692882	0.89054584
Kcnj13	0.0337384	0.03409062	0.03610251	-0.0020119	0.60242526	0.89054584
Adap2	0.00958259	0.00824198	0.01025498	-0.002013	0.81977944	0.89054584
D230017M19	0.01426146	0.01324219	0.01526203	-0.0020198	0.73124548	0.89054584
4732414G09	0.02253561	0.02209347	0.02411608	-0.0020226	0.6520065	0.89054584
Adamts20	0.02413859	0.02380801	0.02583131	-0.0020233	0.64241563	0.89054584
Ctif	0.05661857	0.05854933	0.06057391	-0.0020246	0.56187217	0.89054584
Chrd	0.0473522	0.04864037	0.05066498	-0.0020246	0.57384616	0.89054584
Prkd1	0.02180428	0.02130673	0.02333353	-0.0020268	0.6571454	0.89054584
Serpina9	0.04593839	0.04712444	0.04915288	-0.0020284	0.57623272	0.89054584
Mmgt1	0.09113346	0.09541956	0.09744834	-0.0020288	0.53863474	0.89054584
Inmt	0.01809978	0.01733607	0.01936945	-0.0020334	0.68761067	0.89054584
Akip1	0.21995376	0.22832365	0.23035812	-0.0020345	0.51641048	0.89054584
Lgi4	0.0102304	0.00891284	0.01094824	-0.0020354	0.80679659	0.89054584
Fam49a	0.02651326	0.02633663	0.0283722	-0.0020356	0.63090762	0.89054584
Lrrc8e	0.03473293	0.03512816	0.0371665	-0.0020383	0.6008363	0.89054584
Hnf4g	0.00562413	0.00397952	0.00601879	-0.0020393	0.94277809	0.95349821
Gjc2	0.01026851	0.00894646	0.01098902	-0.0020426	0.80674703	0.89054584
Ankrd34c	0.00444707	0.00271549	0.00475913	-0.0020436	0.97728329	0.98100486

Slc1a1	0.00555748	0.00390172	0.00594746	-0.0020457	0.94548111	0.9553025
Gm21814	0.0055624	0.00390513	0.00595273	-0.0020476	0.94548459	0.9553025
C330021F23I	0.01354068	0.01244161	0.0144907	-0.0020491	0.74499057	0.89054584
Mettl21b	0.01380043	0.01271767	0.01476867	-0.002051	0.74118759	0.89054584
D2hgdh	0.08263622	0.08632444	0.08837619	-0.0020518	0.54306665	0.89054584
Itpripl1	0.07468588	0.0778321	0.07988409	-0.002052	0.54762959	0.89054584
1700088E04I	0.25487783	0.26310214	0.26515903	-0.0020569	0.51441475	0.89054584
Hoxa7	0.01808497	0.01729534	0.0193536	-0.0020583	0.68986885	0.89054584
Heph	0.03374789	0.03404962	0.03611266	-0.002063	0.60494033	0.89054584
Kctd6	0.06840074	0.07109885	0.07316828	-0.0020694	0.55241677	0.89054584
Dnajc30	0.44564187	0.44242273	0.44449263	-0.0020699	0.50865463	0.89054584
Mfap3l	0.01025773	0.00890731	0.01097748	-0.0020702	0.81019055	0.89054584
3300002I08R	0.02958913	0.02959247	0.03166325	-0.0020708	0.61970134	0.89054584
Adcy5	0.00504392	0.00332664	0.00539787	-0.0020712	0.96308746	0.96937253
Maneal	0.00406479	0.00227824	0.00435003	-0.0020718	0.98675393	0.98893671
Cbfb	0.54801998	0.53013288	0.53220594	-0.0020731	0.50723945	0.89054584
Gm8773	0.0101584	0.00879712	0.01087119	-0.0020741	0.81296028	0.89054584
Gm15492	0.01045029	0.00910854	0.01118356	-0.002075	0.8063231	0.89054584
Gnat2	0.01792765	0.01710804	0.01918525	-0.0020772	0.69302002	0.89054584
5730422E09I	0.00955947	0.00815113	0.01023024	-0.0020791	0.82814114	0.89229532
Sacs	0.04149125	0.0423168	0.0443962	-0.0020794	0.58636849	0.89054584
Grid1	0.00980605	0.00841429	0.01049412	-0.0020798	0.82208889	0.89071405
Lsm7	1.00298125	0.83397812	0.83605956	-0.0020814	0.50462714	0.89054584
Rapgef5	0.02374664	0.0233302	0.02541191	-0.0020817	0.64864113	0.89054584
Rhbg	0.02286746	0.02238907	0.02447117	-0.0020821	0.65409518	0.89054584
Zfp790	0.06517013	0.06763222	0.06971557	-0.0020834	0.55536418	0.89054584
Gm609	0.15944517	0.16672173	0.16880542	-0.0020837	0.52293002	0.89054584
Gpr137b	0.10431187	0.10936046	0.11144437	-0.0020839	0.53471117	0.89054584
5330439K02I	0.00460608	0.00284469	0.00492931	-0.0020846	0.97559705	0.97954524
Gm14327	0.004744	0.00299195	0.0050769	-0.002085	0.97214569	0.97699766

Nr1h3	0.00812663	0.00661137	0.00869687	-0.0020855	0.86804744	0.90466949
Zfp458	0.04438285	0.04540351	0.04748914	-0.0020856	0.58106246	0.89054584
Esrrg	0.00499388	0.00325309	0.00534432	-0.0020912	0.96585133	0.97168223
Gm26566	0.00876272	0.00728506	0.00937759	-0.0020925	0.85073872	0.89942466
Zkscan7	0.00876511	0.00728721	0.00938015	-0.0020929	0.85071983	0.89942466
U2af1l4	0.03518688	0.03555918	0.03765215	-0.002093	0.60217332	0.89054584
Bloc1s6os	0.00978424	0.00837731	0.01047078	-0.0020935	0.82419732	0.89120023
Gm26669	0.00548093	0.00377125	0.00586554	-0.0020943	0.95189101	0.96063732
Emilin3	0.01484964	0.01379615	0.01589146	-0.0020953	0.73048727	0.89054584
Aqp3	0.01011605	0.00872765	0.01082587	-0.0020982	0.81672994	0.89054584
Tigd5	0.05421081	0.05589736	0.05799948	-0.0021021	0.5670457	0.89054584
1190002N15	0.13248802	0.13880067	0.14090344	-0.0021028	0.52771514	0.89054584
C78197	0.00974504	0.00832533	0.01042883	-0.0021035	0.82631699	0.89170439
2810405F17I	0.01669483	0.0157622	0.01786601	-0.0021038	0.70836462	0.89054584
Tfrc	0.15348566	0.16055569	0.16266129	-0.0021056	0.52404508	0.89054584
AA474408	0.0188559	0.01806821	0.02017856	-0.0021104	0.68695975	0.89054584
Chst10	0.03460228	0.03491583	0.03702672	-0.0021109	0.60472893	0.89054584
Nfyb	0.73899271	0.67541435	0.67752745	-0.0021131	0.50579663	0.89054584
1600002K03I	0.15108327	0.15806609	0.16018062	-0.0021145	0.52452033	0.89054584
Selenbp2	0.00882177	0.00732472	0.00944079	-0.0021161	0.85181752	0.89985795
Acss1	0.00833388	0.00680232	0.00891867	-0.0021163	0.86553715	0.90381429
2310068J16F	0.02842029	0.02829532	0.03041267	-0.0021173	0.62716667	0.89054584
Slc14a2	0.05851731	0.06048448	0.06260393	-0.0021194	0.56266434	0.89054584
Gm26771	0.02152763	0.02091474	0.02303749	-0.0021228	0.66614408	0.89054584
Ccnk	0.18613332	0.19402035	0.1961433	-0.002123	0.52010856	0.89054584
Gjb2	0.0033684	0.00147543	0.00360478	-0.0021293	0.99703875	0.99752038
Gm3336	0.00470532	0.00290542	0.00503551	-0.0021301	0.97562652	0.97954524
Cd109	0.01382863	0.0126686	0.01479885	-0.0021302	0.7487746	0.89054584
Prkcq	0.00869595	0.00717538	0.00930614	-0.0021308	0.85695213	0.9009252
BC021785	0.00942026	0.0079502	0.01008126	-0.0021311	0.83765078	0.89485554

RP23-235M8	0.01418519	0.01304666	0.01518041	-0.0021338	0.74372063	0.89054584
Raly1	0.00371236	0.00183654	0.00397287	-0.0021363	0.99388169	0.99525464
Otud1	0.03060261	0.03061077	0.0327476	-0.0021368	0.61943709	0.89054584
Pdzd4	0.03282387	0.03298662	0.0351241	-0.0021375	0.61161056	0.89054584
4430402118R	0.00365264	0.0017679	0.00390896	-0.0021411	0.99464226	0.99580993
Gm27017	0.00945628	0.00797844	0.01011982	-0.0021414	0.83789487	0.89493147
Zfp97	0.00324082	0.00132104	0.00346824	-0.0021472	0.998039	0.99838332
Gm37584	0.00485233	0.00304348	0.00519284	-0.0021494	0.97309581	0.97761368
Ccdc84	0.08757047	0.09149488	0.09364484	-0.00215	0.54259075	0.89054584
Cog6	0.40802487	0.40853603	0.41068698	-0.002151	0.50973364	0.89054584
Hdc	0.01179853	0.0104754	0.01262637	-0.002151	0.78630711	0.89054584
Dbil5	0.01415424	0.01299556	0.01514729	-0.0021517	0.74595683	0.89054584
Brinp3	0.00464307	0.0028171	0.00496889	-0.0021518	0.9781817	0.98170278
Gria1	0.01021409	0.0087775	0.01093079	-0.0021533	0.82063254	0.89054584
Sowahb	0.02295573	0.02241207	0.02456562	-0.0021535	0.65851954	0.89054584
Kcnab3	0.02804736	0.02785803	0.03001364	-0.0021556	0.63104049	0.89054584
Gm19710	0.01245248	0.01116833	0.01332619	-0.0021579	0.77469687	0.89054584
D130043K22	0.01005529	0.00860085	0.01076085	-0.00216	0.82515152	0.89156706
Ncam2	0.00480812	0.00298313	0.00514553	-0.0021624	0.97487978	0.97893108
Klhdc9	0.00897574	0.00744244	0.00960556	-0.0021631	0.85295017	0.9000052
Fyn	0.31538463	0.32192974	0.32409318	-0.0021634	0.51240517	0.89054584
4930471M09	0.00918411	0.00766259	0.00982855	-0.002166	0.84772155	0.89862623
Hoxa4	0.0206408	0.01991831	0.02208854	-0.0021702	0.67643242	0.89054584
Sntg2	0.03406399	0.03428047	0.03645084	-0.0021704	0.60926535	0.89054584
Npy1r	0.01021462	0.00875998	0.01093135	-0.0021714	0.82263115	0.89073269
A930031H19	0.00518648	0.0033787	0.00555043	-0.0021717	0.96584185	0.97168223
Wdr66	0.00491923	0.003092	0.00526442	-0.0021724	0.97273265	0.97738429
Aldh1a3	0.00491923	0.003092	0.00526442	-0.0021724	0.97273265	0.97738429
Gabre	0.00741282	0.00576011	0.00793299	-0.0021729	0.89904067	0.92252046
Lor	0.00962253	0.00812174	0.01029772	-0.002176	0.83755693	0.89485554

Gm26549	0.02851936	0.02834212	0.03051866	-0.0021765	0.63015662	0.89054584
Acbd4	0.06019541	0.06222124	0.06439793	-0.0021767	0.56256473	0.89054584
Bsn	0.04276918	0.04358074	0.04576314	-0.0021824	0.5879135	0.89054584
Crybg3	0.08251395	0.08606061	0.08824562	-0.002185	0.54591929	0.89054584
Thap8	0.00803032	0.00640878	0.00859381	-0.002185	0.88190532	0.91223443
Ssc5d	0.02094462	0.0202266	0.02241364	-0.002187	0.67530264	0.89054584
A530095I07F	0.00382338	0.00190294	0.00409169	-0.0021887	0.99365207	0.99509343
4933431E20I	0.03861763	0.03913177	0.04132229	-0.0021905	0.59753532	0.89054584
Gm43403	0.00824637	0.00663322	0.00882502	-0.0021918	0.87638551	0.9091719
Sult1b1	0.00896803	0.00740315	0.00959731	-0.0021942	0.85659281	0.9009252
Fam221b	0.00421827	0.0023165	0.00451428	-0.0021978	0.98834169	0.99045952
Ltk	0.01236253	0.01103164	0.01322993	-0.0021983	0.7805734	0.89054584
Arid1b	0.32357066	0.32972923	0.33192766	-0.0021984	0.51230829	0.89054584
Gm43625	0.00494771	0.00309132	0.0052949	-0.0022036	0.97374409	0.97799389
Uox	0.00467536	0.00279984	0.00500344	-0.0022036	0.97990921	0.98311155
Kalrn	0.14239343	0.14898502	0.15118895	-0.0022039	0.52707332	0.89054584
Slc9b2	0.0129128	0.01161377	0.01381879	-0.002205	0.77138393	0.89054584
Cyp4x1	0.00349968	0.00153817	0.00374527	-0.0022071	0.99697928	0.99752038
Greb1	0.01368153	0.012431	0.01464143	-0.0022104	0.75908604	0.89054584
Def6	0.03973173	0.04030171	0.04251407	-0.0022124	0.59578175	0.89054584
Gm16062	0.02290641	0.02230027	0.02451284	-0.0022126	0.66294859	0.89054584
Nacad	0.01291617	0.01160898	0.0138224	-0.0022134	0.77218177	0.89054584
Apoa2	0.02987375	0.02975306	0.03196777	-0.0022147	0.62656508	0.89054584
Fzd9	0.00854942	0.00693062	0.00914933	-0.0022187	0.87071804	0.90602671
Folr1	0.02351325	0.02294144	0.02516218	-0.0022207	0.65953126	0.89054584
Slc8b1	0.02328762	0.02269974	0.02492075	-0.002221	0.66100941	0.89054584
Hhip12	0.01010142	0.00858906	0.01081021	-0.0022211	0.83078252	0.89280428
Ttc34	0.00806846	0.00641156	0.00863463	-0.0022231	0.88483096	0.91404124
A430078I02F	0.00915114	0.00756822	0.00979326	-0.002225	0.85509041	0.90088661
Slc44a4	0.00457507	0.00266771	0.00489612	-0.0022284	0.98301611	0.98586892

5430402O13	0.00457037	0.00266166	0.0048911	-0.0022294	0.98314891	0.98586892
Lrguk	0.01300931	0.01169117	0.01392207	-0.0022309	0.77233473	0.89054584
Ccdc158	0.00364847	0.00167093	0.00390449	-0.0022336	0.99615226	0.99677103
Sym	0.00364847	0.00167093	0.00390449	-0.0022336	0.99615226	0.99677103
Dennd2c	0.00383273	0.00186656	0.00410169	-0.0022351	0.99443826	0.99567444
Pogz	0.28206159	0.28961833	0.29185582	-0.0022375	0.51424617	0.89054584
Phyhip	0.01005429	0.0085205	0.01075977	-0.0022393	0.83387566	0.89423396
C1ql1	0.00917134	0.00757308	0.00981488	-0.0022418	0.85636726	0.9009252
Zfp942	0.27676534	0.28444001	0.28668243	-0.0022424	0.51453508	0.89054584
Gm26720	0.00892877	0.00731119	0.0095553	-0.0022441	0.8630606	0.90285393
Slc24a3	0.02796521	0.02767646	0.02992575	-0.0022493	0.63689711	0.89054584
Ddb2	0.02770639	0.02739953	0.02964882	-0.0022493	0.63812399	0.89054584
Lhx6	0.01007603	0.00853026	0.01078304	-0.0022528	0.83480786	0.89453395
2610020H08	0.01239626	0.01101023	0.01326603	-0.0022558	0.78588445	0.89054584
A630033H20	0.01840281	0.01743757	0.01969372	-0.0022562	0.70323851	0.89054584
Spag6l	0.03042152	0.03029707	0.03255385	-0.0022568	0.6266443	0.89054584
Clec12b	0.01454415	0.01330439	0.01556454	-0.0022602	0.75064886	0.89054584
Fam199x	0.11279266	0.11808097	0.12034228	-0.0022613	0.5348806	0.89054584
Xntrpc	0.00389572	0.00190645	0.0041691	-0.0022627	0.99427235	0.99557708
Stac3	0.00398645	0.00200354	0.0042662	-0.0022627	0.99326237	0.99484061
Recql4	0.00398645	0.00200354	0.0042662	-0.0022627	0.99326237	0.99484061
Otop3	0.02705889	0.02669265	0.02895601	-0.0022634	0.64213401	0.89054584
Zfp324	0.08613505	0.08984204	0.09211229	-0.0022703	0.54570882	0.89054584
Erich2os	0.00777815	0.0060531	0.00832395	-0.0022708	0.898136	0.92211428
Cep152	0.03511152	0.03530035	0.03757152	-0.0022712	0.61088635	0.89054584
Rwdd2b	0.05673678	0.0584278	0.06070029	-0.0022725	0.56923272	0.89054584
Eif2b2	0.50371282	0.4927641	0.49503902	-0.0022749	0.50854064	0.89054584
Nceh1	0.05653711	0.05820783	0.06048681	-0.002279	0.56967093	0.89054584
Ppp1r27	0.01002391	0.00844782	0.01072726	-0.0022794	0.83890824	0.89500145
Nrxn2	0.05513502	0.0567065	0.05898769	-0.0022812	0.57149107	0.89054584

Gm648	0.05092965	0.05220825	0.05449085	-0.0022826	0.57736655	0.89054584
Mapre1	1.44637165	1.01789579	1.0201786	-0.0022828	0.50415895	0.89054584
Plac1	0.04584314	0.04676647	0.04905101	-0.0022845	0.58589145	0.89054584
Tmem213	0.00974426	0.00814346	0.010428	-0.0022845	0.84629484	0.89825055
Gm5449	0.01453024	0.01326161	0.01554966	-0.002288	0.75349772	0.89054584
Gm14322	0.00812066	0.00639843	0.00869049	-0.0022921	0.89042027	0.9171534
Ttc21a	0.0081127	0.00638755	0.00868197	-0.0022944	0.89088273	0.91722772
Rep15	0.02418574	0.0235859	0.02588176	-0.0022959	0.66029721	0.89054584
Ebf4	0.00978808	0.00817838	0.01047489	-0.0022965	0.84647266	0.89825055
Gm42912	0.00928307	0.00763681	0.00993445	-0.0022976	0.85937613	0.90131997
Adamts16	0.07438562	0.07726264	0.0795633	-0.0023007	0.5535827	0.89054584
Wscd1	0.07476536	0.07766394	0.079969	-0.0023051	0.55341389	0.89054584
Slc35f1	0.00867264	0.00697437	0.00928119	-0.0023068	0.87656262	0.9091719
Mc4r	0.00959206	0.00795794	0.01026512	-0.0023072	0.85248268	0.89988783
3110083C13I	0.01288215	0.01147604	0.01378599	-0.0023099	0.78249284	0.89054584
Ticrr	0.02034947	0.0194657	0.02177679	-0.0023111	0.689501	0.89054584
Smad7	0.18268234	0.19031287	0.19262464	-0.0023118	0.52229477	0.89054584
A930016O22	0.00954626	0.00790344	0.01021611	-0.0023127	0.85421066	0.90035231
Pwwp2b	0.042029	0.04265239	0.04497142	-0.002319	0.59493018	0.89054584
Epor	0.01401406	0.01267682	0.01499728	-0.0023205	0.76450127	0.89054584
Katnal2	0.06223788	0.06425999	0.06658133	-0.0023213	0.56451739	0.89054584
Arhgap24	0.11719484	0.12261964	0.12495051	-0.0023309	0.53462833	0.89054584
Dydc2	0.01442146	0.01309979	0.01543325	-0.0023335	0.75941304	0.89054584
Doc2g	0.00886733	0.00715546	0.00948954	-0.0023341	0.87408784	0.90775282
Msl3l2	0.1953787	0.2032073	0.20554511	-0.0023378	0.5211298	0.89054584
Zmiz1os1	0.00843219	0.00668532	0.00902388	-0.0023386	0.88635564	0.9147483
Lcor	0.36789753	0.3714059	0.37374475	-0.0023389	0.51162957	0.89054584
Gm26762	0.00900505	0.00729671	0.00963693	-0.0023402	0.87105058	0.90617762
Adap1	0.00984331	0.00819312	0.010534	-0.0023409	0.8497395	0.89887961
Gm17435	0.00865252	0.00691373	0.00925967	-0.0023459	0.88106845	0.91182315

Pcdhb9	0.00934898	0.00765887	0.01000499	-0.0023461	0.86269258	0.90267402
Gm572	0.00969571	0.00802861	0.01037604	-0.0023474	0.85406256	0.90035231
Kif27	0.0086368	0.00689239	0.00924284	-0.0023504	0.88194479	0.91223443
Veph1	0.01002317	0.00837405	0.01072647	-0.0023524	0.84655093	0.89825055
Tdrd5	0.00812574	0.00634186	0.00869593	-0.0023541	0.89638491	0.92122978
D430019H16	0.08328371	0.0867128	0.08906765	-0.0023548	0.54901658	0.89054584
Tef	0.1651228	0.17229069	0.17464561	-0.0023549	0.52504553	0.89054584
Rab19	0.03719057	0.03744044	0.03979568	-0.0023552	0.60862324	0.89054584
4930426I24R	0.00986225	0.00819895	0.01055426	-0.0023553	0.85076028	0.89942466
Gm10263	0.19680182	0.20463303	0.20698906	-0.002356	0.52114597	0.89054584
5330416C01I	0.01277915	0.01131557	0.01367577	-0.0023602	0.7893171	0.89054584
Arhgef17	0.25684978	0.26474542	0.26710722	-0.0023618	0.5164298	0.89054584
Gm12031	0.0083976	0.00662371	0.00898686	-0.0023632	0.88973141	0.91679645
H2-Q7	0.0218379	0.0210019	0.0233695	-0.0023676	0.68153821	0.89054584
Nufip2	0.40710411	0.40747604	0.40984941	-0.0023734	0.51076182	0.89054584
Pdzd3	0.01625961	0.0150233	0.01740028	-0.002377	0.73775434	0.89054584
Kcne2	0.0125312	0.01103337	0.01341043	-0.0023771	0.79554659	0.89054584
Ppp1r18os	0.0097991	0.00810829	0.01048668	-0.0023784	0.85466531	0.90070056
Nubp1	0.27869046	0.28618134	0.28856448	-0.0023831	0.51534607	0.89054584
Cdkl4	0.00822429	0.00641717	0.00880139	-0.0023842	0.89653746	0.92130916
Fchsd1	0.04168872	0.04222306	0.04460744	-0.0023844	0.59833219	0.89054584
Zfp652os	0.01417168	0.01277949	0.01516596	-0.0023865	0.76825639	0.89054584
Zfp335	0.03022899	0.02996062	0.03234785	-0.0023872	0.63451064	0.89054584
Kcnc2	0.02812233	0.02770574	0.03009385	-0.0023881	0.64420188	0.89054584
Slc7a6	0.08081227	0.08403731	0.08642826	-0.002391	0.55127567	0.89054584
P2rx3	0.0182017	0.0170875	0.01947851	-0.002391	0.7163018	0.89054584
Nupl2	0.07118556	0.07375299	0.07614417	-0.0023912	0.55816004	0.89054584
Catip	0.01450826	0.0131339	0.01552614	-0.0023922	0.76357275	0.89054584
Gm26652	0.00943495	0.00770359	0.01009699	-0.0023934	0.8652818	0.90377426
1700058P15I	0.00946737	0.00773814	0.01013168	-0.0023935	0.86447418	0.90335496

Ciz1	0.27921527	0.28668246	0.28907724	-0.0023948	0.51539366	0.89054584
Cd14	0.0272346	0.02674771	0.02914402	-0.0023963	0.64916698	0.89054584
Hs1bp3	0.01626096	0.01500392	0.01740173	-0.0023978	0.73955125	0.89054584
Mir17hg	0.02267031	0.02186056	0.02426021	-0.0023997	0.67753995	0.89054584
H2-Q6	0.07985156	0.08299699	0.08540218	-0.0024052	0.5521953	0.89054584
Cntn3	0.01329375	0.01182035	0.01422645	-0.0024061	0.78464013	0.89054584
Adcy1	0.03410471	0.03408759	0.03649441	-0.0024068	0.6206766	0.89054584
M5C1000I18	0.00794826	0.00609879	0.008506	-0.0024072	0.90632965	0.92763623
Soat1	0.45989392	0.45467829	0.45708575	-0.0024075	0.50978851	0.89054584
Dhx38	0.14604807	0.15256529	0.15497415	-0.0024089	0.52886492	0.89054584
Cabp7	0.041949	0.04247693	0.04488584	-0.0024089	0.59871942	0.89054584
Ehd3	0.05551345	0.05698152	0.05939232	-0.0024108	0.57499732	0.89054584
Tmem26	0.02614307	0.02556404	0.0279761	-0.0024121	0.65604332	0.89054584
Eno4	0.01833869	0.01720796	0.0196251	-0.0024171	0.71695623	0.89054584
Gm17669	0.01643427	0.015166	0.01758719	-0.0024212	0.73936369	0.89054584
Adgre5	0.14865174	0.1552399	0.15766764	-0.0024277	0.52859466	0.89054584
Tjap1	0.27563528	0.2831455	0.2855768	-0.0024313	0.51581974	0.89054584
Srsf12	0.0468926	0.04774212	0.05017344	-0.0024313	0.58930785	0.89054584
Agbl2	0.0092326	0.00744859	0.00988044	-0.0024318	0.87424582	0.90780805
Zfp960	0.02235795	0.02149327	0.02392598	-0.0024327	0.68214482	0.89054584
Fam189a2	0.01097219	0.00930765	0.01174206	-0.0024344	0.83295587	0.89393134
Egfl8	0.03534793	0.03538927	0.03782444	-0.0024352	0.61789114	0.89054584
Tspan2os	0.0082312	0.00637059	0.00880878	-0.0024382	0.90139696	0.92418557
Zfp385c	0.00974733	0.00798806	0.01043128	-0.0024432	0.86241213	0.90267402
Tenm2	0.00970229	0.00793666	0.01038308	-0.0024464	0.86383665	0.9030793
Tm6sf2	0.0095898	0.0078131	0.0102627	-0.0024496	0.86693952	0.90430169
Rgs7	0.01819614	0.01701835	0.01947256	-0.0024542	0.7214605	0.89054584
Anxa6	1.6139659	1.06147757	1.06393335	-0.0024558	0.50429007	0.89054584
Serpina1d	0.02145448	0.02050115	0.02295922	-0.0024581	0.69103854	0.89054584
Ankrd55	0.00940996	0.00760591	0.01007025	-0.0024643	0.87288	0.90729956

Gm5577	0.04659328	0.04738799	0.04985331	-0.0024653	0.59110621	0.89054584
2610206C17I	0.00939946	0.00758854	0.01005901	-0.0024705	0.87373488	0.90766755
Gm17227	0.01426112	0.01279001	0.01526167	-0.0024717	0.77473301	0.89054584
Hist1h2bj	0.00942356	0.00760893	0.0100848	-0.0024759	0.87364531	0.90763953
Bmp5	0.01439375	0.01292707	0.01540359	-0.0024765	0.77308486	0.89054584
1810034E14I	0.0230159	0.02215346	0.02463001	-0.0024765	0.68027108	0.89054584
Tbx15	0.00933646	0.0075141	0.00999159	-0.0024775	0.87599952	0.90910816
Fbxl22	0.02018438	0.01912224	0.02160013	-0.0024779	0.70348736	0.89054584
BC065403	0.00804617	0.00613197	0.00861077	-0.0024788	0.91006894	0.93034688
Nek5	0.02178927	0.02083667	0.02331746	-0.0024808	0.68993785	0.89054584
Zzef1	0.25757216	0.26533909	0.26782045	-0.0024814	0.51721506	0.89054584
Zfp879	0.00898421	0.00713181	0.00961463	-0.0024828	0.88552966	0.91420299
Cdc25a	0.21302673	0.2209064	0.22339048	-0.0024841	0.52065874	0.89054584
Fitm1	0.01350849	0.0119709	0.01445626	-0.0024854	0.78842828	0.89054584
Fam160a1	0.01329521	0.01173594	0.01422802	-0.0024921	0.79275761	0.89054584
Pof1b	0.01297083	0.01138711	0.01388089	-0.0024938	0.79870512	0.89054584
Muc16	0.00848829	0.00658577	0.00908391	-0.0024981	0.89994553	0.92300013
6430550D23I	0.00974233	0.00792715	0.01042593	-0.0024988	0.86791836	0.90460678
Wdr44	0.07992533	0.08298032	0.08548098	-0.0025007	0.55420502	0.89054584
Stxbp4	0.17883878	0.18619479	0.18869981	-0.002505	0.52465809	0.89054584
Arhgap27	0.06651035	0.06864054	0.07114798	-0.0025074	0.56521062	0.89054584
Gm17092	0.00927872	0.00742043	0.0099298	-0.0025094	0.8804749	0.91159931
Ercc6	0.07626321	0.07905879	0.08156918	-0.0025104	0.5570068	0.89054584
Tmem8	0.01968563	0.01855481	0.02106644	-0.0025116	0.71070955	0.89054584
Slc6a19	0.00789875	0.0059404	0.00845301	-0.0025126	0.91694982	0.93494187
Ophn1	0.09575139	0.09986324	0.10237675	-0.0025135	0.54553352	0.89054584
Gpr62	0.00897694	0.00709227	0.00960684	-0.0025146	0.88866681	0.91609012
Lims1	0.73690046	0.67355625	0.67607206	-0.0025158	0.50691609	0.89054584
B3galt2	0.00873342	0.00682664	0.00934624	-0.0025196	0.89543728	0.92051689
lqgap3	0.02376352	0.02290939	0.02542998	-0.0025206	0.67788379	0.89054584

Kif13b	0.04579467	0.04647782	0.04899917	-0.0025214	0.59473248	0.89054584
Gm527	0.00899047	0.00709917	0.00962133	-0.0025222	0.88901511	0.91631886
Thada	0.0432576	0.04376065	0.04628557	-0.0025249	0.60031008	0.89054584
Gm14443	0.00934386	0.00746964	0.0099995	-0.0025299	0.88074214	0.91173336
Etv4	0.03126253	0.0309217	0.03345365	-0.0025319	0.63781071	0.89054584
Mag	0.02550456	0.0247577	0.02729291	-0.0025352	0.66740677	0.89054584
Dact3	0.02564283	0.02490365	0.02744085	-0.0025372	0.666682	0.89054584
Phyhd1	0.00955521	0.00768784	0.01022569	-0.0025378	0.87621536	0.9091719
Galnt6	0.00855489	0.00661619	0.00915519	-0.002539	0.90183143	0.92431323
1700018L02F	0.01386264	0.0122939	0.01483525	-0.0025413	0.78759298	0.89054584
Gm43570	0.00742664	0.0054039	0.00794778	-0.0025439	0.93204661	0.94578568
Cntn4	0.0170833	0.01573744	0.01828172	-0.0025443	0.74163313	0.89054584
Asic1	0.00956822	0.00768709	0.01023961	-0.0025525	0.87725506	0.9096298
Stx19	0.01422928	0.01267356	0.01522759	-0.002554	0.78272104	0.89054584
Lactb2	0.17440692	0.18161115	0.18416716	-0.002556	0.52577773	0.89054584
Smad3	0.06423642	0.06616043	0.06871758	-0.0025572	0.56881997	0.89054584
Srek1ip1	0.57058915	0.54809828	0.55065722	-0.0025589	0.50863661	0.89054584
Ager	0.03265542	0.03238457	0.03494388	-0.0025593	0.63353256	0.89054584
Trim2	0.10909079	0.11390045	0.11646158	-0.0025611	0.54080257	0.89054584
Mob1b	0.31607565	0.32219451	0.32475586	-0.0025613	0.51465585	0.89054584
Zfp54	0.05648528	0.05786977	0.06043139	-0.0025616	0.57827689	0.89054584
Ccdc142os	0.03106547	0.03067913	0.03324282	-0.0025637	0.64031352	0.89054584
4632411P08I	0.00744341	0.00539968	0.00796573	-0.002566	0.93329792	0.94660649
Slc22a5	0.00887316	0.00691572	0.00949579	-0.0025801	0.89721912	0.92169509
Cdh6	0.00775629	0.00571572	0.00830055	-0.0025848	0.9265847	0.94231376
Gm10306	0.0089384	0.00697652	0.0095656	-0.0025891	0.89634865	0.92122978
Rimkla	0.01410297	0.01250277	0.01509242	-0.0025897	0.787974	0.89054584
Cenpt	0.24608281	0.25385532	0.25644764	-0.0025923	0.51878135	0.89054584
Intu	0.05678195	0.05815349	0.06074859	-0.0025951	0.57887768	0.89054584
Jag2	0.01302925	0.011343	0.0139434	-0.0026004	0.80754313	0.89054584

Dgke	0.03981043	0.03999692	0.04259826	-0.0026013	0.61198877	0.89054584
Ankrd6	0.04993632	0.05082593	0.05342858	-0.0026027	0.58976854	0.89054584
Kif24	0.01532002	0.01378867	0.01639481	-0.0026061	0.77052993	0.89054584
Cadps	0.31732924	0.32334937	0.32595742	-0.002608	0.51486793	0.89054584
Rmst	0.02125611	0.02013874	0.02274695	-0.0026082	0.70339981	0.89054584
P2rx4	0.30439355	0.31091259	0.31352122	-0.0026086	0.51546087	0.89054584
Slc39a5	0.00845199	0.00643515	0.00904506	-0.0026099	0.91057698	0.93053697
Zfp937	0.1057404	0.11033251	0.112945	-0.0026125	0.54290876	0.89054584
4930412M03	0.00838097	0.00635604	0.00896906	-0.002613	0.91266039	0.9320103
6330416G13	0.05351318	0.05463927	0.05725351	-0.0026142	0.58423169	0.89054584
Ist1	0.45388731	0.44917834	0.45179322	-0.0026149	0.51075614	0.89054584
1700040L02F	0.04079388	0.04103522	0.04365024	-0.002615	0.60991996	0.89054584
Krt222	0.0122719	0.01051778	0.01313294	-0.0026152	0.82322666	0.89080883
Sap130	0.10954916	0.11432555	0.11694237	-0.0026168	0.54151576	0.89054584
Gm26660	0.00863552	0.0066245	0.00924147	-0.002617	0.90646646	0.92771077
Fam212b	0.01251497	0.01077419	0.01339306	-0.0026189	0.81885354	0.89054584
Gm12359	0.01653935	0.01507999	0.01769963	-0.0026196	0.7547612	0.89054584
Als2	0.04309756	0.0434897	0.04611439	-0.0026247	0.60456182	0.89054584
Smc2os	0.00792784	0.00585914	0.00848414	-0.002625	0.92527557	0.94144468
Gm10330	0.01691122	0.01547103	0.01809757	-0.0026265	0.75053143	0.89054584
Foxo6	0.00736743	0.00525741	0.00788441	-0.002627	0.93970565	0.95118707
Serpinf2	0.02570162	0.02487313	0.02750376	-0.0026306	0.67206078	0.89054584
Fbxo46	0.14230552	0.14846442	0.15109782	-0.0026334	0.5323578	0.89054584
Brpf1	0.17609301	0.1832589	0.18589255	-0.0026336	0.52631345	0.89054584
Hoga1	0.00936445	0.00738702	0.01002154	-0.0026345	0.88966873	0.91679645
Mat1a	0.03223387	0.03185383	0.03449288	-0.0026391	0.63925035	0.89054584
C030010L15F	0.00940519	0.00742534	0.01006514	-0.0026398	0.88912945	0.91637156
Gm29107	0.00903942	0.00703382	0.00967371	-0.0026399	0.89820585	0.92212069
Rapgef1	0.03043208	0.02992233	0.03256514	-0.0026428	0.64731977	0.89054584
Gm13248	0.00927302	0.00727969	0.00992369	-0.002644	0.8927524	0.91840803

Gm20554	0.02689982	0.02614089	0.02878581	-0.0026449	0.66570272	0.89054584
Sec14l4	0.01763342	0.01622527	0.01887039	-0.0026451	0.7431407	0.89054584
Prr14l	0.29449411	0.30130004	0.30394785	-0.0026478	0.516187	0.89054584
Acaa1b	0.01402892	0.01236481	0.01501318	-0.0026484	0.79441948	0.89054584
Zfp955b	0.02604225	0.02521962	0.02786823	-0.0026486	0.67104041	0.89054584
Swap70	0.09119746	0.09486517	0.09751666	-0.0026515	0.55040196	0.89054584
Rasl10b	0.01252251	0.01074903	0.01340113	-0.0026521	0.82173856	0.89054584
1700001C19l	0.0089949	0.00697373	0.00962607	-0.0026523	0.90037825	0.92330484
Hist2h3c1	0.05943909	0.06093575	0.06358939	-0.0026536	0.57707698	0.89054584
Cfap53	0.01695088	0.01548395	0.01814002	-0.0026561	0.75243188	0.89054584
Gm26802	0.00845772	0.00639226	0.00905119	-0.0026589	0.91444404	0.93337156
1700016L21F	0.01367377	0.01197396	0.01463313	-0.0026592	0.80140061	0.89054584
Mia2	0.01749971	0.01606699	0.01872732	-0.0026603	0.74595958	0.89054584
Lrtm2	0.01359656	0.01188969	0.0145505	-0.0026608	0.80288429	0.89054584
Pcdha11.1	0.00760141	0.00547084	0.0081348	-0.002664	0.93645717	0.94880216
Fam149a	0.11042235	0.11519393	0.11785805	-0.0026641	0.54193631	0.89054584
Pinlyp	0.04747499	0.04812908	0.0507963	-0.0026672	0.5966296	0.89054584
Acad10	0.02088888	0.01968259	0.02235399	-0.0026714	0.71115553	0.89054584
Trim67	0.0083828	0.0062939	0.00897102	-0.0026771	0.91778344	0.93519991
Stil	0.0084732	0.0063904	0.00906777	-0.0026774	0.91552829	0.93401795
Gm15892	0.00775299	0.00561044	0.00829702	-0.0026866	0.93429552	0.94723402
Mfsd9	0.00779298	0.00565251	0.00833982	-0.0026873	0.93335217	0.94660649
Gm26876	0.00770906	0.00554773	0.00825001	-0.0027023	0.93649876	0.94880216
Usp2	0.0641816	0.06595455	0.06865899	-0.0027044	0.57280218	0.89054584
Gm10767	0.00702111	0.0048093	0.00751379	-0.0027045	0.95322145	0.96191304
Fam159a	0.0622172	0.06384174	0.06655921	-0.0027175	0.57542965	0.89054584
Serpina1b	0.02354878	0.02248102	0.02520021	-0.0027192	0.69241772	0.89054584
Trdmt1	0.06266862	0.06431602	0.06704176	-0.0027257	0.57511823	0.89054584
Timp4	0.0223748	0.02121447	0.02394401	-0.0027295	0.70232667	0.89054584
Dhdh	0.02141071	0.02017818	0.02291238	-0.0027342	0.71088272	0.89054584

Foxj1	0.01623255	0.01463626	0.01737132	-0.0027351	0.7683846	0.89054584
Dnmt3bos	0.0122457	0.01036796	0.0131049	-0.0027369	0.83472614	0.89453395
Polq	0.00912641	0.007028	0.0097668	-0.0027388	0.90430173	0.92615843
Ccdc13	0.01433984	0.01260707	0.01534591	-0.0027388	0.79715363	0.89054584
Cct4	1.83850525	1.10010855	1.10284747	-0.0027389	0.50461584	0.89054584
Dgka	0.06331804	0.06499299	0.06773593	-0.0027429	0.57482109	0.89054584
Get4	0.64548167	0.60673422	0.60947733	-0.0027431	0.50836472	0.89054584
Ppp6r2	0.03657182	0.03639061	0.03913376	-0.0027431	0.6280058	0.89054584
Ankrd35	0.01387845	0.01210797	0.01485217	-0.0027442	0.805332	0.89054584
Gm7467	0.05604736	0.05721735	0.05996317	-0.0027458	0.58446956	0.89054584
Plk5	0.03033712	0.02971736	0.03246354	-0.0027462	0.65325085	0.89054584
Acot10	0.00678342	0.00451098	0.00725943	-0.0027485	0.9611252	0.96773339
Ephx1	0.04905887	0.04974012	0.05249021	-0.0027501	0.59642087	0.89054584
Ism2	0.00815346	0.00597219	0.00872559	-0.0027534	0.92923969	0.94388825
Slc46a1	0.08891113	0.09231794	0.0950761	-0.0027582	0.55375567	0.89054584
4933429H19	0.00815739	0.00597022	0.0087298	-0.0027596	0.9295893	0.94406031
Atp8b5	0.01339819	0.01157338	0.01433822	-0.0027648	0.8155093	0.89054584
Pias2	0.35456302	0.35850913	0.36127438	-0.0027653	0.51422338	0.89054584
Aldh1l1	0.02541722	0.02443014	0.02719946	-0.0027693	0.68237501	0.89054584
Yod1	0.24903071	0.25660034	0.25937156	-0.0027712	0.51985032	0.89054584
Nhs12	0.12712288	0.13254256	0.13531665	-0.0027741	0.53804575	0.89054584
Galr2	0.01706143	0.01548256	0.01825832	-0.0027758	0.76061611	0.89054584
Acsm3	0.00896383	0.00681272	0.00959282	-0.0027801	0.91152606	0.93111426
Zfp354b	0.02595532	0.02499378	0.02777522	-0.0027814	0.67958973	0.89054584
Gab2	0.04741888	0.04795432	0.0507363	-0.002782	0.60081593	0.89054584
Anks4b	0.01957116	0.01816191	0.02094394	-0.002782	0.73199533	0.89054584
lqsec2	0.03269695	0.03220455	0.03498831	-0.0027838	0.64456089	0.89054584
Fam84a	0.04100523	0.0410824	0.04387632	-0.0027939	0.61664014	0.89054584
Slc18a1	0.02537413	0.02435466	0.02715335	-0.0027987	0.68445627	0.89054584
Crlf1	0.037557	0.03738702	0.04018768	-0.0028007	0.62728825	0.89054584

Cfap45	0.02058942	0.01923256	0.02203356	-0.002801	0.72316315	0.89054584
Fuk	0.04031127	0.04033125	0.04313401	-0.0028028	0.6189517	0.89054584
Tmem98	0.2328446	0.24046404	0.24326745	-0.0028034	0.52140874	0.89054584
Nbn	0.10297255	0.10723323	0.11003677	-0.0028035	0.5472441	0.89054584
Lin9	0.14100883	0.14694463	0.1497535	-0.0028089	0.53481777	0.89054584
Atg2a	0.0990115	0.10304565	0.10585515	-0.0028095	0.54920502	0.89054584
Artn	0.00699662	0.00467052	0.00748759	-0.0028171	0.96018521	0.96718997
Dtna	0.01737222	0.01577272	0.0185909	-0.0028182	0.75998163	0.89054584
1810041H14	0.01353799	0.01166876	0.01448783	-0.0028191	0.81767627	0.89054584
Atp6v1b1	0.01223346	0.01027108	0.01309181	-0.0028207	0.84226326	0.89691028
A330041J22F	0.00913565	0.00695485	0.00977669	-0.0028218	0.91063999	0.93053697
Timeless	0.11061455	0.1152375	0.11805956	-0.0028221	0.54433698	0.89054584
Bfsp1	0.01746755	0.0158706	0.0186929	-0.0028223	0.75910314	0.89054584
Star	0.00798584	0.00572197	0.00854621	-0.0028242	0.93817395	0.95016738
Casr	0.00828852	0.00604325	0.00887013	-0.0028269	0.93120001	0.94534961
Gm27042	0.01317264	0.01126971	0.01409685	-0.0028271	0.82493968	0.89153749
Sptbn4	0.01311307	0.01120341	0.01403311	-0.0028297	0.82624948	0.89170439
Acacb	0.01694475	0.01530292	0.01813345	-0.0028305	0.76645919	0.89054584
Mlx	0.42118275	0.41977315	0.42260425	-0.0028311	0.51244938	0.89054584
Wdr46	0.32383608	0.32934934	0.33218111	-0.0028318	0.51584036	0.89054584
Peli3	0.00776114	0.00547144	0.00830574	-0.0028343	0.94406521	0.95433395
Kif14	0.00818555	0.00592193	0.00875993	-0.002838	0.934399	0.94723402
Mtmr10	0.09359489	0.09723682	0.10007544	-0.0028386	0.55256719	0.89054584
Adam5	0.00830193	0.00604114	0.00888447	-0.0028433	0.93202182	0.94578568
0610010F05I	0.34510915	0.34952984	0.35237574	-0.0028459	0.5150075	0.89054584
Birc3	0.0439849	0.0442174	0.04706349	-0.0028461	0.61092963	0.89054584
Six4	0.03528841	0.03491383	0.03776076	-0.0028469	0.6373017	0.89054584
Myo7b	0.02043738	0.01902375	0.02187086	-0.0028471	0.72790583	0.89054584
Cabp1	0.01354192	0.01164384	0.01449203	-0.0028482	0.82007331	0.89054584
Psemb9	0.06389415	0.06550316	0.06835174	-0.0028486	0.57697556	0.89054584

Srcin1	0.00713896	0.00479119	0.00763991	-0.0028487	0.95882377	0.96608709
Exo1	0.07779629	0.08035639	0.08320687	-0.0028505	0.56340382	0.89054584
Gm5420	0.02111087	0.01973989	0.02259154	-0.0028517	0.7217613	0.89054584
Rmi2	0.05958528	0.06089292	0.06374568	-0.0028528	0.58257975	0.89054584
Slain1	0.05412861	0.05505672	0.05791158	-0.0028549	0.59082631	0.89054584
Cpsf7	0.34890635	0.35309759	0.35595571	-0.0028581	0.5149204	0.89054584
Il15ra	0.01247507	0.01049182	0.01335036	-0.0028585	0.84075319	0.89593824
L3hypdh	0.13171505	0.13723436	0.14009921	-0.0028648	0.53794955	0.89054584
Agpat9	0.00727629	0.00492038	0.00778688	-0.0028665	0.95683165	0.964415
Ak4	0.01706755	0.01539822	0.01826486	-0.0028666	0.76767571	0.89054584
Afp	0.00822907	0.00593675	0.0088065	-0.0028698	0.93551764	0.94807317
Sowaha	0.04491971	0.04518774	0.04806335	-0.0028756	0.60977898	0.89054584
Ankrd45	0.00743114	0.00507195	0.00795259	-0.0028806	0.95425552	0.9627461
Ttc16	0.00839961	0.00610635	0.00898901	-0.0028827	0.93242053	0.9459925
Ttc41	0.00758028	0.0052281	0.0081122	-0.0028841	0.95117731	0.95999115
Adcy8	0.01582059	0.01404582	0.01693048	-0.0028847	0.78634477	0.89054584
BC051019	0.00890746	0.0066477	0.00953249	-0.0028848	0.92071881	0.9375979
Gm16576	0.00743133	0.00506347	0.00795279	-0.0028893	0.95473732	0.96297354
Cyp2d26	0.01272889	0.01073058	0.01362198	-0.0028914	0.83864554	0.89497393
Ttll11	0.00780544	0.00546174	0.00835315	-0.0028914	0.9465924	0.95624787
Gstm6	0.00774093	0.00539223	0.00828411	-0.0028919	0.9480654	0.95744303
E530001K10I	0.00787737	0.00553273	0.00843013	-0.0028974	0.94534021	0.95528977
Tm4sf20	0.01571146	0.0139126	0.0168137	-0.0029011	0.7892645	0.89054584
Vrk1	0.34068457	0.34529323	0.34819455	-0.0029013	0.51548328	0.89054584
Mtmr11	0.02019505	0.01870819	0.02161156	-0.0029034	0.73430912	0.89054584
Slc25a16	0.14241974	0.14830857	0.15121621	-0.0029076	0.53569098	0.89054584
Masp2	0.01371426	0.01176507	0.01467645	-0.0029114	0.82230836	0.89073269
Marveld2	0.15673828	0.16310353	0.16601644	-0.0029129	0.53257541	0.89054584
Gm13157	0.05456112	0.05545996	0.05837405	-0.0029141	0.59195593	0.89054584
Hist1h2bp	0.00809385	0.00574761	0.0086618	-0.0029142	0.94149694	0.95226891

Rbm8a2	0.13758873	0.14328474	0.14620463	-0.0029199	0.53706596	0.89054584
Wdr93	0.01522874	0.01337645	0.01629714	-0.0029207	0.7981273	0.89054584
Tmem179	0.02483356	0.0236542	0.02657493	-0.0029207	0.69568998	0.89054584
Mphosph9	0.10721785	0.11157506	0.11449625	-0.0029212	0.54730893	0.89054584
Pcdhgb4	0.02136011	0.01993532	0.02285823	-0.0029229	0.72432696	0.89054584
Tead4	0.00804274	0.00568294	0.0086071	-0.0029242	0.94326882	0.95366188
Fam124a	0.01719942	0.01548021	0.01840598	-0.0029258	0.77052414	0.89054584
Spaca7	0.00731209	0.0048993	0.00782519	-0.0029259	0.95924676	0.96637896
Btc	0.02029918	0.01879651	0.02172298	-0.0029265	0.73488101	0.89054584
Jph2	0.00806557	0.00570258	0.00863153	-0.002929	0.94305267	0.95357634
Crebl2	0.05195383	0.05265635	0.05558608	-0.0029297	0.5969864	0.89054584
Nr0b2	0.03653931	0.03616797	0.03909899	-0.002931	0.63655023	0.89054584
Atg9a	0.17286267	0.17964789	0.18258588	-0.002938	0.52987959	0.89054584
Fbxw8	0.1802075	0.18715813	0.19009817	-0.00294	0.5287208	0.89054584
Prr15	0.01538961	0.01352704	0.01646929	-0.0029422	0.79738649	0.89054584
Orc1	0.01640466	0.01460978	0.0175555	-0.0029457	0.78281832	0.89054584
Diras1	0.00757464	0.00515942	0.00810616	-0.0029467	0.95483018	0.96300021
Ripk2	0.05881281	0.05996867	0.06291984	-0.0029512	0.58648871	0.89054584
Layn	0.03731396	0.03697594	0.03992768	-0.0029517	0.6347359	0.89054584
Lars2	0.08248309	0.08525494	0.08821266	-0.0029577	0.56206693	0.89054584
Car13	0.02126341	0.01979505	0.02275476	-0.0029597	0.72773859	0.89054584
Dok7	0.04656499	0.04686173	0.04982305	-0.0029613	0.60907626	0.89054584
Kantr	0.03861423	0.0383511	0.04131866	-0.0029676	0.63104087	0.89054584
Fez1	0.0636931	0.06516912	0.06813684	-0.0029677	0.58040191	0.89054584
Trim34a	0.02899704	0.02805938	0.03102975	-0.0029704	0.6721958	0.89054584
Cenpl	0.06587571	0.06749877	0.0704697	-0.0029709	0.57785782	0.89054584
Ackr4	0.0250813	0.02386717	0.02684002	-0.0029728	0.6970839	0.89054584
Alb	0.00795302	0.00553762	0.00851109	-0.0029735	0.94820219	0.95744779
Rusc2	0.01709558	0.01532027	0.01829485	-0.0029746	0.77562539	0.89054584
Agtr1a	0.01193974	0.00980057	0.01277749	-0.0029769	0.86113777	0.90194881

Prss27	0.01213099	0.01000518	0.01298214	-0.002977	0.85731902	0.9009252
Gm4425	0.00717169	0.00468977	0.00767493	-0.0029852	0.96501408	0.97104207
Styxl1	0.00855942	0.00617323	0.00916004	-0.0029868	0.93563605	0.94812689
6430531B16	0.02552994	0.02433311	0.02732006	-0.0029869	0.69475339	0.89054584
Kcnj5	0.00739203	0.00491601	0.00791074	-0.0029947	0.96110955	0.96773339
Prdm11	0.12295308	0.12797045	0.13096733	-0.0029969	0.5424504	0.89054584
Greb1l	0.02952535	0.02859785	0.03159501	-0.0029972	0.67073952	0.89054584
Caps2	0.01023632	0.00795462	0.01095458	-0.003	0.89899945	0.92252046
3110021N24	0.00772715	0.00526892	0.00826937	-0.0030005	0.954529	0.9628974
Dnajc6	0.02012556	0.01853661	0.02153719	-0.0030006	0.74185963	0.89054584
Arhgap19	0.03132543	0.03052029	0.03352095	-0.0030007	0.66167855	0.89054584
Ppp6r1	0.1385009	0.14414927	0.14715159	-0.0030023	0.53786477	0.89054584
Ablim2	0.01252198	0.01039617	0.01340056	-0.0030044	0.85187978	0.89985815
Gm26899	0.01226272	0.01011715	0.01312312	-0.003006	0.85705323	0.9009252
Fxyd4	0.01602289	0.01413619	0.01714697	-0.0030108	0.79333531	0.89054584
Mrpl16	0.35054613	0.35448843	0.35749929	-0.0030109	0.5156495	0.89054584
Ica1l	0.01198806	0.00981357	0.01282919	-0.0030156	0.86326979	0.90287732
Gm42670	0.0254063	0.02416885	0.02718776	-0.0030189	0.69753609	0.89054584
Tgfbr3l	0.01803377	0.01627708	0.01929881	-0.0030217	0.76714573	0.89054584
Serac1	0.00840063	0.00596708	0.0089901	-0.003023	0.94139843	0.95223571
9530026P05I	0.0062433	0.00365157	0.00668141	-0.0030298	0.98268705	0.98567849
Insl6	0.0240141	0.02266248	0.0256981	-0.0030356	0.70895819	0.89054584
Ndufaf5	0.12993932	0.13521463	0.13825081	-0.0030362	0.54074734	0.89054584
Fmn1	0.01597077	0.01405439	0.01709119	-0.0030368	0.7961113	0.89054584
Dab1	0.07727328	0.07961131	0.08264819	-0.0030369	0.56796327	0.89054584
Smpdl3b	0.00763181	0.00512222	0.00816735	-0.0030451	0.95881078	0.96608709
Ttc36	0.0341289	0.03347151	0.03652029	-0.0030488	0.65133867	0.89054584
Mamstr	0.06486803	0.06633926	0.06939267	-0.0030534	0.58121493	0.89054584
Psmf1	0.36848755	0.37123667	0.37429438	-0.0030577	0.51518016	0.89054584
Kifc5b	0.02097042	0.01938003	0.02244125	-0.0030612	0.73745816	0.89054584

Nrip3	0.01646172	0.01455304	0.01761657	-0.0030635	0.79108483	0.89054584
Gm26564	0.00760203	0.00507181	0.00813547	-0.0030637	0.96032458	0.96726315
Gm3294	0.00573944	0.00306824	0.0061422	-0.003074	0.99014018	0.99205614
Gm26631	0.05060341	0.05106788	0.05414197	-0.0030741	0.604313	0.89054584
Gm16861	0.00707652	0.00449808	0.00757309	-0.003075	0.97073708	0.9758526
Tmem74b	0.01258459	0.01038823	0.01346756	-0.0030793	0.85662047	0.9009252
Ttf1	0.29627476	0.30259389	0.3056735	-0.0030796	0.51871865	0.89054584
Fam98c	0.38529888	0.3867936	0.38987379	-0.0030802	0.5146809	0.89054584
Atp7b	0.01451846	0.01245653	0.01553706	-0.0030805	0.82218531	0.89073269
Adgrb2	0.03283793	0.03205296	0.03513914	-0.0030862	0.65879756	0.89054584
Bbs9	0.09895318	0.1027051	0.10579294	-0.0030878	0.55408262	0.89054584
Mrps28	0.84161741	0.7419525	0.74504213	-0.0030896	0.50770719	0.89054584
Zfp655	0.30095824	0.3071111	0.31020466	-0.0030936	0.51852897	0.89054584
Gm26670	0.04004258	0.03975065	0.04284658	-0.0030959	0.63180492	0.89054584
Igf1r	0.628562	0.59342077	0.59651747	-0.0030967	0.50964787	0.89054584
Stk36	0.06005739	0.0611523	0.06425039	-0.0030981	0.58887397	0.89054584
Erc2	0.02752567	0.02635087	0.02945546	-0.0031046	0.68830446	0.89054584
2810021J22F	0.08118069	0.08371588	0.08682174	-0.0031059	0.56618264	0.89054584
Slc5a6	0.01954667	0.01780443	0.02091774	-0.0031133	0.75597624	0.89054584
Kcnk10	0.01227474	0.01002027	0.01313598	-0.0031157	0.86543119	0.90377426
Tat	0.01172118	0.00942772	0.01254359	-0.0031159	0.87642478	0.9091719
Gm19325	0.00700985	0.00438582	0.00750175	-0.0031159	0.97351339	0.97796543
Nradd	0.12269099	0.12757546	0.13069374	-0.0031183	0.54425519	0.89054584
Zc3h12a	0.0242758	0.02285562	0.02597813	-0.0031225	0.71225783	0.89054584
Kif18b	0.01466826	0.01256719	0.01569736	-0.0031302	0.82356224	0.8909122
Cecr6	0.05614413	0.05693419	0.06006664	-0.0031324	0.59598252	0.89054584
Fnip1	0.15798669	0.16416968	0.16730308	-0.0031334	0.53476631	0.89054584
Zfp846	0.04131542	0.041074	0.04420813	-0.0031341	0.62941169	0.89054584
Ccdc160	0.01988087	0.01814104	0.02127536	-0.0031343	0.75375783	0.89054584
Atp6v0a4	0.01259746	0.01034677	0.01348134	-0.0031346	0.86065324	0.90163673

Gm14226	0.01923303	0.01744477	0.02058212	-0.0031373	0.76119945	0.89054584
Alms1	0.09476611	0.09818661	0.10132535	-0.0031387	0.55737591	0.89054584
Zfp773	0.00661	0.00392876	0.00707384	-0.0031451	0.98083924	0.9839612
Sstr1	0.0070696	0.00441946	0.00756569	-0.0031462	0.97365438	0.97799389
Gm17315	0.00810362	0.00552163	0.00867225	-0.0031506	0.95473337	0.96297354
Neurl4	0.10232187	0.10620058	0.10935269	-0.0031521	0.5534153	0.89054584
Gm16586	0.13476762	0.14012039	0.14327388	-0.0031535	0.54083769	0.89054584
Fam171a2	0.10824339	0.11241883	0.11557254	-0.0031537	0.55058195	0.89054584
N4bp2l2	0.98219774	0.822113	0.82526793	-0.0031549	0.50710509	0.89054584
Gm29538	0.00575317	0.00299919	0.00615689	-0.0031577	0.99156305	0.99341311
Anks1b	0.01336207	0.01113608	0.01429957	-0.0031635	0.84865834	0.89883797
Prdm9	0.01198768	0.00966214	0.01282879	-0.0031666	0.87492991	0.90832322
Gm26521	0.01231943	0.01001536	0.01318381	-0.0031684	0.86857428	0.90498553
6230400D17	0.00642195	0.00370241	0.0068726	-0.0031702	0.98418578	0.98670393
Cndp1	0.01899316	0.01715414	0.02032544	-0.0031713	0.76636135	0.89054584
Kif21b	0.03389497	0.03309663	0.03627001	-0.0031734	0.65822593	0.89054584
4921507G05	0.01182679	0.00948147	0.01265661	-0.0031751	0.87875402	0.91059794
Thns12	0.01700247	0.01501839	0.01819522	-0.0031768	0.79201577	0.89054584
Champ1	0.13240036	0.13763044	0.14081225	-0.0031818	0.54192077	0.89054584
Garem	0.02222732	0.02060307	0.02378619	-0.0031831	0.73351207	0.89054584
Rac3	0.28085542	0.28749318	0.29067884	-0.0031857	0.52036077	0.89054584
AV099323	0.06003087	0.06103577	0.06422203	-0.0031863	0.59139906	0.89054584
Tmem185b	0.25641337	0.26348822	0.26667623	-0.003188	0.52220792	0.89054584
Fam166a	0.02147235	0.01978725	0.02297834	-0.0031911	0.74118543	0.89054584
Xlr3c	0.03255349	0.03163691	0.03483483	-0.0031979	0.66556576	0.89054584
Nolc1	0.60938919	0.57839967	0.58159891	-0.0031992	0.51022286	0.89054584
Mgat5b	0.00775165	0.00509491	0.00829559	-0.0032007	0.96387632	0.97003186
Gm5475	0.01305991	0.01077146	0.01397622	-0.0032048	0.85730709	0.9009252
Zfp14	0.04013665	0.03973902	0.04294722	-0.0032082	0.63609011	0.89054584
Gm12927	0.01264909	0.01032805	0.01353659	-0.0032085	0.86526707	0.90377426

Ypel2	0.30683909	0.3126671	0.31587857	-0.0032115	0.51888938	0.89054584
Spryd4	0.23860371	0.24579953	0.24901125	-0.0032117	0.52395822	0.89054584
Dsg2	0.13241278	0.13761291	0.14082517	-0.0032123	0.54231655	0.89054584
Slc38a7	0.05788033	0.05871004	0.06192293	-0.0032129	0.59550557	0.89054584
Bcl3	0.04049475	0.04011365	0.04333027	-0.0032166	0.63527464	0.89054584
Lrrc61	0.06428895	0.06555226	0.06877373	-0.0032215	0.58637592	0.89054584
Tmem110	0.18785321	0.19467316	0.19789505	-0.0032219	0.5302313	0.89054584
A830011K09	0.02028097	0.01847835	0.02170349	-0.0032251	0.75563118	0.89054584
Jak2	0.08649014	0.0892622	0.09249143	-0.0032292	0.56460736	0.89054584
Acpp	0.00710562	0.00437419	0.00760423	-0.00323	0.9760903	0.97994302
Cdk17	0.10677857	0.11080349	0.11403511	-0.0032316	0.55251929	0.89054584
Lbhd1	0.03422772	0.03338924	0.03662601	-0.0032368	0.65972988	0.89054584
Gm29095	0.01712362	0.01508711	0.01832487	-0.0032378	0.79479478	0.89054584
Hypm	0.01723982	0.01520824	0.01844921	-0.003241	0.79344528	0.89054584
Enkd1	0.05773611	0.05852756	0.06176873	-0.0032412	0.59656545	0.89054584
Pcsk4	0.01288854	0.01054614	0.01379283	-0.0032467	0.86360672	0.90290403
Gm42595	0.02381956	0.02224144	0.02548994	-0.0032485	0.72365933	0.89054584
Pradc1	0.18666262	0.1934326	0.19668254	-0.0032499	0.53068164	0.89054584
4930403P22I	0.0225202	0.02084568	0.02409959	-0.0032539	0.73534078	0.89054584
Parp12	0.14299395	0.14855638	0.15181128	-0.0032549	0.53978402	0.89054584
Gm14616	0.01276263	0.01040318	0.01365809	-0.0032549	0.86656225	0.90430169
Map3k10	0.10852929	0.11261495	0.11587252	-0.0032576	0.5521039	0.89054584
1700012C14I	0.01708013	0.01501926	0.01827833	-0.0032591	0.79692866	0.89054584
Erich3	0.01294252	0.01059044	0.01385059	-0.0032602	0.86359652	0.90290403
AW554918	0.12278871	0.12753214	0.13079576	-0.0032636	0.54627279	0.89054584
1810062O18	0.00767884	0.00495158	0.00821767	-0.0032661	0.96796431	0.97334573
Vwa5b1	0.00733793	0.00458618	0.00785285	-0.0032667	0.97369128	0.97799389
Gm16174	0.00765359	0.00492307	0.00819065	-0.0032676	0.96846095	0.97363199
Angptl8	0.00556426	0.00268698	0.00595472	-0.0032677	0.99471588	0.99581486
Gm13544	0.01149695	0.00903262	0.01230363	-0.003271	0.89225576	0.91809254

Tmco4	0.01252816	0.01013517	0.01340718	-0.003272	0.87223307	0.90701739
Mtmr4	0.19794316	0.20487227	0.20814647	-0.0032742	0.52921085	0.89054584
C3	0.01701052	0.01492527	0.01820384	-0.0032786	0.79929062	0.89054584
Zfp551	0.04387744	0.04366784	0.04694856	-0.0032807	0.62762218	0.89054584
Ppargc1a	0.01640774	0.01427673	0.0175588	-0.0032821	0.80808017	0.89054584
Zfp185	0.03668418	0.03597041	0.03925396	-0.0032836	0.65162648	0.89054584
Ccdc39	0.03740995	0.03674261	0.04003037	-0.0032878	0.649009	0.89054584
Casc1	0.01163229	0.00916044	0.01244847	-0.003288	0.89075888	0.91722772
Vwc2	0.01195997	0.0095108	0.01279913	-0.0032883	0.88434057	0.91373913
Irak1bp1	0.31790351	0.32321582	0.32650758	-0.0032918	0.51873149	0.89054584
Ift122	0.32859925	0.33343114	0.33672303	-0.0032919	0.51816435	0.89054584
Gm15559	0.03874087	0.03815766	0.04145412	-0.0032965	0.64448836	0.89054584
Egln3	0.0944102	0.09764159	0.10094554	-0.003304	0.56059873	0.89054584
Gm5141	0.07998307	0.08223825	0.08554264	-0.0033044	0.57141121	0.89054584
Gm4724	0.01744165	0.01535718	0.01866519	-0.003308	0.79551202	0.89054584
Fam163b	0.00755517	0.00477351	0.00808533	-0.0033118	0.97182644	0.97674452
Zcchc8	0.25998587	0.26688933	0.27020222	-0.0033129	0.52277611	0.89054584
Ppp1r3e	0.01996068	0.01804392	0.02136076	-0.0033168	0.76529154	0.89054584
Wnt9a	0.07802278	0.0801311	0.0834488	-0.0033177	0.57347456	0.89054584
Pcdhb20	0.04504746	0.04487874	0.04819999	-0.0033212	0.6259051	0.89054584
Gm12184	0.0313346	0.03020427	0.03353075	-0.0033265	0.67803047	0.89054584
Gm7676	0.01197639	0.00948944	0.01281671	-0.0033273	0.88676078	0.91505129
Pcnx	0.17531675	0.18176815	0.18509834	-0.0033302	0.53340064	0.89054584
Uprt	0.02618848	0.02469416	0.0280247	-0.0033305	0.71010223	0.89054584
Gm12981	0.02539544	0.02384517	0.02717615	-0.003331	0.71601554	0.89054584
Trnp1	0.02254678	0.02079684	0.02412803	-0.0033312	0.73996182	0.89054584
2810429I04R	0.02145553	0.01962302	0.02296034	-0.0033373	0.75085583	0.89054584
Carns1	0.01985774	0.01791048	0.0212506	-0.0033401	0.76800195	0.89054584
Tbx2	0.02297634	0.02124241	0.02458768	-0.0033453	0.73691762	0.89054584
Tnip2	0.06811337	0.06951565	0.07286118	-0.0033455	0.58469607	0.89054584

2010007H06	0.01138679	0.00883624	0.01218574	-0.0033495	0.89983411	0.92300013
Dtwd2	0.03639547	0.03559137	0.0389451	-0.0033537	0.65586437	0.89054584
Hist1h2an	0.00587784	0.00293034	0.0062903	-0.00336	0.9935871	0.99509343
Platr22	0.00555189	0.00258043	0.00594149	-0.0033611	0.99579966	0.99662457
Xlr3b	0.20647886	0.21342357	0.2167847	-0.0033611	0.52879233	0.89054584
Snta1	0.11879805	0.12326495	0.12662696	-0.003362	0.54922256	0.89054584
Xrcc6bp1	0.09050875	0.09341877	0.09678152	-0.0033628	0.56429934	0.89054584
Renbp	0.12344589	0.12811775	0.13148169	-0.0033639	0.54744081	0.89054584
Gda	0.01057312	0.00795053	0.011315	-0.0033645	0.91702202	0.93494974
Fbxw24	0.01753971	0.01540419	0.01877012	-0.0033659	0.79826982	0.89054584
Usp43	0.01989266	0.01792133	0.02128797	-0.0033666	0.76937794	0.89054584
Fank1	0.01118874	0.00860577	0.01197381	-0.003368	0.90498443	0.92658646
Sgsh	0.03368929	0.03267507	0.03604997	-0.0033749	0.66863876	0.89054584
Gm9958	0.03120275	0.03000841	0.03338969	-0.0033813	0.68146425	0.89054584
Mif4gd	0.15485037	0.16068663	0.16406954	-0.0033829	0.53826419	0.89054584
Gm5087	0.01500686	0.0126759	0.0160597	-0.0033838	0.83686267	0.89468586
2810455O05	0.01160072	0.00903062	0.01241469	-0.0033841	0.89795079	0.92211428
Cenpn	0.08121286	0.08347026	0.0868561	-0.0033858	0.57205779	0.89054584
Chst14	0.07704417	0.07901104	0.08240344	-0.0033924	0.57605057	0.89054584
Coch	0.0206708	0.01872766	0.02212064	-0.003393	0.7625754	0.89054584
Raet1d	0.01220741	0.00966778	0.01306393	-0.0033961	0.88708207	0.91505129
9030612E09I	0.02022526	0.01824482	0.02164388	-0.0033991	0.76781298	0.89054584
Mmp11	0.09681958	0.10011646	0.10351655	-0.0034001	0.56081147	0.89054584
Gm5160	0.01218946	0.00963517	0.01304472	-0.0034096	0.88833619	0.91584392
Brsk1	0.05055279	0.05067278	0.05408784	-0.0034151	0.61568288	0.89054584
Slc16a6	0.04648331	0.04632043	0.0497357	-0.0034153	0.62548619	0.89054584
Ptprf	1.0020206	0.83214509	0.83556062	-0.0034155	0.50759715	0.89054584
Lmo1	0.07287062	0.0745283	0.07794464	-0.0034163	0.58090259	0.89054584
Gm9945	0.01714841	0.01493409	0.01835139	-0.0034173	0.80718361	0.89054584
Tmem145	0.02263377	0.02080043	0.02422111	-0.0034207	0.74472129	0.89054584

Ikkg	0.13977419	0.14504989	0.1484729	-0.003423	0.54276844	0.89054584
Gm9755	0.01191523	0.00932798	0.01275125	-0.0034233	0.89448992	0.91973864
Tmem38b	0.13308413	0.13809916	0.1415235	-0.0034243	0.5448773	0.89054584
Trmt5	0.0534315	0.05374176	0.05716618	-0.0034244	0.60990978	0.89054584
Tep1	0.07179561	0.07336524	0.07679601	-0.0034308	0.58243736	0.89054584
Cebpb	0.01154227	0.00891854	0.01235213	-0.0034336	0.90235192	0.9247401
Tbc1d22b	0.2232509	0.23022999	0.23366705	-0.0034371	0.52731794	0.89054584
Pitpnb	0.73735218	0.67294825	0.67638655	-0.0034383	0.50944724	0.89054584
Tbc1d12	0.07248721	0.07409647	0.07753499	-0.0034385	0.5818447	0.89054584
Rgl3	0.09958939	0.10303238	0.10647166	-0.0034393	0.55981285	0.89054584
Tfe3	0.28407991	0.29038001	0.29382376	-0.0034437	0.52177339	0.89054584
Als2cl	0.03072052	0.02942618	0.03287374	-0.0034476	0.68743598	0.89054584
Kank4	0.02087832	0.01888834	0.0223427	-0.0034544	0.76433231	0.89054584
Grin3a	0.02317819	0.02134793	0.02480366	-0.0034557	0.74186262	0.89054584
Zbtb3	0.0334259	0.03230902	0.03576819	-0.0034592	0.67385039	0.89054584
Zfp687	0.23685483	0.24380653	0.24726863	-0.0034621	0.52600516	0.89054584
Col11a2	0.03375168	0.03264858	0.03611672	-0.0034681	0.6726992	0.89054584
Smarcd3	0.06444845	0.06546995	0.06894421	-0.0034743	0.59280837	0.89054584
Tfcp2l1	0.04689505	0.0467003	0.05017606	-0.0034758	0.62655023	0.89054584
Pan2	0.08774662	0.09034935	0.09383289	-0.0034835	0.56865984	0.89054584
Mybl1	0.01175343	0.00909439	0.0125781	-0.0034837	0.90153895	0.92418557
Slc26a11	0.06369348	0.06464936	0.06813724	-0.0034879	0.59424838	0.89054584
Taf1c	0.07411716	0.07578788	0.07927648	-0.0034886	0.58122136	0.89054584
Pik3c2b	0.02474217	0.02298133	0.02647715	-0.0034958	0.73076461	0.89054584
Tmem63a	0.19107934	0.19767848	0.20117754	-0.0034991	0.53229197	0.89054584
Ly75	0.01737161	0.01509003	0.01859024	-0.0035002	0.80980977	0.89054584
Gm29019	0.01240815	0.00977604	0.01327874	-0.0035027	0.89045444	0.9171534
Brinp1	0.01500174	0.01255076	0.01605422	-0.0035035	0.84535294	0.89825055
Scml2	0.02086867	0.0188285	0.02233237	-0.0035039	0.76760164	0.89054584
Apobec4	0.01244033	0.00980135	0.01331319	-0.0035118	0.89045739	0.9171534

Lrrc36	0.01035343	0.00756529	0.0110799	-0.0035146	0.93027518	0.94460916
Gm26739	0.01144935	0.00873516	0.01225269	-0.0035175	0.90947005	0.92980021
Ugt2b36	0.01446692	0.0119618	0.0154819	-0.0035201	0.8552678	0.90089862
A430105J06F	0.0553047	0.05564655	0.05916911	-0.0035226	0.60924984	0.89054584
Gm9530	0.01209192	0.00941765	0.01294034	-0.0035227	0.89765141	0.9219206
Syn3	0.01430947	0.01177825	0.0153134	-0.0035352	0.85893227	0.90131997
Gm38393	0.01030546	0.00749317	0.01102857	-0.0035354	0.93234711	0.94598421
B230354K17	0.26248555	0.26912894	0.2726659	-0.003537	0.52409527	0.89054584
Gpr146	0.03389819	0.03273254	0.03627346	-0.0035409	0.67537109	0.89054584
Slc7a11	0.00931829	0.00642663	0.00997214	-0.0035455	0.9511845	0.95999115
Fn3k	0.0113935	0.008646	0.01219293	-0.0035469	0.91233723	0.93174592
Gm27003	0.01234689	0.00966482	0.01321319	-0.0035484	0.89455957	0.91974503
Pde6c	0.01091743	0.00813428	0.01168346	-0.0035492	0.92150768	0.93827146
Stc1	0.05859718	0.05913886	0.06268932	-0.0035505	0.60405718	0.89054584
Depdc5	0.10499129	0.10860761	0.11215817	-0.0035506	0.5586262	0.89054584
Apobr	0.02315051	0.02122322	0.02477404	-0.0035508	0.74785609	0.89054584
Gm13420	0.01166886	0.00892412	0.0124876	-0.0035635	0.90815549	0.92884926
Pcdhga2	0.0565734	0.05696155	0.06052561	-0.0035641	0.60808917	0.89054584
Slc25a47	0.01631363	0.01389397	0.01745809	-0.0035641	0.82923273	0.89271673
Rab9b	0.0112408	0.00846356	0.01202952	-0.003566	0.91637127	0.93454915
A630023P12	0.01477496	0.01224553	0.01581154	-0.003566	0.85331145	0.90008483
Zfp39	0.0302937	0.02884967	0.03241708	-0.0035674	0.69592071	0.89054584
Rassf10	0.10874504	0.11252985	0.11609887	-0.003569	0.55694233	0.89054584
Tmem130	0.01475361	0.01221548	0.01578869	-0.0035732	0.85414696	0.90035231
F8	0.01740084	0.01504685	0.01862152	-0.0035747	0.81443309	0.89054584
Proc	0.03017138	0.02871071	0.03228622	-0.0035755	0.69705526	0.89054584
Nt5c3b	0.56731104	0.54442251	0.54799804	-0.0035755	0.51212526	0.89054584
Pikfyve	0.1306514	0.13541357	0.13899218	-0.0035786	0.54773978	0.89054584
Nr1d2	0.0613166	0.06201672	0.06559651	-0.0035798	0.60034924	0.89054584
6430571L13F	0.01667203	0.01426137	0.01784162	-0.0035802	0.82508054	0.89156706

Ctdp1	0.16004009	0.16583708	0.16941799	-0.0035809	0.53922194	0.89054584
Tcp11l2	0.36167592	0.36435596	0.36793766	-0.0035817	0.51808687	0.89054584
C230037L18F	0.02723614	0.02556235	0.02914566	-0.0035833	0.71660765	0.89054584
Nhlrc1	0.0321378	0.03080609	0.03439009	-0.003584	0.68635177	0.89054584
Cpeb1	0.01216464	0.00943406	0.01301815	-0.0035841	0.90019691	0.92318418
Fgd3	0.01885095	0.01658863	0.02017326	-0.0035846	0.79612458	0.89054584
Il4ra	0.08761158	0.09010365	0.09368873	-0.0035851	0.57074769	0.89054584
Pip4k2a	0.10469673	0.10826157	0.11184873	-0.0035872	0.55938858	0.89054584
Suv39h2	0.05790281	0.05835968	0.06194695	-0.0035873	0.60634036	0.89054584
Cfap57	0.01697797	0.01457998	0.01816901	-0.003589	0.82129355	0.89054584
Fancf	0.04476179	0.04430496	0.04789445	-0.0035895	0.63651852	0.89054584
Mtx3	0.08996562	0.09261023	0.09620177	-0.0035915	0.56904123	0.89054584
Hist4h4	0.02140859	0.01931771	0.02291011	-0.0035924	0.7674708	0.89054584
Rundc3b	0.02330849	0.02134479	0.02494309	-0.0035983	0.74924042	0.89054584
Elk1	0.09676461	0.09985917	0.1034579	-0.0035987	0.56437024	0.89054584
Dars	0.98853926	0.82497287	0.82857805	-0.0036052	0.50808651	0.89054584
Mical1	0.06919912	0.07041415	0.07402148	-0.0036073	0.58980627	0.89054584
3110001l22R	0.0422015	0.04154512	0.04515594	-0.0036108	0.64525625	0.89054584
Wdr49	0.03225445	0.03090174	0.03451489	-0.0036131	0.68712434	0.89054584
Pigs	0.47985417	0.47090168	0.47451872	-0.003617	0.51416465	0.89054584
Cdh4	0.02975805	0.02821992	0.03184398	-0.0036241	0.70202034	0.89054584
Atxn1l	0.17515439	0.18130062	0.18493219	-0.0036316	0.53644802	0.89054584
Gm4792	0.01043594	0.00753515	0.01116819	-0.003633	0.93518538	0.94786896
Rpl27-ps3	0.80060821	0.71534135	0.71897742	-0.0036361	0.50939885	0.89054584
Prtg	0.01180996	0.0089944	0.0126386	-0.0036442	0.91042127	0.93051023
Tmem221	0.02676154	0.02499297	0.02863786	-0.0036449	0.72339866	0.89054584
Krt1	0.09987565	0.10313023	0.10677704	-0.0036468	0.56321253	0.89054584
Ppp2r3c	0.28291565	0.28904022	0.29268878	-0.0036486	0.52315627	0.89054584
Wdr19	0.06471888	0.06558371	0.06923326	-0.0036495	0.59700032	0.89054584
Ercc6l	0.03076443	0.02926669	0.03292072	-0.003654	0.69746314	0.89054584

F5	0.01479122	0.01217386	0.01582894	-0.0036551	0.85899226	0.90131997
Chuk	0.497329	0.48592485	0.48958219	-0.0036573	0.5138819	0.89054584
Gm14286	0.02880785	0.02716948	0.03082733	-0.0036579	0.70980427	0.89054584
Fastkd5	0.0674654	0.0685104	0.07216869	-0.0036583	0.59334792	0.89054584
Sorbs2	0.51750279	0.50307796	0.50673881	-0.0036609	0.51342497	0.89054584
Zfp367	0.06635285	0.06731573	0.07097966	-0.0036639	0.59502538	0.89054584
Naa30	0.15142947	0.15687335	0.16053822	-0.0036649	0.54235061	0.89054584
Zfp93	0.09009856	0.09267292	0.09634367	-0.0036708	0.57044554	0.89054584
Draxin	0.01577073	0.01320052	0.01687713	-0.0036766	0.84493053	0.89801355
Spats2	0.20282477	0.20941357	0.21309046	-0.0036769	0.53203661	0.89054584
Gm6594	0.02582514	0.02395771	0.02763592	-0.0036782	0.73239845	0.89054584
Tfeb	0.02918698	0.02755326	0.03123298	-0.0036797	0.70846065	0.89054584
Gucy2c	0.02176364	0.01960947	0.02329003	-0.0036806	0.76921353	0.89054584
Txndc11	0.4161673	0.41439075	0.41807278	-0.003682	0.51636478	0.89054584
Sema4a	0.08981418	0.0923486	0.0960401	-0.0036915	0.57106094	0.89054584
Alpl	0.01164086	0.00875872	0.01245764	-0.0036989	0.91671852	0.93483379
Ecsit	0.21824419	0.22493881	0.22864051	-0.0037017	0.53006313	0.89054584
Fgfr2	0.11511754	0.1190738	0.12277687	-0.0037031	0.5558747	0.89054584
Tmem91	0.04263521	0.04191402	0.04561984	-0.0037058	0.64745497	0.89054584
Kcnip4	0.01529146	0.01265777	0.01636426	-0.0037065	0.85434355	0.90042693
Mlf1	0.09627875	0.09923038	0.10293947	-0.0037091	0.56665715	0.89054584
4930480K23I	0.019471	0.01712702	0.02083677	-0.0037098	0.79658138	0.89054584
Bmp7	0.11626419	0.12026531	0.1239769	-0.0037116	0.55546382	0.89054584
Gm9920	0.01978141	0.01745064	0.02116893	-0.0037183	0.79341752	0.89054584
Gm26759	0.04153389	0.04071664	0.04444182	-0.0037252	0.65192369	0.89054584
2900009J06F	0.01141156	0.00848288	0.01221225	-0.0037294	0.92259474	0.93917838
Cntnap2	0.01625292	0.01366319	0.01739312	-0.0037299	0.84112789	0.89613993
Sardh	0.08005897	0.08189279	0.08562371	-0.0037309	0.58043487	0.89054584
Dnase1l2	0.01077676	0.00779823	0.01153292	-0.0037347	0.93431241	0.94723402
1700064M15	0.01091813	0.00794866	0.01168421	-0.0037356	0.93182308	0.94571726

Pde4a	0.08253654	0.08453191	0.08826974	-0.0037378	0.578198	0.89054584
Rab39	0.01594316	0.01332221	0.01706165	-0.0037394	0.84639913	0.89825055
Zswim5	0.01143036	0.0084927	0.01223237	-0.0037397	0.922824	0.93934581
Tmtc3	0.14344792	0.14854016	0.15228165	-0.0037415	0.54556663	0.89054584
Ptpn1	0.58856073	0.56136747	0.56511289	-0.0037454	0.51231667	0.89054584
Sh3tc2	0.00959464	0.00652222	0.01026788	-0.0037457	0.95539274	0.96336653
Lgi3	0.01999296	0.01764951	0.0213953	-0.0037458	0.79265444	0.89054584
Lrriq3	0.01123244	0.0082706	0.01202057	-0.00375	0.92694562	0.94249387
Zfp365	0.02064792	0.01834581	0.02209615	-0.0037503	0.78545632	0.89054584
Gm9938	0.01099806	0.00801893	0.01176974	-0.0037508	0.93119175	0.94534961
Mbl2	0.0437122	0.04301991	0.04677181	-0.0037519	0.64569616	0.89054584
Angpt2	0.08211824	0.08406932	0.08782303	-0.0037537	0.57891994	0.89054584
Zfp677	0.05328355	0.05325239	0.05700797	-0.0037556	0.62054881	0.89054584
Camkmt	0.01592225	0.01328247	0.01703927	-0.0037568	0.84783672	0.89862623
Nup155	0.11827794	0.12232494	0.1260832	-0.0037583	0.55522458	0.89054584
Tapt1	0.13101009	0.13560346	0.13936555	-0.0037621	0.55004115	0.89054584
Sphk1	0.09885148	0.10191509	0.10568444	-0.0037694	0.56598698	0.89054584
Wif1	0.02939441	0.02767892	0.03145491	-0.003776	0.71201471	0.89054584
Cetn4	0.14009503	0.14502919	0.14880574	-0.0037766	0.54706111	0.89054584
Creg2	0.01254248	0.00964474	0.0134225	-0.0037778	0.90511451	0.9266542
G430095P16	0.02261901	0.02042037	0.02420532	-0.0037849	0.76684965	0.89054584
Pcdhgc5	0.01609394	0.01343793	0.017223	-0.0037851	0.84705612	0.89842854
Lypd6	0.014329	0.0115467	0.01533431	-0.0037876	0.87508653	0.90836342
Rhbdl2	0.03448784	0.0331156	0.03690429	-0.0037887	0.68378166	0.89054584
Fut1	0.02428341	0.02219746	0.02598627	-0.0037888	0.75151846	0.89054584
Sigirr	0.09664132	0.09953699	0.10332634	-0.0037894	0.56783328	0.89054584
Dph2	0.09784061	0.10081306	0.10460595	-0.0037929	0.56707317	0.89054584
Slc16a5	0.01544615	0.01273664	0.01652979	-0.0037931	0.8574884	0.9009252
Pecr	0.30001914	0.30550213	0.30929699	-0.0037949	0.52279193	0.89054584
Wdr81	0.01691933	0.01431136	0.01810626	-0.0037949	0.83558414	0.89459411

Zfp59	0.01927723	0.01683254	0.02062942	-0.0037969	0.80441198	0.89054584
Arhgef4	0.0297443	0.02803227	0.03182927	-0.003797	0.71081873	0.89054584
Mtfr2	0.01061426	0.00755934	0.01135902	-0.0037997	0.9404371	0.95172812
Mmachc	0.08321429	0.08518475	0.08899352	-0.0038088	0.57902285	0.89054584
Pgam5	0.38170411	0.38274288	0.38655567	-0.0038128	0.5183263	0.89054584
Gm17634	0.01614038	0.01345464	0.0172727	-0.0038181	0.84845709	0.89883797
Cmklr1	0.01472578	0.01194061	0.01575891	-0.0038183	0.87051645	0.90594699
Slc36a4	0.04637793	0.04579989	0.04962299	-0.0038231	0.64017963	0.89054584
Syce1	0.02754875	0.02565496	0.02948015	-0.0038252	0.7272509	0.89054584
Ptpn4	0.14696183	0.15209212	0.15591974	-0.0038276	0.54552812	0.89054584
9030407P20I	0.01123389	0.0081886	0.01202213	-0.0038335	0.93130885	0.94537357
Gm10848	0.01590123	0.01317744	0.01701678	-0.0038393	0.85340603	0.90009317
Hs6st3	0.01086591	0.00778687	0.01162833	-0.0038415	0.93810958	0.95016738
Scx	0.02511402	0.02303108	0.02687503	-0.0038439	0.74741287	0.89054584
Panx2	0.00927956	0.00608565	0.0099307	-0.003845	0.96437542	0.97046678
Eps8l1	0.03573765	0.03439397	0.03824136	-0.0038474	0.68036802	0.89054584
D930048N14	0.01040533	0.00728675	0.01113544	-0.0038487	0.94632797	0.95608801
Gm26778	0.01381711	0.01093726	0.01478652	-0.0038493	0.88740136	0.9152899
Apcs	0.01666928	0.01398865	0.01783867	-0.00385	0.8426751	0.89719494
Hist1h2ak	0.01085545	0.00776703	0.01161713	-0.0038501	0.93871179	0.95044651
Phf19	0.01973191	0.01726391	0.02111596	-0.0038521	0.80230998	0.89054584
Ldhd	0.02726834	0.02532702	0.02918012	-0.0038531	0.73078592	0.89054584
Cmtr2	0.02544413	0.02337212	0.02722825	-0.0038561	0.74531215	0.89054584
Tatdn3	0.06982581	0.07083059	0.07469117	-0.0038606	0.59514789	0.89054584
Sostdc1	0.01983452	0.01736461	0.02122576	-0.0038612	0.80164239	0.89054584
Optn	0.10097715	0.10407724	0.10793844	-0.0038612	0.5661815	0.89054584
Kcnn4	0.02714608	0.0251832	0.0290493	-0.0038661	0.73238683	0.89054584
1700010I14R	0.01561448	0.01283837	0.01670993	-0.0038716	0.85980422	0.90132889
Gm8898	0.01149261	0.00842053	0.01229899	-0.0038785	0.92910879	0.94382141
Gpt	0.03888087	0.03772504	0.04160389	-0.0038788	0.66798875	0.89054584

Cops7b	0.34939741	0.35253775	0.35641811	-0.0038804	0.52022664	0.89054584
Calr4	0.01478442	0.01194063	0.01582166	-0.003881	0.87344557	0.90763913
Arl10	0.02130809	0.01892095	0.02280257	-0.0038816	0.7861342	0.89054584
Eml6	0.03078655	0.02905994	0.0329444	-0.0038845	0.7086115	0.89054584
4930525G20	0.01083105	0.00770404	0.01159103	-0.003887	0.94089742	0.95204654
Gramd1c	0.04026385	0.03919318	0.04308328	-0.0038901	0.66300136	0.89054584
Lmx1b	0.03673527	0.03540717	0.03930862	-0.0039014	0.6781055	0.89054584
Gm10699	0.0201899	0.01770405	0.02160604	-0.003902	0.79993578	0.89054584
Zfp821	0.16445402	0.17005528	0.17395837	-0.0039031	0.54162648	0.89054584
Gdnf	0.0309388	0.02920369	0.03310728	-0.0039036	0.70860807	0.89054584
1500002C15I	0.02981118	0.02799572	0.03190082	-0.0039051	0.71576939	0.89054584
Rassf8	0.05897243	0.05918287	0.0630905	-0.0039076	0.61354095	0.89054584
Inpp5j	0.02437422	0.02217321	0.02608344	-0.0039102	0.75754683	0.89054584
Vav2	0.06811082	0.068948	0.07285845	-0.0039105	0.5987273	0.89054584
Nup98	0.07056834	0.07157404	0.07548463	-0.0039106	0.59536314	0.89054584
Slc38a9	0.10307262	0.1062256	0.11014197	-0.0039164	0.56578777	0.89054584
Sgsm2	0.1386188	0.14335067	0.14727396	-0.0039233	0.54938652	0.89054584
Ckmt1	0.13815937	0.14287179	0.14679707	-0.0039253	0.54957106	0.89054584
9130008F23I	0.02178051	0.0193769	0.02330808	-0.0039312	0.78400313	0.89054584
Ubash3b	0.07565335	0.0769864	0.08091767	-0.0039313	0.58953459	0.89054584
2600014E21I	0.07381967	0.07502218	0.07895864	-0.0039365	0.59183588	0.89054584
Stim1	0.07361662	0.07480287	0.07874169	-0.0039388	0.59213866	0.89054584
B230369F24I	0.01445457	0.0115261	0.01546868	-0.0039426	0.88247415	0.91236613
Paqr9	0.01107953	0.00791427	0.01185694	-0.0039427	0.93933199	0.95094164
Tet1	0.20093755	0.20723683	0.21118035	-0.0039435	0.53466412	0.89054584
lpo9	0.30542256	0.31056357	0.31451349	-0.0039499	0.5233291	0.89054584
Rsph10b	0.01647841	0.01367798	0.01763442	-0.0039564	0.85205227	0.89988783
Susd1	0.0162592	0.01344333	0.01739984	-0.0039565	0.85528822	0.90089862
Myo15b	0.03343649	0.03182142	0.03577951	-0.0039581	0.69686085	0.89054584
Hdac9	0.01850046	0.0158346	0.01979821	-0.0039636	0.82451812	0.89142971

Vamp1	0.02261819	0.02023902	0.02420444	-0.0039654	0.77735067	0.89054584
Vcpkmt	0.15395097	0.15917317	0.16314153	-0.0039684	0.54511439	0.89054584
Ccdc162	0.02109442	0.01860376	0.02257393	-0.0039702	0.7937172	0.89054584
Slc15a2	0.073612	0.07476158	0.07873676	-0.0039752	0.59297943	0.89054584
Lancl3	0.02330899	0.02096687	0.02494362	-0.0039767	0.77119024	0.89054584
Slc22a15	0.09972254	0.10263103	0.10661371	-0.0039827	0.56908306	0.89054584
Ret	0.13780153	0.14244209	0.14642557	-0.0039835	0.5504291	0.89054584
Cd59b	0.02989484	0.02800685	0.03199033	-0.0039835	0.71908923	0.89054584
Kcnab3os	0.014063	0.01106265	0.01504965	-0.003987	0.89144753	0.91752139
Prkag1	0.66394174	0.61940313	0.6233934	-0.0039903	0.51189524	0.89054584
Lrrc45	0.22819498	0.2346289	0.23861964	-0.0039907	0.53105307	0.89054584
1700008O03	0.02824542	0.02623421	0.03022556	-0.0039913	0.73079631	0.89054584
Zfp715	0.10713315	0.11041236	0.11440734	-0.003995	0.56461691	0.89054584
Atp5sl	0.21411385	0.22048638	0.22448539	-0.003999	0.53307215	0.89054584
Gm28874	0.01660649	0.01377213	0.01777148	-0.0039993	0.85278719	0.89994913
Tmem86b	0.02098979	0.01846088	0.02246197	-0.0040011	0.79669787	0.89054584
Trpm3	0.00990276	0.00659209	0.01059761	-0.0040055	0.96087368	0.96768176
Dhx33	0.10426543	0.10738633	0.11139558	-0.0040092	0.56658257	0.89054584
Slc8a1	0.02427674	0.02196917	0.02597913	-0.00401	0.7639671	0.89054584
2310033P09I	0.44119355	0.43652421	0.44053725	-0.004013	0.51692615	0.89054584
9530053A07I	0.01934316	0.01668437	0.02069997	-0.0040156	0.81694691	0.89054584
Rap2a	0.22564886	0.23205327	0.23607052	-0.0040172	0.53159581	0.89054584
Ccl27a	0.35463461	0.35732417	0.36134158	-0.0040174	0.5206553	0.89054584
Gm37276	0.00977148	0.00643704	0.01045713	-0.0040201	0.96335828	0.96957781
Atad3aos	0.03153083	0.02971471	0.0337407	-0.004026	0.7108647	0.89054584
Usp47	0.52230054	0.50675222	0.51078148	-0.0040293	0.5146585	0.89054584
Nhlrc3	0.09352478	0.09597027	0.10000062	-0.0040304	0.57447183	0.89054584
Prkg1	0.02335154	0.02095817	0.02498915	-0.004031	0.77383331	0.89054584
Gm1976	0.01786916	0.0150912	0.01912266	-0.0040315	0.83700039	0.89476711
Neu3	0.02757582	0.02547706	0.02950911	-0.0040321	0.73780271	0.89054584

Gm20406	0.01124864	0.00800331	0.0120379	-0.0040346	0.94079453	0.95202339
Pcdhb16	0.01582501	0.01289631	0.01693522	-0.0040389	0.86674148	0.90430169
Tbc1d2	0.02270161	0.02025462	0.0242937	-0.0040391	0.78071144	0.89054584
Bcas1os1	0.01616655	0.01325987	0.0173007	-0.0040408	0.86173844	0.90244755
Calca	0.04116923	0.04000074	0.04405176	-0.004051	0.66583403	0.89054584
Phf21a	0.55031579	0.53004242	0.53409811	-0.0040557	0.51411076	0.89054584
Vwa2	0.01068201	0.00737293	0.01143153	-0.0040586	0.95094522	0.9598833
4933407L21F	0.00931875	0.0059106	0.00997263	-0.004062	0.97113013	0.97617744
Pla2g7	0.01371567	0.01060662	0.01467797	-0.0040714	0.90187163	0.92431323
Rgn	0.02088232	0.01827461	0.02234697	-0.0040724	0.80206351	0.89054584
Tmem178b	0.09288043	0.09523747	0.09931293	-0.0040755	0.57581046	0.89054584
4732491K20I	0.07393015	0.07500019	0.07907668	-0.0040765	0.59490202	0.89054584
Sirt4	0.15947893	0.16476283	0.16884018	-0.0040774	0.54479032	0.89054584
Tcn2	0.45530355	0.44896445	0.45304305	-0.0040786	0.5167279	0.89054584
AA386476	0.02834677	0.02625468	0.030334	-0.0040793	0.73451802	0.89054584
Gm5239	0.01937248	0.01664712	0.02073134	-0.0040842	0.82064953	0.89054584
Zfp236	0.05203836	0.05158539	0.05567646	-0.0040911	0.63395106	0.89054584
Coq3	0.08692432	0.08886307	0.09295498	-0.0040919	0.58124834	0.89054584
Rccd1	0.05502089	0.05477116	0.05886565	-0.0040945	0.62705375	0.89054584
Wfdc16	0.03161225	0.02973102	0.03382781	-0.0040968	0.71370117	0.89054584
Nphp1	0.27944973	0.28520916	0.28930627	-0.0040971	0.52630279	0.89054584
Zcchc11	0.87642622	0.76210506	0.76620583	-0.0041008	0.50994654	0.89054584
Ccdc67	0.01061007	0.00725276	0.01135455	-0.0041018	0.95381492	0.96237794
Efcab11	0.01442209	0.01132917	0.01543392	-0.0041048	0.89234131	0.91811542
Mstn	0.01567933	0.01267361	0.01677932	-0.0041057	0.87285498	0.90729956
Reep3	0.31342567	0.31810264	0.32221321	-0.0041106	0.52369742	0.89054584
1810062G17	0.01947505	0.01672921	0.0208411	-0.0041119	0.82100338	0.89054584
Mtcp1	0.04810643	0.04735843	0.05147162	-0.0041132	0.64516703	0.89054584
Actl6b	0.17086826	0.17642727	0.18054219	-0.0041149	0.54228286	0.89054584
Fancg	0.08229275	0.08389405	0.0880094	-0.0041153	0.58622837	0.89054584

Csf3	0.01306987	0.00986366	0.01398687	-0.0041232	0.91518866	0.93386861
Gm10451	0.04249714	0.04134816	0.04547216	-0.004124	0.66368168	0.89054584
A430106G13	0.01523057	0.01217412	0.0162991	-0.004125	0.88081766	0.91173336
Rpia	0.43913302	0.43457523	0.43870161	-0.0041264	0.51747665	0.89054584
Myo19	0.01976494	0.01702077	0.0211513	-0.0041305	0.81854166	0.89054584
Zufsp	0.19540675	0.20143928	0.20557358	-0.0041343	0.53732472	0.89054584
Nxpe3	0.03306699	0.03122487	0.03538421	-0.0041593	0.70803337	0.89054584
Phf1	0.15763098	0.16277359	0.16693654	-0.0041629	0.54624563	0.89054584
Klhdc7a	0.00929582	0.00577862	0.0099481	-0.0041695	0.97457063	0.97870298
Megf8	0.0953691	0.09779727	0.10196881	-0.0041715	0.57557949	0.89054584
Kbtbd8	0.01515311	0.0120439	0.01621621	-0.0041723	0.8846799	0.91399482
Gm15952	0.01471818	0.01157103	0.01575078	-0.0041798	0.89183295	0.91778777
Sall4	0.04811621	0.04730212	0.05148208	-0.00418	0.64738544	0.89054584
4930532G15	0.01996472	0.01718356	0.02136508	-0.0041815	0.81907226	0.89054584
Wdr4	0.12856305	0.13263296	0.13681739	-0.0041844	0.55665321	0.89054584
Carnmt1	0.36055842	0.36270192	0.36689263	-0.0041907	0.52121977	0.89054584
Pld6	0.0141657	0.0109655	0.01515955	-0.004194	0.90129127	0.92417574
Gm26852	0.02305718	0.02047814	0.02467417	-0.004196	0.78590411	0.89054584
Arhgap39	0.12386819	0.12772104	0.13192238	-0.0042013	0.55897607	0.89054584
Paqr6	0.02689763	0.02457814	0.02878347	-0.0042053	0.75196344	0.89054584
Clcn4	0.58062119	0.55454123	0.55875283	-0.0042116	0.51400668	0.89054584
Tmem220	0.04637066	0.04540257	0.04961522	-0.0042126	0.65379029	0.89054584
Galc	0.04746503	0.04657148	0.05078565	-0.0042142	0.65047289	0.89054584
Entpd7	0.2106644	0.21678968	0.22100944	-0.0042198	0.53544061	0.89054584
Rad54l	0.03928476	0.03781157	0.04203594	-0.0042244	0.68017815	0.89054584
Hmgcll1	0.04254487	0.04129883	0.04552321	-0.0042244	0.66725013	0.89054584
Wfdc3	0.02082716	0.01806227	0.02228795	-0.0042257	0.81146619	0.89054584
Sel1l3	0.01566346	0.01253554	0.01676233	-0.0042268	0.87996278	0.91137745
ltpka	0.01969968	0.01685452	0.02108147	-0.004227	0.8248852	0.89153749
Tmem150c	0.09717528	0.09966587	0.10389608	-0.0042302	0.57522485	0.89054584

Adat2	0.12923783	0.13328425	0.13752028	-0.004236	0.55705596	0.89054584
Lmnb2	0.17354148	0.17903992	0.18328109	-0.0042412	0.54292641	0.89054584
Gm28535	0.01042168	0.00691024	0.01115294	-0.0042427	0.96182874	0.96837452
Fbp1	0.05122324	0.05056208	0.05480481	-0.0042427	0.64082818	0.89054584
Acad9	0.18646997	0.19223441	0.19648628	-0.0042519	0.5401523	0.89054584
Paqr5	0.01618496	0.01306207	0.0173204	-0.0042583	0.87398404	0.90773126
6430573P05I	0.01437845	0.01112516	0.01538723	-0.0042621	0.90155584	0.92418557
Gng10	0.03666189	0.03496161	0.03923012	-0.0042685	0.69389625	0.89054584
Prob1	0.01476146	0.01152784	0.01579709	-0.0042693	0.89600375	0.92096862
Gm17146	0.01962567	0.01673027	0.02100227	-0.004272	0.82834893	0.89229532
Paqr3	0.02281339	0.02014078	0.02441331	-0.0042725	0.79256493	0.89054584
Gprc5a	0.02091464	0.01810637	0.02238156	-0.0042752	0.81324655	0.89054584
Mamld1	0.14820718	0.15293181	0.15720793	-0.0042761	0.55042104	0.89054584
Clcnkb	0.00856025	0.00488429	0.00916092	-0.0042766	0.9851832	0.98749904
Atg7	0.13015537	0.13419365	0.13847577	-0.0042821	0.55727726	0.89054584
Slc17a4	0.01940622	0.01648194	0.02076745	-0.0042855	0.83182571	0.8933762
Gm13075	0.03006715	0.02788058	0.03217469	-0.0042941	0.73296144	0.89054584
Cyp2j5	0.00911627	0.00546082	0.00975595	-0.0042951	0.97987296	0.98311155
Gulo	0.02002341	0.01712764	0.02142789	-0.0043002	0.82509986	0.89156706
Nat9	0.35085054	0.35348162	0.35778568	-0.0043041	0.5223473	0.89054584
Rtnn	0.02020621	0.01731794	0.02162349	-0.0043056	0.82320876	0.89080883
Tmigd3	0.03476652	0.0328962	0.03720244	-0.0043062	0.70515321	0.89054584
Cidea	0.01343698	0.01007319	0.01437973	-0.0043065	0.91853615	0.93590112
BC017158	0.09290623	0.09503311	0.09934048	-0.0043074	0.58004548	0.89054584
Tmem168	0.30754385	0.31224619	0.31655734	-0.0043112	0.52529572	0.89054584
Oit1	0.0398792	0.03835667	0.04267182	-0.0043151	0.68122647	0.89054584
Hpca	0.05741189	0.05710407	0.06142209	-0.004318	0.62836526	0.89054584
Ttpa	0.01305743	0.00965484	0.01397356	-0.0043187	0.9250534	0.94128468
3222401L13F	0.04936006	0.04848539	0.05281232	-0.0043269	0.6486614	0.89054584
Hspbap1	0.12219774	0.12584641	0.13017878	-0.0043324	0.56160911	0.89054584

Lacc1	0.02507275	0.02249486	0.02683087	-0.004336	0.77424795	0.89054584
Pnma1	0.01359397	0.01021133	0.01454773	-0.0043364	0.91754413	0.93505805
Gen1	0.01378562	0.01041323	0.01475282	-0.0043396	0.91472561	0.93359323
Kctd2	0.08268531	0.0840848	0.08842862	-0.0043438	0.59051038	0.89054584
A330009N23	0.0321936	0.03010437	0.03444979	-0.0043454	0.72162285	0.89054584
Wdr78	0.0366885	0.03491243	0.03925858	-0.0043462	0.69699329	0.89054584
Slc6a17	0.02778596	0.02538549	0.02973396	-0.0043485	0.75217494	0.89054584
Tap2	0.14726033	0.15187386	0.15622856	-0.0043547	0.55166255	0.89054584
Aire	0.02682724	0.0243533	0.02870815	-0.0043549	0.76013375	0.89054584
Pih1d1	0.43259653	0.42850475	0.43286183	-0.0043571	0.51870183	0.89054584
Tlr3	0.02480427	0.02218078	0.02654359	-0.0043628	0.77809136	0.89054584
Has3	0.00910474	0.00537951	0.00974361	-0.0043641	0.9815427	0.98459877
C030039L03F	0.06466346	0.06480958	0.06917403	-0.0043645	0.61560203	0.89054584
Taco1os	0.01779869	0.01468117	0.01904725	-0.0043661	0.85722644	0.9009252
A430046D13	0.02065875	0.01773907	0.02210774	-0.0043687	0.82138188	0.89054584
Map2k7	0.35926517	0.36131307	0.36568238	-0.0043693	0.52219639	0.89054584
Sipa1l2	0.03885633	0.03720517	0.04157764	-0.0043725	0.68791622	0.89054584
Add2	0.01532631	0.01202696	0.01640155	-0.0043746	0.89299691	0.91859438
Ntn4	0.02174969	0.01889914	0.02327511	-0.004376	0.80946598	0.89054584
Arhgap6	0.02864093	0.02627258	0.03064874	-0.0043762	0.7470465	0.89054584
Snip1	0.25183797	0.25777498	0.26215219	-0.0043772	0.53100296	0.89054584
Gm16845	0.03747104	0.03571851	0.04009573	-0.0043772	0.6944883	0.89054584
Ankle2	0.22386891	0.2299093	0.23428674	-0.0043774	0.5346834	0.89054584
Mmp24	0.01375679	0.01033858	0.01472197	-0.0043834	0.91730565	0.93505805
A430073D23	0.00783018	0.0039946	0.00837963	-0.004385	0.99261572	0.99439903
Scn1b	0.0156815	0.01239481	0.01678164	-0.0043868	0.88836481	0.91584392
Zfp524	0.18958329	0.19526862	0.19965591	-0.0043873	0.54077119	0.89054584
1810009A15	0.03262065	0.03051223	0.03490668	-0.0043944	0.72123698	0.89054584
Gnb3	0.0181822	0.01506175	0.01945765	-0.0043959	0.85372734	0.90035231
Cyp46a1	0.00742788	0.00354914	0.00794911	-0.0044	0.99504287	0.99607343

Lrsam1	0.04827243	0.0472461	0.05164916	-0.0044031	0.65437945	0.89054584
Fam83g	0.04605432	0.04486704	0.04927688	-0.0044098	0.66163663	0.89054584
Ccdc159	0.02892265	0.02653793	0.03095016	-0.0044122	0.74671083	0.89054584
Mybl2	0.06341751	0.06342799	0.06784226	-0.0044143	0.61910903	0.89054584
Taf9b	0.19764866	0.20343359	0.20784787	-0.0044143	0.5394097	0.89054584
Ccdc28a	0.09107288	0.09296353	0.09738368	-0.0044202	0.58373779	0.89054584
Dtx3l	0.0406939	0.03911938	0.0435433	-0.0044239	0.68201463	0.89054584
Phkb	0.27249493	0.27807207	0.28250109	-0.004429	0.5291138	0.89054584
Gsdmd	0.10412341	0.10681535	0.11124634	-0.004431	0.57360799	0.89054584
Sufu	0.09398842	0.09606071	0.10049543	-0.0044347	0.58144524	0.89054584
Gm14326	0.04611219	0.04490216	0.04933877	-0.0044366	0.66236919	0.89054584
Fam46d	0.01406623	0.0106116	0.01505311	-0.0044415	0.91538005	0.93399009
Pars2	0.05442284	0.05378128	0.05822619	-0.0044449	0.63895123	0.89054584
Fzd8	0.01908183	0.01597009	0.02042032	-0.0044502	0.84502567	0.89804883
Ap3m2	0.09090013	0.09274513	0.09719929	-0.0044542	0.58453003	0.89054584
Noxo1	0.06421684	0.06423914	0.06869665	-0.0044575	0.61879003	0.89054584
Dcaf12l1	0.09250477	0.09445177	0.09891201	-0.0044602	0.58319947	0.89054584
Dagla	0.01530834	0.01192181	0.01638231	-0.0044605	0.897693	0.9219206
Srr	0.14308456	0.14743893	0.15190517	-0.0044662	0.55447654	0.89054584
Dock5	0.00966477	0.00587637	0.01034293	-0.0044666	0.97788731	0.98147526
Pus7l	0.08849698	0.09016485	0.09463397	-0.0044691	0.58707237	0.89054584
Gm9242	0.04804405	0.04692989	0.05140491	-0.004475	0.65747481	0.89054584
Pxmp2	0.02363418	0.02081424	0.02529158	-0.0044773	0.79524825	0.89054584
Pms1	0.01979833	0.01670913	0.02118703	-0.0044779	0.83760766	0.89485554
Dnajc27	0.02233813	0.01940547	0.02390476	-0.0044993	0.8097277	0.89054584
Plin5	0.02251704	0.01959568	0.02409621	-0.0045005	0.80789501	0.89054584
Zpbp2	0.02808321	0.0255509	0.030052	-0.0045011	0.75734949	0.89054584
Myo5c	0.02317324	0.0202941	0.02479836	-0.0045043	0.80128756	0.89054584
Cenpu	0.04105989	0.03942986	0.04393479	-0.0045049	0.68357285	0.89054584
Kcnk12	0.02795611	0.025411	0.02991601	-0.004505	0.75853035	0.89054584

Ccbl1	0.05033576	0.04934612	0.05385575	-0.0045096	0.65177541	0.89054584
Tmem120b	0.04314693	0.04165672	0.04616719	-0.0045105	0.67550745	0.89054584
Fzd5	0.02752391	0.02494136	0.02945357	-0.0045122	0.76230512	0.89054584
Gad1	0.13362472	0.13757148	0.14208568	-0.0045142	0.55883615	0.89054584
Gm26619	0.03133557	0.02900827	0.03353179	-0.0045235	0.73516267	0.89054584
ErbB3	0.06772676	0.06791721	0.072448	-0.0045308	0.61461343	0.89054584
Fgf1	0.04147327	0.03984234	0.04437697	-0.0045346	0.68298794	0.89054584
Hinfp	0.0315659	0.02923948	0.03377822	-0.0045387	0.73434825	0.89054584
Pou5f1	0.02268104	0.01973217	0.02427169	-0.0045395	0.80822104	0.89054584
Stk32b	0.04563182	0.04427457	0.04882499	-0.0045504	0.66793074	0.89054584
Gm12454	0.02166662	0.01863576	0.02318622	-0.0045505	0.81973372	0.89054584
Ddx11	0.02608891	0.02336467	0.02791816	-0.0045535	0.77633687	0.89054584
Fzd7	0.07502594	0.0756886	0.08024739	-0.0045588	0.60436853	0.89054584
Pcdhb21	0.01951928	0.0163248	0.02088843	-0.0045636	0.84562994	0.89825055
Gm2115	0.09606916	0.09814937	0.10271583	-0.0045665	0.58204338	0.89054584
Ranbp6	0.11515076	0.11824371	0.12281165	-0.0045679	0.56878735	0.89054584
4932422M17	0.07450613	0.07512283	0.07969205	-0.0045692	0.60531349	0.89054584
Rtel1	0.04673133	0.04542893	0.05000095	-0.004572	0.66494871	0.89054584
Helq	0.07266728	0.07315496	0.07772738	-0.0045724	0.60798423	0.89054584
Zfp955a	0.03806041	0.03614608	0.04072621	-0.0045801	0.69984367	0.89054584
Mkfn2os	0.05686178	0.05624631	0.06083394	-0.0045876	0.6373339	0.89054584
Fam103a1	1.17750084	0.91612159	0.92071338	-0.0045918	0.50926864	0.89054584
Gm16536	0.02771803	0.02506489	0.02966128	-0.0045964	0.76484105	0.89054584
Fancb	0.04086874	0.03913383	0.04373033	-0.0045965	0.68782757	0.89054584
Gm14703	0.0319985	0.02964234	0.03424105	-0.0045987	0.73424889	0.89054584
Zfp619	0.01875396	0.0154682	0.02006948	-0.0046013	0.85727234	0.9009252
Pkp3	0.09018367	0.09182141	0.09643452	-0.0046131	0.58818112	0.89054584
1110035H17	0.0225759	0.01954288	0.02415919	-0.0046163	0.81332752	0.89054584
AA986860	0.02288221	0.01986818	0.02448696	-0.0046188	0.81023912	0.89054584
Gm2861	0.03629716	0.03421323	0.03883993	-0.0046267	0.71054697	0.89054584

Klhdc8a	0.04599524	0.04458401	0.04921369	-0.0046297	0.66940842	0.89054584
Atp6v1c1	0.76449457	0.69038057	0.69501415	-0.0046336	0.51238943	0.89054584
Bdp1	0.51235593	0.49775236	0.50238617	-0.0046338	0.51713815	0.89054584
Gm684	0.03575007	0.03361767	0.03825465	-0.004637	0.71387035	0.89054584
Mmaa	0.12336665	0.12676087	0.13139899	-0.0046381	0.56531205	0.89054584
Ssh3	0.11468077	0.11767796	0.12231964	-0.0046417	0.5701647	0.89054584
Zfp280c	0.03982166	0.03796672	0.04261027	-0.0046436	0.69417483	0.89054584
Al429214	0.02377955	0.02080207	0.02544713	-0.0046451	0.80245746	0.89054584
AU020206	0.04248704	0.04081624	0.04546136	-0.0046451	0.68297634	0.89054584
Kcnd1	0.01520838	0.01162916	0.01627535	-0.0046462	0.90824167	0.92887188
Slc29a2	0.01294085	0.00920052	0.01384881	-0.0046483	0.94106217	0.95209067
Gm26910	0.04213794	0.04043477	0.04508794	-0.0046532	0.68467543	0.89054584
Tesk2	0.02149176	0.01834412	0.02299911	-0.004655	0.8271503	0.89186561
Pla2g2c	0.01908438	0.01576581	0.02042305	-0.0046572	0.85597713	0.9009252
Tspyl5	0.08835428	0.08982075	0.09448162	-0.0046609	0.59088818	0.89054584
Grhl2	0.04430587	0.04274549	0.04740681	-0.0046613	0.67655771	0.89054584
Ttc39c	0.05471624	0.0538693	0.05853991	-0.0046706	0.64494715	0.89054584
Arhgef39	0.0449567	0.04342853	0.04810291	-0.0046744	0.67462858	0.89054584
Zbtb11os1	0.10349124	0.1059074	0.11058199	-0.0046746	0.57806492	0.89054584
Apba1	0.03575013	0.03357992	0.03825472	-0.0046748	0.71543446	0.89054584
Tmem147os	0.03346953	0.03112982	0.03581486	-0.004685	0.7288864	0.89054584
Car11	0.08572267	0.08698289	0.09167199	-0.0046891	0.59417934	0.89054584
Figl12	0.01317276	0.00940524	0.01409698	-0.0046917	0.93949905	0.95104436
Zkscan4	0.02217207	0.01903528	0.02372708	-0.0046918	0.82154247	0.89054584
Zfp68	0.40289023	0.40131246	0.40601003	-0.0046976	0.52149432	0.89054584
Amigo3	0.01793305	0.014491	0.01919103	-0.0047	0.8730673	0.90740309
Tmem125	0.02569831	0.02280002	0.02750022	-0.0047002	0.78706625	0.89054584
Spr	0.53825998	0.5194177	0.52412593	-0.0047082	0.51669138	0.89054584
Zranb3	0.03565643	0.03344573	0.03815448	-0.0047087	0.71734511	0.89054584
Anxa9	0.0191906	0.01582762	0.02053672	-0.0047091	0.85730806	0.9009252

3110070M22	0.02374317	0.02069378	0.02540821	-0.0047144	0.80633088	0.89054584
Tstd1	0.0185318	0.01511586	0.01983175	-0.0047159	0.86604163	0.90421083
Abtb1	0.17682386	0.1819209	0.18664006	-0.0047192	0.54688718	0.89054584
Napb	0.09695371	0.09893845	0.10365967	-0.0047212	0.58402185	0.89054584
Fcor	0.05802208	0.05734882	0.06207447	-0.0047256	0.6385849	0.89054584
Mfsd7b	0.0273645	0.02454657	0.02928301	-0.0047364	0.77444655	0.89054584
Exph5	0.11551799	0.11844994	0.12319602	-0.0047461	0.5712212	0.89054584
Lrrc46	0.03219028	0.02969954	0.03444623	-0.0047467	0.73956435	0.89054584
Thrb	0.01428388	0.01053623	0.01528602	-0.0047498	0.92614453	0.94206436
Gm27030	0.02383205	0.02074725	0.02550331	-0.0047561	0.80753146	0.89054584
Stk24	0.33489898	0.33795398	0.34271187	-0.0047579	0.52578576	0.89054584
2610002M06	0.30546657	0.30979247	0.31455591	-0.0047634	0.52812291	0.89054584
Snap91	0.0226131	0.01943286	0.02419899	-0.0047661	0.82058742	0.89054584
Tyk2	0.0364065	0.03418656	0.0389569	-0.0047703	0.71582911	0.89054584
Cdyl2	0.12022487	0.12334414	0.12811816	-0.004774	0.5689118	0.89054584
Lurap1	0.03195582	0.02941667	0.03419539	-0.0047787	0.74250098	0.89054584
Gm43949	0.01330246	0.00945578	0.01423578	-0.00478	0.94113218	0.95209067
Pou5f2	0.04806623	0.04664688	0.05142863	-0.0047817	0.66755802	0.89054584
Armc9	0.24462557	0.25020909	0.25500076	-0.0047917	0.53488097	0.89054584
S100z	0.0287338	0.02595548	0.0307481	-0.0047926	0.76613459	0.89054584
9230105E05I	0.02486899	0.02181808	0.02661285	-0.0047948	0.79937445	0.89054584
C230035I16R	0.03139128	0.02879056	0.0335914	-0.0048008	0.7472464	0.89054584
Mss51	0.03068064	0.02802553	0.03283108	-0.0048055	0.75236084	0.89054584
Shisa8	0.02162442	0.0183302	0.02314106	-0.0048109	0.83361761	0.89411764
Gm42997	0.01936558	0.01591276	0.02072396	-0.0048112	0.86028556	0.90144139
Mapk4	0.01452266	0.01072602	0.01554155	-0.0048155	0.92556959	0.94167774
1700066M21	0.04917438	0.04779314	0.05261374	-0.0048206	0.66526083	0.89054584
Rab32	0.03628853	0.03400803	0.03883069	-0.0048227	0.71857984	0.89054584
Ada	0.01852799	0.01500466	0.01982767	-0.004823	0.87144939	0.90646242
Synj2	0.01432248	0.01050309	0.01532733	-0.0048242	0.92872905	0.94362101

Trim39	0.12621385	0.12954102	0.13436898	-0.004828	0.56647192	0.89054584
Zc3h12c	0.05901572	0.05830059	0.06313678	-0.0048362	0.63940484	0.89054584
Rpgrip1l	0.09498539	0.09672253	0.10155936	-0.0048368	0.58779819	0.89054584
Zbtb48	0.08932569	0.09068039	0.09551865	-0.0048383	0.59327866	0.89054584
Pfn4	0.02718488	0.02425069	0.02909082	-0.0048401	0.78087586	0.89054584
Zfp605	0.07048664	0.07055688	0.07539733	-0.0048404	0.61756812	0.89054584
Bmp3	0.012375	0.00840217	0.01324327	-0.0048411	0.95572387	0.9636334
Lemd3	0.04582298	0.04418508	0.04902945	-0.0048444	0.67735984	0.89054584
Gm14410	0.02282001	0.01957526	0.0244204	-0.0048451	0.82235007	0.89073269
Sim1	0.10817963	0.11066027	0.11550563	-0.0048454	0.57747519	0.89054584
Tspyl3	0.06946904	0.06946142	0.07430992	-0.0048485	0.61942911	0.89054584
Shroom1	0.01669479	0.01301745	0.01786597	-0.0048485	0.8969491	0.9215483
Rtl1	0.01324877	0.00932465	0.01417833	-0.0048537	0.94463265	0.95470786
Ccdc113	0.03288132	0.03033142	0.03518556	-0.0048541	0.73980316	0.89054584
lqck	0.01960564	0.0161253	0.02098084	-0.0048555	0.85952927	0.90131997
Rasgef1b	0.0225792	0.01930697	0.02416272	-0.0048557	0.82543098	0.89170439
Jrk	0.09149941	0.09297826	0.09783895	-0.0048607	0.5915207	0.89054584
Nr2f1	0.03427742	0.03181687	0.03667918	-0.0048623	0.73158183	0.89054584
Slc25a43	0.01759168	0.01396227	0.01882573	-0.0048635	0.88562735	0.91420299
Gm17491	0.0313502	0.02868086	0.03354744	-0.0048666	0.75043273	0.89054584
Guca1a	0.06162266	0.06105585	0.06592367	-0.0048678	0.63458346	0.89054584
Il1rap	0.02471949	0.02157747	0.02645288	-0.0048754	0.8047381	0.89054584
Fabp3-ps1	0.02899848	0.02615411	0.03103129	-0.0048772	0.76799044	0.89054584
Rnd2	0.03420045	0.03171765	0.03659683	-0.0048792	0.73274674	0.89054584
Mkrn3	0.05296136	0.05177805	0.05666345	-0.0048854	0.65604178	0.89054584
Erf	0.19170619	0.19692878	0.20181483	-0.004886	0.54490368	0.89054584
Rad54b	0.01887048	0.01530797	0.02019416	-0.0048862	0.87018815	0.90589084
Jpx	0.06566435	0.06535437	0.0702438	-0.0048894	0.62714192	0.89054584
Mpz	0.01062664	0.00648275	0.01137227	-0.0048895	0.97741759	0.98107174
Rab11fip1	0.02966371	0.02684861	0.03174304	-0.0048944	0.76373167	0.89054584

Msx1	0.08073698	0.08145193	0.08634786	-0.0048959	0.60417253	0.89054584
Brat1	0.08000146	0.08066436	0.08556228	-0.0048979	0.60514836	0.89054584
Rragb	0.11198575	0.11459454	0.11949682	-0.0049023	0.57578823	0.89054584
Actr5	0.18022772	0.18521551	0.19011883	-0.0049033	0.54782095	0.89054584
Tmem117	0.02203078	0.01867128	0.02357589	-0.0049046	0.83378301	0.89422888
Ppp1r14d	0.02209017	0.01873226	0.02363944	-0.0049072	0.83325894	0.89393134
Tpra1	0.18051728	0.18550601	0.19041456	-0.0049086	0.54779779	0.89054584
Fam73b	0.11602175	0.11881432	0.12372321	-0.0049089	0.57332664	0.89054584
Gramd1b	0.03709104	0.03477412	0.03968921	-0.0049151	0.71801687	0.89054584
Smarce1	1.23817573	0.94145439	0.94637013	-0.0049157	0.50965344	0.89054584
Dio1	0.05529713	0.05424521	0.05916102	-0.0049158	0.65066653	0.89054584
Enkur	0.02754889	0.02456264	0.0294803	-0.0049177	0.78146994	0.89054584
Mcf2l	0.42317848	0.41948411	0.42440332	-0.0049192	0.52153291	0.89054584
Bloc1s6	0.22570781	0.23120903	0.23612958	-0.0049205	0.53867038	0.89054584
Fam13b	0.14950211	0.15362329	0.15854676	-0.0049235	0.55751729	0.89054584
Cblc	0.05380374	0.05263339	0.05756421	-0.0049308	0.65508084	0.89054584
Zfp229	0.05267523	0.05142587	0.05635749	-0.0049316	0.6582476	0.89054584
Ankrd13d	0.04736534	0.04574491	0.05067904	-0.0049341	0.67494005	0.89054584
Spdef	0.01621539	0.01241717	0.01735296	-0.0049358	0.90744225	0.92844727
Wdr25	0.01905963	0.01546035	0.02039657	-0.0049362	0.87023894	0.90589084
Smc5	0.46266687	0.45457862	0.45952168	-0.0049431	0.51998503	0.89054584
Uckl1os	0.0217805	0.01836141	0.02330807	-0.0049467	0.8386111	0.89497393
Fam110c	0.03395413	0.03138092	0.03633332	-0.0049524	0.73729728	0.89054584
Sgpp2	0.1312117	0.13462129	0.13957539	-0.0049541	0.56567155	0.89054584
1700030J22F	0.02684587	0.0237728	0.02872809	-0.0049553	0.78919113	0.89054584
Gm26843	0.01421731	0.01025819	0.01521478	-0.0049566	0.93546312	0.94807317
Tmco3	0.37233507	0.37291527	0.37787379	-0.0049585	0.52437428	0.89054584
Rwdd4a	0.69529025	0.64151944	0.64648554	-0.0049661	0.51427452	0.89054584
Rapgef6	0.29569546	0.30014539	0.30511227	-0.0049669	0.53022766	0.89054584
Trim9	0.01420821	0.01023705	0.01520505	-0.004968	0.93602449	0.94845422

Per3	0.13184624	0.135265	0.14023572	-0.0049707	0.56558245	0.89054584
Soga3	0.06806599	0.06783573	0.07281054	-0.0049748	0.62488052	0.89054584
Adgrv1	0.03190106	0.02915805	0.0341368	-0.0049788	0.75158736	0.89054584
Uqcc1	0.18701125	0.19205862	0.19703765	-0.004979	0.54685877	0.89054584
Arvcf	0.32194494	0.3253926	0.33037453	-0.0049819	0.52800469	0.89054584
Gpa33	0.03117533	0.028372	0.03336035	-0.0049883	0.75698838	0.89054584
5730559C18I	0.03319711	0.03053337	0.03552341	-0.00499	0.74358883	0.89054584
Clpb	0.26403431	0.26919905	0.27419086	-0.0049918	0.53379726	0.89054584
Inca1	0.02717344	0.02408638	0.02907858	-0.0049922	0.78809976	0.89054584
Igsf9	0.12052921	0.12344106	0.12843613	-0.0049951	0.57189199	0.89054584
Alyref2	0.2670601	0.2721691	0.27716683	-0.0049977	0.5334748	0.89054584
Slc26a6	0.04467208	0.04279828	0.0477985	-0.0050002	0.68700315	0.89054584
Cks1brt	0.02131693	0.01781042	0.02281203	-0.0050016	0.84648802	0.89825055
Npas3	0.06504051	0.06456972	0.06957703	-0.0050073	0.63129831	0.89054584
Zfp623	0.1080999	0.11041184	0.11542198	-0.0050101	0.58013195	0.89054584
Dna2	0.06321983	0.06261576	0.06763096	-0.0050152	0.63513535	0.89054584
Csrnp2	0.04554861	0.04371769	0.048736	-0.0050183	0.68428931	0.89054584
Slco4a1	0.04000522	0.03778771	0.04280663	-0.0050189	0.70755062	0.89054584
Mertk	0.05595962	0.05484734	0.05986937	-0.005022	0.65202977	0.89054584
Ush1g	0.01328835	0.00919714	0.01422068	-0.0050235	0.95009732	0.95922778
Gm7535	0.01829245	0.01454566	0.01957563	-0.00503	0.88436939	0.91373913
Armc7	0.03310892	0.03039638	0.03542906	-0.0050327	0.74595026	0.89054584
Usp31	0.05389816	0.05263031	0.05766517	-0.0050349	0.65791559	0.89054584
Samhd1	0.22776623	0.23315324	0.23819059	-0.0050373	0.5392439	0.89054584
Gucd1	0.20433705	0.20958209	0.21461996	-0.0050379	0.54354207	0.89054584
Msrb2	0.19980517	0.20499386	0.2100335	-0.0050396	0.54450452	0.89054584
Ddias	0.04105047	0.03888506	0.04392472	-0.0050397	0.70351579	0.89054584
Rras	0.14827048	0.152225	0.1572734	-0.0050484	0.55944001	0.89054584
Acnat1	0.01037394	0.00604478	0.01110185	-0.0050571	0.98309038	0.98586892
Gm42893	0.01779307	0.01398264	0.01904124	-0.0050586	0.89208979	0.91798693

Gstt2	0.20478188	0.21001028	0.21506967	-0.0050594	0.54363621	0.89054584
Shd	0.02384741	0.02045205	0.02551974	-0.0050677	0.82256107	0.89073269
2610021A01	0.05384293	0.05253623	0.05760611	-0.0050699	0.65910836	0.89054584
Chtf18	0.06454982	0.06398035	0.06905256	-0.0050722	0.63390695	0.89054584
Tmem190	0.02413544	0.02075356	0.02582794	-0.0050744	0.81999213	0.89054584
Itgb6	0.02162955	0.01807152	0.02314656	-0.005075	0.84649221	0.89825055
Serpinc1	0.02882275	0.02576754	0.03084327	-0.0050757	0.77837012	0.89054584
Aph1c	0.02815404	0.02504969	0.03012778	-0.0050781	0.78385344	0.89054584
Sdr42e1	0.02518389	0.02187012	0.02694979	-0.0050797	0.81006808	0.89054584
Ttc12	0.02633651	0.02310098	0.02818308	-0.0050821	0.79957967	0.89054584
Nipal1	0.1674288	0.17193131	0.17701389	-0.0050826	0.5532084	0.89054584
Cnm4	0.04332347	0.04127199	0.04635602	-0.005084	0.69531169	0.89054584
Dzank1	0.0320342	0.02919025	0.03427925	-0.005089	0.75542234	0.89054584
Ids	0.3759389	0.37612533	0.38121908	-0.0050937	0.52481875	0.89054584
Gm16386	0.02360214	0.02016351	0.0252573	-0.0050938	0.82628752	0.89170439
Plscr1	0.20252753	0.20769355	0.21278971	-0.0050962	0.54442115	0.89054584
Xk	0.0458478	0.04395982	0.049056	-0.0050962	0.68580494	0.89054584
2210408I21R	0.06074606	0.05989035	0.06498659	-0.0050962	0.6425763	0.89054584
Brsk2	0.02391777	0.02049428	0.02559503	-0.0051007	0.82341661	0.89088762
Pidd1	0.01528043	0.01125082	0.01635246	-0.0051016	0.92695683	0.94249387
Cntn1	0.05820635	0.05716706	0.06227147	-0.0051044	0.64873033	0.89054584
Arhgap8	0.02271452	0.01919429	0.02430752	-0.0051132	0.83646593	0.89462889
Tekt1	0.01202238	0.00775199	0.01286592	-0.0051139	0.9679748	0.97334573
Elmod3	0.12751507	0.13060945	0.13572541	-0.005116	0.56970049	0.89054584
Pigc	0.42501675	0.42094241	0.42605838	-0.005116	0.52230644	0.89054584
Gm20045	0.0830403	0.08368981	0.08880771	-0.0051179	0.6058389	0.89054584
Rap1gds1	0.20174888	0.20688283	0.21200171	-0.0051189	0.54478348	0.89054584
Arhgef38	0.01205384	0.00778064	0.01289958	-0.0051189	0.96775722	0.97334573
Foxm1	0.0185323	0.01471123	0.01983228	-0.0051211	0.88551631	0.91420299
Rad51c	0.05699344	0.0558501	0.06097471	-0.0051246	0.65230826	0.89054584

Ddr1	0.75894661	0.68612439	0.69124923	-0.0051248	0.51377708	0.89054584
Amd2	0.02160341	0.01799295	0.02311858	-0.0051256	0.8491829	0.89883846
A630072M18	0.0619313	0.06112514	0.0662536	-0.0051285	0.64081279	0.89054584
Plet1	0.023216	0.01971493	0.02484412	-0.0051292	0.83194041	0.8933762
Esf1	0.88669988	0.76714364	0.77228329	-0.0051397	0.51236758	0.89054584
Gm43740	0.0182668	0.0144045	0.01954818	-0.0051437	0.88988162	0.9168209
Arsg	0.02937911	0.02629202	0.03143855	-0.0051465	0.77717123	0.89054584
Rnft2	0.01275666	0.00850481	0.0136517	-0.0051469	0.96049739	0.96737
Rps8	5.22657273	0.66593124	0.67107833	-0.0051471	0.51425259	0.89054584
Bin1	0.49296026	0.48068188	0.48583346	-0.0051516	0.51970035	0.89054584
Prim2	0.11295714	0.11536147	0.12051459	-0.0051531	0.57895201	0.89054584
Tmem132b	0.04376137	0.04165903	0.04682441	-0.0051654	0.69635503	0.89054584
Gata4	0.03227566	0.02935933	0.03453758	-0.0051782	0.75757371	0.89054584
Cntrob	0.08770707	0.08861023	0.09379068	-0.0051804	0.60153895	0.89054584
Pih1d2	0.07441005	0.07440339	0.0795894	-0.005186	0.61927386	0.89054584
Zdhhc18	0.05279951	0.05130382	0.05649038	-0.0051866	0.66558433	0.89054584
4930404N11	0.0233976	0.01985182	0.02503843	-0.0051866	0.83274783	0.89393134
Chrn1	0.02388078	0.02036538	0.02555545	-0.0051901	0.82797317	0.89229532
1700049E15I	0.02496423	0.02152133	0.02671475	-0.0051934	0.81745587	0.89054584
Mtpn	0.82936111	0.7321847	0.73738059	-0.0051959	0.51309445	0.89054584
Ranbp17	0.03412067	0.03131323	0.03651148	-0.0051983	0.74643331	0.89054584
Ttc25	0.03901201	0.03654538	0.04174417	-0.0051988	0.71911738	0.89054584
Plekhn1	0.02381718	0.02027303	0.0254874	-0.0052144	0.82974427	0.89271879
Col4a6	0.01779396	0.01382724	0.0190422	-0.005215	0.89900661	0.92252046
Prr11	0.04746024	0.04556252	0.05078053	-0.005218	0.68393621	0.89054584
1700086P04I	0.0310106	0.02796454	0.03318411	-0.0052196	0.76816295	0.89054584
Cldn9	0.03806096	0.03549619	0.04072679	-0.0052306	0.72519823	0.89054584
Cyp11a1	0.01060574	0.00611641	0.01134991	-0.0052335	0.98415348	0.98670393
Kdm8	0.02230811	0.0186352	0.02387264	-0.0052374	0.84664049	0.89825055
Cnm2	0.08144906	0.08186955	0.08710836	-0.0052388	0.6103361	0.89054584

Cdhr5	0.018249	0.01428863	0.01952912	-0.0052405	0.89438546	0.91973864
Strn4	0.55582932	0.533379	0.53862824	-0.0052492	0.51810736	0.89054584
Nadsyn1	0.0385272	0.0359752	0.04122555	-0.0052504	0.72352585	0.89054584
Wdr35	0.16553236	0.16981316	0.17506639	-0.0052532	0.55559143	0.89054584
Cacnb3	0.28283559	0.28734713	0.29261071	-0.0052636	0.53339493	0.89054584
Fa2h	0.07573401	0.07571891	0.08100384	-0.0052849	0.61942192	0.89054584
Phka1	0.06170448	0.06072132	0.06601114	-0.0052898	0.64555448	0.89054584
Fam161a	0.04906259	0.04720382	0.0524942	-0.0052904	0.68065424	0.89054584
Itgb8	0.03136086	0.02826721	0.03355885	-0.0052916	0.76871858	0.89054584
Mbd3	0.85991029	0.75097642	0.75627388	-0.0052975	0.51301694	0.89054584
Setd4	0.03731946	0.03463445	0.03993356	-0.0052991	0.73178939	0.89054584
Dbndd1	0.0350831	0.03223312	0.03754113	-0.005308	0.74496742	0.89054584
Nudt6	0.02241588	0.01867714	0.02398796	-0.0053108	0.84883892	0.89883797
Purg	0.05999387	0.05887001	0.06418248	-0.0053125	0.65011347	0.89054584
BC051142	0.02803837	0.0246861	0.03000403	-0.0053179	0.79552783	0.89054584
Mvp	0.2044457	0.2094114	0.21472981	-0.0053184	0.5459329	0.89054584
6030443J06F	0.01643321	0.01226749	0.01758606	-0.0053186	0.92058354	0.937526
C77080	0.08610612	0.08675991	0.0920814	-0.0053215	0.60612963	0.89054584
Nol4l	0.19804615	0.20292537	0.20825089	-0.0053255	0.54741829	0.89054584
Mt3	0.06686938	0.06620598	0.0715317	-0.0053257	0.6356556	0.89054584
Brca1	0.04782936	0.04584717	0.0511753	-0.0053281	0.68618531	0.89054584
Bend5	0.16010703	0.16415651	0.16948691	-0.0053304	0.55824639	0.89054584
Stam2	0.33580664	0.33824253	0.34357301	-0.0053305	0.52881155	0.89054584
Tekt4	0.02541984	0.02186607	0.02720226	-0.0053362	0.8196232	0.89054584
Whamm	0.09851338	0.09998685	0.10532373	-0.0053369	0.59331244	0.89054584
Dhrs13	0.12036205	0.12291358	0.12826148	-0.0053479	0.5770123	0.89054584
Ankrd13b	0.03050809	0.02728473	0.03264647	-0.0053617	0.77791427	0.89054584
Carm1	0.16163012	0.16569134	0.17105448	-0.0053631	0.55806842	0.89054584
Taf1d	0.80890471	0.71898415	0.72434898	-0.0053648	0.51376319	0.89054584
Kctd9	0.09157148	0.09254874	0.09791588	-0.0053671	0.60078293	0.89054584

Gprasp1	0.56241136	0.53864081	0.5440102	-0.0053694	0.51833846	0.89054584
Zfp772	0.03904026	0.03639386	0.04177439	-0.0053805	0.7257703	0.89054584
Pask	0.01753706	0.01338221	0.01876728	-0.0053851	0.90936145	0.92975475
Gm4723	0.06059424	0.05943782	0.06482429	-0.0053865	0.65066912	0.89054584
Mkrn2	0.21184635	0.21680186	0.22220106	-0.0053992	0.54506645	0.89054584
Slc4a4	0.09364947	0.09472638	0.10013369	-0.0054073	0.59931987	0.89054584
Etnk2	0.03202623	0.02886333	0.03427072	-0.0054074	0.7688634	0.89054584
Zfp583	0.03997043	0.03736031	0.04276941	-0.0054091	0.72214399	0.89054584
Aunip	0.01712907	0.01292067	0.0183307	-0.00541	0.91543655	0.93399009
Zfp408	0.07998972	0.08013904	0.08554974	-0.0054107	0.6158735	0.89054584
Slc35f2	0.01763425	0.01345779	0.01887129	-0.0054135	0.90930437	0.92975475
Pcdhb17	0.03509491	0.03213894	0.03755376	-0.0054148	0.74913356	0.89054584
Cdh22	0.01606797	0.01176349	0.01719521	-0.0054317	0.92944792	0.94403363
Egr2	0.01292463	0.00839967	0.01383145	-0.0054318	0.96634688	0.97211332
Cep83os	0.05991584	0.05866334	0.06409906	-0.0054357	0.65361068	0.89054584
4931428F04I	0.07171015	0.07126514	0.0767047	-0.0054396	0.62944804	0.89054584
St8sia2	0.04496959	0.04267378	0.04811671	-0.0054429	0.70090866	0.89054584
Tyw3	0.06028346	0.05904651	0.06449206	-0.0054455	0.65298398	0.89054584
Atrn	0.19796087	0.20271707	0.20816443	-0.0054474	0.54851792	0.89054584
Six5	0.04235925	0.03987691	0.04532467	-0.0054478	0.71225235	0.89054584
Stx16	1.15386668	0.90474153	0.91019493	-0.0054534	0.51113459	0.89054584
Magi2	0.03339691	0.03028249	0.03573717	-0.0054547	0.76149187	0.89054584
Zfp202	0.0207213	0.01671955	0.02217468	-0.0054551	0.87413002	0.90775282
Arhgap21	0.16886514	0.17303158	0.17848792	-0.0054563	0.55662705	0.89054584
2700012I2OR	0.02915327	0.02574049	0.03119691	-0.0054564	0.7924241	0.89054584
Bbs1	0.07537484	0.07516239	0.08062014	-0.0054577	0.62376965	0.89054584
Hnrnpc	2.21096297	1.1220637	1.12752921	-0.0054655	0.50900873	0.89054584
Nos3	0.03123082	0.02795283	0.03341972	-0.0054669	0.77700647	0.89054584
Car9	0.04480249	0.04246649	0.04793797	-0.0054715	0.70255251	0.89054584
Fam46b	0.02777018	0.02424536	0.02971707	-0.0054717	0.80450857	0.89054584

Srd5a1	0.04469505	0.04235041	0.04782307	-0.0054727	0.70303434	0.89054584
Slc12a5	0.02108517	0.01708484	0.02256404	-0.0054792	0.87104073	0.90617762
Zfp85	0.01833709	0.01414244	0.01962339	-0.005481	0.90341787	0.9256362
Dnah7a	0.02210296	0.01817156	0.02365312	-0.0054816	0.85986204	0.90132889
9130019O22	0.08872327	0.08939393	0.09487555	-0.0054816	0.60610418	0.89054584
Rpl36-ps3	0.56881196	0.54372921	0.54921646	-0.0054872	0.51856315	0.89054584
Sema3b	0.03102119	0.02770688	0.03319543	-0.0054886	0.77944275	0.89054584
Gm14964	0.05827926	0.05685666	0.06234943	-0.0054928	0.65925718	0.89054584
Gm10614	0.01656618	0.01223263	0.01772835	-0.0054957	0.92566604	0.94170979
Disc1	0.03093073	0.02759607	0.03309865	-0.0055026	0.78069394	0.89054584
Rab26	0.04261939	0.04009522	0.04560292	-0.0055077	0.71317518	0.89054584
Gm26641	0.0900904	0.09082414	0.09633496	-0.0055108	0.60507814	0.89054584
Ptprj	0.10491179	0.10656047	0.11207466	-0.0055142	0.59065284	0.89054584
Mycbpap	0.04992345	0.04790007	0.05341483	-0.0055148	0.68474447	0.89054584
Cep57l1	0.24950913	0.25432792	0.25984571	-0.0055178	0.53940385	0.89054584
Htatsf1	0.5379577	0.51835535	0.5238747	-0.0055194	0.51957418	0.89054584
Atg14	0.09876934	0.10007198	0.1055968	-0.0055248	0.59629006	0.89054584
Ppp1r10	0.61960575	0.58405211	0.58957957	-0.0055275	0.51741977	0.89054584
Pnpla6	0.09688533	0.09805455	0.1035867	-0.0055322	0.59824823	0.89054584
Hdac5	0.29692198	0.30076763	0.30630032	-0.0055327	0.53353313	0.89054584
Wdyhv1	0.15319119	0.15682157	0.16235733	-0.0055358	0.56310723	0.89054584
Ndr4	0.06461575	0.0635862	0.06912303	-0.0055368	0.64549507	0.89054584
Dpy19l3	0.07442153	0.0740617	0.07960166	-0.00554	0.62712332	0.89054584
Dolpp1	0.10317527	0.10470797	0.11024987	-0.0055419	0.59258116	0.89054584
Cds1	0.02212689	0.01812079	0.02367872	-0.0055579	0.86292578	0.90277803
Aim1	0.015327	0.01084215	0.01640229	-0.0055601	0.94286785	0.95352247
Gpatch4	0.22852288	0.23338454	0.23894771	-0.0055632	0.54318832	0.89054584
Nim1k	0.0318477	0.02851614	0.03407972	-0.0055636	0.77654638	0.89054584
Atp6v1g2	0.03052047	0.02709577	0.03265971	-0.0055639	0.78631544	0.89054584
8030462N17	0.01652459	0.01211714	0.01768384	-0.0055667	0.92875606	0.94362101

Gmppb	0.46403133	0.45514987	0.46071859	-0.0055687	0.52245369	0.89054584
Trak1	0.20851485	0.21324925	0.21884072	-0.0055915	0.54737731	0.89054584
Lin54	0.13786962	0.14090468	0.14649627	-0.0055916	0.57057026	0.89054584
Tlr2	0.04314569	0.04057154	0.04616587	-0.0055943	0.71381527	0.89054584
Pdpr	0.03470043	0.03152362	0.03713173	-0.0056081	0.75917533	0.89054584
Cutal	0.0442868	0.04176806	0.04738641	-0.0056183	0.70965774	0.89054584
Acbd7	0.01787109	0.01349396	0.01912473	-0.0056308	0.91492178	0.93370395
Ccsap	0.03493602	0.03175199	0.03738377	-0.0056318	0.75861635	0.89054584
Gng7	0.04176758	0.03905888	0.04469179	-0.0056329	0.72146812	0.89054584
Zfand2a	0.08031438	0.08026358	0.0858965	-0.0056329	0.62001643	0.89054584
Hykk	0.06810992	0.06722174	0.07285748	-0.0056357	0.64071961	0.89054584
5033430I15R	0.03851274	0.03557225	0.04121009	-0.0056378	0.73806032	0.89054584
Trpm2	0.01728802	0.01285934	0.01850078	-0.0056414	0.9222908	0.9389349
Igsf5	0.1701425	0.17414843	0.17979809	-0.0056497	0.55819491	0.89054584
Rnf150	0.02095826	0.01677846	0.02242823	-0.0056498	0.87972405	0.91127746
Mapkapk5	0.09568159	0.09665056	0.10230227	-0.0056517	0.60155888	0.89054584
Zfat	0.05689452	0.05521644	0.06086894	-0.0056525	0.66736387	0.89054584
Gm17541	0.03639818	0.03329166	0.038948	-0.0056563	0.75067286	0.89054584
Tspan1	0.03716551	0.03411033	0.03976887	-0.0056585	0.74630304	0.89054584
Ypel4	0.03589948	0.03274562	0.03841449	-0.0056689	0.754124	0.89054584
Junos	0.01456098	0.00991123	0.01558255	-0.0056713	0.95502255	0.96306751
Cmtr1	0.04194014	0.03919986	0.04487637	-0.0056765	0.72217648	0.89054584
Zfp558	0.02086524	0.01664536	0.0223287	-0.0056833	0.882158	0.91223443
Gm19426	0.04216067	0.03941116	0.04511226	-0.0057011	0.72199479	0.89054584
Mat2a	1.44643459	1.01449075	1.02019765	-0.0057069	0.51039593	0.89054584
Gpld1	0.0169228	0.01240072	0.01810996	-0.0057092	0.92904993	0.94382141
Al606181	0.05635718	0.05458419	0.06029444	-0.0057102	0.6704766	0.89054584
Plekhm1	0.05634259	0.05456439	0.06027884	-0.0057144	0.67063552	0.89054584
Ggps1	0.21452887	0.21918766	0.22490324	-0.0057156	0.54712466	0.89054584
Vstm2l	0.02906124	0.02538188	0.03109844	-0.0057166	0.80411557	0.89054584

Klhl11	0.02347235	0.01939993	0.02511842	-0.0057185	0.85557797	0.9009252
Wdr54	0.04813731	0.04578075	0.05150465	-0.0057239	0.69768899	0.89054584
Cic	0.21471461	0.21936074	0.22509022	-0.0057295	0.54719962	0.89054584
Hyou1	0.35547982	0.3564044	0.36213477	-0.0057304	0.52938437	0.89054584
Zfp688	0.20495151	0.20950826	0.21524114	-0.0057329	0.54937774	0.89054584
Acss2	0.09045799	0.09099362	0.09672733	-0.0057337	0.60879068	0.89054584
Slc16a13	0.04208228	0.03929148	0.04502841	-0.0057369	0.72360389	0.89054584
Pkmyt1	0.11925944	0.12136988	0.12710926	-0.0057394	0.58330885	0.89054584
Maats1	0.01568969	0.01104876	0.01679041	-0.0057416	0.94443903	0.95457871
Zfp35	0.11627663	0.11823833	0.12398991	-0.0057516	0.58555157	0.89054584
Dhx37	0.02763694	0.02382254	0.02957451	-0.005752	0.8175644	0.89054584
Zfp287	0.02538601	0.02140469	0.02716606	-0.0057614	0.83844006	0.89497393
Ppp1r3f	0.0258233	0.02187198	0.02763395	-0.005762	0.83433523	0.89435801
Mia3	0.69544455	0.6408293	0.64659751	-0.0057682	0.51657599	0.89054584
Steap2	0.14627349	0.1494361	0.15520746	-0.0057714	0.56876927	0.89054584
AA415398	0.01627755	0.01164697	0.01741948	-0.0057725	0.93869278	0.95044651
Syt14	0.09498714	0.09578703	0.10156122	-0.0057742	0.6044493	0.89054584
Mettl13	0.18051785	0.18463842	0.19041514	-0.0057767	0.55619949	0.89054584
Ccdc28b	0.84087306	0.73879518	0.7445799	-0.0057847	0.51443689	0.89054584
Tiam1	0.0258494	0.02187608	0.02766189	-0.0057858	0.83508891	0.89459411
Hsd17b7	0.08531082	0.08544419	0.09123224	-0.0057881	0.61622357	0.89054584
Crp	0.01804145	0.01351742	0.01930703	-0.0057896	0.91880497	0.93597769
Mid1	0.03711533	0.03391856	0.0397152	-0.0057966	0.75174667	0.89054584
Tceanc2	0.1388525	0.14171906	0.14751652	-0.0057975	0.57263947	0.89054584
Tmod3	0.59017703	0.56060363	0.56640249	-0.0057989	0.51902173	0.89054584
Thoc1	0.39919363	0.39682954	0.40263359	-0.005804	0.52677268	0.89054584
Gprin3	0.16071369	0.16430195	0.17011139	-0.0058094	0.56320759	0.89054584
Fbxo45	0.10655294	0.10798323	0.11379823	-0.005815	0.59408577	0.89054584
9130221H12	0.02723546	0.02332841	0.02914494	-0.0058165	0.82376196	0.8909953
1700019G17	0.0256702	0.02164899	0.02747014	-0.0058212	0.8382446	0.89497393

Lsm1	0.89173198	0.76940987	0.77523197	-0.0058221	0.51395586	0.89054584
Mbnl3	0.02939554	0.02561549	0.03145613	-0.0058406	0.80649484	0.89054584
Pola2	0.08500087	0.08506026	0.09090128	-0.005841	0.61767035	0.89054584
A130014A01	0.07686335	0.07636676	0.08221029	-0.0058435	0.62973763	0.89054584
Zfp472	0.07037075	0.06942788	0.07527349	-0.0058456	0.64125124	0.89054584
Gm26935	0.02879125	0.02496128	0.03080957	-0.0058483	0.81174997	0.89054584
Ribc1	0.02573061	0.02168553	0.02753478	-0.0058492	0.83884079	0.89500145
Reep2	0.03650617	0.03321395	0.03906353	-0.0058496	0.75730327	0.89054584
Gm6169	0.02500479	0.02090691	0.02675815	-0.0058512	0.84584531	0.89825055
Zfyve1	0.03831236	0.03513887	0.04099573	-0.0058569	0.74716662	0.89054584
Rnf13	0.35820277	0.35882979	0.36468749	-0.0058577	0.52982625	0.89054584
Gm5113	0.03900367	0.03587486	0.04173525	-0.0058604	0.74350851	0.89054584
Sv2c	0.04023125	0.03718145	0.0430484	-0.005867	0.73727127	0.89054584
Dscam	0.01636912	0.01164144	0.01751747	-0.005876	0.94094874	0.95204654
Polr3g	0.06678111	0.0655602	0.07143736	-0.0058772	0.64924821	0.89054584
Adamts6	0.01574049	0.01096168	0.01684477	-0.0058831	0.94814746	0.95744779
Dennd4b	0.03156663	0.02789413	0.033779	-0.0058849	0.79150846	0.89054584
Hcfc1r1	1.35808954	0.98561262	0.99150097	-0.0058883	0.51103678	0.89054584
Gm9828	0.07830022	0.07785638	0.08374516	-0.0058888	0.62839535	0.89054584
Dcaf15	0.08170892	0.08148666	0.08738589	-0.0058992	0.62343496	0.89054584
Sigmar1	0.62861382	0.59065487	0.59655746	-0.0059026	0.51838375	0.89054584
Zfp691	0.10886326	0.11031798	0.1162229	-0.0059049	0.59355755	0.89054584
Ppcdc	0.14030249	0.14311268	0.14902094	-0.0059083	0.57327331	0.89054584
Cyp2u1	0.01555828	0.01074099	0.01664978	-0.0059088	0.95087502	0.9598833
Vps53	0.41266795	0.40899035	0.41490313	-0.0059128	0.52646816	0.89054584
Iba57	0.04310775	0.04020099	0.04612529	-0.0059243	0.72521053	0.89054584
Ccser1	0.03094863	0.0271909	0.0331178	-0.0059269	0.79779851	0.89054584
Gm340	0.01594868	0.01113951	0.01706755	-0.005928	0.94718823	0.95662382
Atp2b4	0.23300154	0.23749393	0.24342416	-0.0059302	0.54518287	0.89054584
Dnajb3	0.10910341	0.11054412	0.11647482	-0.0059307	0.59375895	0.89054584

Fads3	0.07492419	0.07418738	0.08013868	-0.0059513	0.63532298	0.89054584
Usp29	0.52262156	0.50509727	0.51105151	-0.0059542	0.5216444	0.89054584
Helz2	0.02405605	0.01978349	0.025743	-0.0059595	0.85960486	0.90131997
6330403L08F	0.01397949	0.00899781	0.01496029	-0.0059625	0.96833289	0.9736145
Cep128	0.05313315	0.05087352	0.05684714	-0.0059736	0.68778165	0.89054584
Mpzl3	0.03139829	0.02762314	0.03359889	-0.0059758	0.79633999	0.89054584
Rfc5	0.41433354	0.41043531	0.41641253	-0.0059772	0.5266593	0.89054584
Gm20522	0.03944275	0.03622766	0.04220495	-0.0059773	0.74531657	0.89054584
Gemin5	0.07873023	0.07822685	0.08420448	-0.0059776	0.6295779	0.89054584
Zfp41	0.05084167	0.04841834	0.05439677	-0.0059784	0.69568743	0.89054584
Plcd1	0.12199733	0.12399073	0.12996953	-0.0059788	0.58485056	0.89054584
Tceal3	0.05546025	0.05335536	0.05933543	-0.0059801	0.6806609	0.89054584
Xaf1	0.0410642	0.03795849	0.0439394	-0.0059809	0.73701266	0.89054584
Paupar	0.01646406	0.01163562	0.01761907	-0.0059834	0.94319564	0.9536544
Lmntd2	0.01876991	0.01409873	0.02008654	-0.0059878	0.91755818	0.93505805
Gm15614	0.03056112	0.02671413	0.0327032	-0.0059891	0.80322883	0.89054584
Xxylt1	0.02777696	0.0237351	0.02972433	-0.0059892	0.82606816	0.89170439
Tha1	0.04417718	0.04127569	0.04726916	-0.0059935	0.72264871	0.89054584
4732440D04	0.06534531	0.06390905	0.0699028	-0.0059938	0.65522906	0.89054584
Il13ra1	0.13809407	0.1407353	0.14672928	-0.005994	0.57547099	0.89054584
Zfp595	0.02037129	0.01580473	0.02180014	-0.0059954	0.89995378	0.92300013
Shroom2	0.08794194	0.08804596	0.09404143	-0.0059955	0.61677568	0.89054584
Spaca1	0.02626944	0.02211488	0.02811132	-0.0059964	0.83984021	0.89542723
Lipt1	0.06687901	0.06554549	0.071542	-0.0059965	0.65191776	0.89054584
Slc25a40	0.07482408	0.07403394	0.08003173	-0.0059978	0.63651299	0.89054584
Tmem229a	0.13614464	0.13870332	0.1447048	-0.0060015	0.57660854	0.89054584
Gm12802	0.03083865	0.02699301	0.03300013	-0.0060071	0.80180407	0.89054584
Tdp2	0.35564306	0.3562795	0.36228792	-0.0060084	0.5307944	0.89054584
Nfatc1	0.07044072	0.06933886	0.07534826	-0.0060094	0.6448948	0.89054584
2200002J24F	0.02053311	0.0159608	0.0219733	-0.0060125	0.89881268	0.92252046

Gpr39	0.02472509	0.02044537	0.02645888	-0.0060135	0.85517089	0.90089862
Plcl2	0.04612281	0.04333613	0.04935013	-0.006014	0.71489978	0.89054584
Usp54	0.04090964	0.03775533	0.04377407	-0.0060187	0.73910333	0.89054584
Sncb	0.03848979	0.03516603	0.04118554	-0.0060195	0.75204265	0.89054584
Inhbb	0.01749815	0.0127009	0.01872565	-0.0060247	0.93305772	0.9465065
Shc4	0.0205723	0.01598889	0.02201523	-0.0060263	0.89890135	0.92252046
Mbd2	0.18242664	0.1863331	0.19236373	-0.0060306	0.55806234	0.89054584
St3gal1	0.0754532	0.07466899	0.08070384	-0.0060349	0.63622459	0.89054584
BC048403	0.01512881	0.01014898	0.0161902	-0.0060412	0.95893336	0.96613036
Zfp780b	0.20824715	0.21252287	0.21857049	-0.0060476	0.55128482	0.89054584
Rapsn	0.02057427	0.01596923	0.02201734	-0.0060481	0.89969212	0.92300013
Morn2	0.46622036	0.45658528	0.46263645	-0.0060512	0.5242956	0.89054584
Dlg3	0.06313124	0.06148029	0.06753627	-0.006056	0.66194132	0.89054584
Actr3b	0.04020018	0.03695749	0.04301517	-0.0060577	0.74412112	0.89054584
Cd79a	0.13357009	0.1359697	0.14202888	-0.0060592	0.57877386	0.89054584
Zc3h6	0.11170816	0.1131405	0.11920592	-0.0060654	0.59369317	0.89054584
Ifit2	0.03248804	0.02869216	0.03476481	-0.0060726	0.79212434	0.89054584
Esrp2	0.14058797	0.14324436	0.14931705	-0.0060727	0.57514089	0.89054584
Rgs9	0.0570561	0.05496721	0.0610417	-0.0060745	0.67854305	0.89054584
Usp45	0.12137941	0.12324936	0.12932423	-0.0060749	0.58661606	0.89054584
4933417E11I	0.0405712	0.03733555	0.04341206	-0.0060765	0.74283967	0.89054584
Adgrg6	0.04906961	0.04642205	0.0525017	-0.0060797	0.70522948	0.89054584
Rptoros	0.02939459	0.02537451	0.03145511	-0.0060806	0.81610536	0.89054584
Slc17a5	0.2291701	0.23351058	0.23959513	-0.0060845	0.54709072	0.89054584
Gtpbp1	0.08514126	0.084965	0.09105119	-0.0060862	0.6222594	0.89054584
Gm17690	0.02303107	0.01855837	0.02464624	-0.0060879	0.87509394	0.90836342
Hcfc2	0.26620869	0.27023962	0.27632988	-0.0060903	0.54089245	0.89054584
Rsl1	0.028986	0.02490214	0.03101794	-0.0061158	0.82084818	0.89054584
Sesn1	0.29512401	0.29844203	0.30455848	-0.0061165	0.53727287	0.89054584
2700038G22	0.13542632	0.13783941	0.14395845	-0.006119	0.57848957	0.89054584

Atp4a	0.02597059	0.0216675	0.02779155	-0.0061241	0.84770245	0.89862623
Zfp592	0.09675189	0.09731836	0.10344432	-0.006126	0.60868843	0.89054584
Ccnjl	0.0515676	0.04904273	0.05517305	-0.0061303	0.69765181	0.89054584
Zfp850	0.03961683	0.03625549	0.04239116	-0.0061357	0.7499497	0.89054584
Wdr59	0.02941661	0.02533372	0.03147866	-0.0061449	0.81844912	0.89054584
Fnip2	0.11815399	0.11980817	0.1259536	-0.0061454	0.5899107	0.89054584
Pcsk6	0.06841966	0.06703972	0.0731885	-0.0061488	0.65225337	0.89054584
Top3a	0.02049587	0.01578175	0.02193344	-0.0061517	0.90434245	0.92615843
Macc1	0.02052604	0.0158138	0.02196573	-0.0061519	0.90402407	0.92605695
Lats2	0.1471695	0.14998125	0.1561346	-0.0061533	0.57284081	0.89054584
Cox5a	2.05139879	1.11470445	1.12086288	-0.0061584	0.51021099	0.89054584
Fam198a	0.05564969	0.05337757	0.05953799	-0.0061604	0.68511912	0.89054584
A230072E10	0.03998473	0.03662153	0.04278471	-0.0061632	0.74892964	0.89054584
Clcn6	0.04005062	0.0366706	0.04285519	-0.0061846	0.74931918	0.89054584
Ing5	0.1167715	0.11832241	0.12450766	-0.0061852	0.59151556	0.89054584
Rnf157	0.06952071	0.06816588	0.07436514	-0.0061993	0.65113291	0.89054584
Dclre1c	0.04428984	0.04118686	0.04738966	-0.0062028	0.72900448	0.89054584
Lpin2	0.2225832	0.22679065	0.23299736	-0.0062067	0.54938486	0.89054584
Mtf1	0.33315918	0.33485117	0.34106002	-0.0062088	0.53379533	0.89054584
Tmem180	0.04906599	0.0462849	0.05249783	-0.0062129	0.70930959	0.89054584
Slc5a9	0.04972631	0.0469865	0.05320399	-0.0062175	0.70693428	0.89054584
Panct2	0.01603404	0.01094129	0.0171589	-0.0062176	0.95431261	0.9627461
Fbxw5	0.43867825	0.43207248	0.43829613	-0.0062237	0.52637293	0.89054584
Zfp111	0.07991676	0.0792465	0.08547181	-0.0062253	0.63282036	0.89054584
Grik5	0.13253683	0.13472189	0.14095421	-0.0062323	0.58160309	0.89054584
Abca7	0.16451556	0.16778096	0.17402162	-0.0062407	0.56634488	0.89054584
Lmtk3	0.01256228	0.00719893	0.01344368	-0.0062448	0.984773	0.98715612
Ndst2	0.0683867	0.06690479	0.07315328	-0.0062485	0.65466655	0.89054584
Gm9833	0.01813095	0.01314123	0.0194028	-0.0062616	0.93364606	0.94677209
Mybbp1a	0.39954343	0.39669137	0.40295343	-0.0062621	0.52885894	0.89054584

Cdk19	0.11270092	0.11397831	0.12024616	-0.0062679	0.59593848	0.89054584
Vill	0.06750016	0.06593603	0.07220584	-0.0062698	0.65709496	0.89054584
Osbpl10	0.01660004	0.01148957	0.01776458	-0.006275	0.95008551	0.95922778
Ttll10	0.04085023	0.03742973	0.04371053	-0.0062808	0.74839461	0.89054584
Gm10762	0.02907873	0.02483323	0.03111716	-0.0062839	0.82660817	0.89181167
Dst	0.66454848	0.61755571	0.62384683	-0.0062911	0.51873645	0.89054584
Acadsb	0.41724692	0.41275664	0.41904945	-0.0062928	0.52788831	0.89054584
Tnfsf9	0.07137069	0.07004751	0.07634198	-0.0062945	0.64956061	0.89054584
Fam19a5	0.05226407	0.04962262	0.05591783	-0.0062952	0.70003505	0.89054584
Samd9l	0.08203966	0.08143585	0.08773911	-0.0063033	0.63107529	0.89054584
Gm10269	0.05216138	0.0495023	0.05580801	-0.0063057	0.70069862	0.89054584
Tmem219	0.46253293	0.4530963	0.45940413	-0.0063078	0.52550271	0.89054584
Tmem241	0.04445293	0.04125532	0.0475641	-0.0063088	0.73169562	0.89054584
Rabl6	0.58385661	0.55503888	0.56134968	-0.0063108	0.52088575	0.89054584
Sco1	0.08598405	0.08563753	0.09195107	-0.0063135	0.62547481	0.89054584
Bcl6	0.01608802	0.01089776	0.01721667	-0.0063189	0.9563612	0.9641419
Cmss1	0.1289707	0.13090872	0.13724205	-0.0063333	0.58511516	0.89054584
Slc25a27	0.02632086	0.02183301	0.02816634	-0.0063333	0.852585	0.89988783
Mcmbp	0.366893	0.36647072	0.37280855	-0.0063378	0.53156444	0.89054584
Arrdc2	0.0372354	0.03349713	0.03984364	-0.0063465	0.77098697	0.89054584
Uhrf1bp1	0.03999482	0.03644549	0.0427955	-0.00635	0.75530989	0.89054584
9130230L23F	0.04687425	0.04380334	0.05015381	-0.0063505	0.72237604	0.89054584
Osbpl3	0.05019246	0.04734691	0.0537025	-0.0063556	0.70931245	0.89054584
Cacnb1	0.03048143	0.02626037	0.03261794	-0.0063576	0.81808069	0.89054584
Pfkfb4	0.04723036	0.04417299	0.05053468	-0.0063617	0.72123121	0.89054584
Dusp4	0.0306082	0.02638508	0.03275358	-0.0063685	0.81749729	0.89054584
Ankrd52	0.0761208	0.07504836	0.08141704	-0.0063687	0.64223374	0.89054584
Pgbd5	0.04292226	0.03955528	0.04592689	-0.0063716	0.74097428	0.89054584
Slc12a6	0.14443372	0.14692764	0.15330278	-0.0063751	0.57681156	0.89054584
Ggt7	0.02399735	0.01930065	0.02568018	-0.0063795	0.87644245	0.9091719

Celf6	0.05256882	0.04986175	0.0562437	-0.0063819	0.70147511	0.89054584
Slc46a2	0.02042273	0.01547308	0.02185519	-0.0063821	0.91316321	0.93245811
Flii	0.37018751	0.36948222	0.37587689	-0.0063947	0.53158748	0.89054584
Dhcr24	0.09437367	0.09450728	0.10090656	-0.0063993	0.61617881	0.89054584
Fads2	0.01505686	0.00971348	0.0161132	-0.0063997	0.96787221	0.97334573
Sox12	0.21910153	0.22309493	0.22950204	-0.0064071	0.55174279	0.89054584
Coro2b	0.09695825	0.09725467	0.1036645	-0.0064098	0.61335498	0.89054584
Pter	0.08301814	0.08236416	0.08878405	-0.0064199	0.63189767	0.89054584
Zfp341	0.02050094	0.01551115	0.02193887	-0.0064277	0.91387229	0.93295744
Mex3a	0.29328423	0.29634628	0.30277445	-0.0064282	0.53939647	0.89054584
Atp2c2	0.0216979	0.01679011	0.02321968	-0.0064296	0.90148692	0.92418557
Arhgef18	0.11267623	0.11379061	0.1202203	-0.0064297	0.59838628	0.89054584
Atp2b2	0.0225336	0.01767272	0.02411392	-0.0064412	0.89333761	0.9188173
Chac1	0.02144364	0.01650189	0.02294761	-0.0064457	0.90467244	0.92639787
Cct7	2.39979787	1.1227563	1.12920594	-0.0064496	0.51061471	0.89054584
Kcnb1	0.08462818	0.08405026	0.09050333	-0.0064531	0.63012778	0.89054584
Jmjd4	0.03116859	0.02689835	0.03335314	-0.0064548	0.81637559	0.89054584
Mllt1	0.10191007	0.10246469	0.10891966	-0.006455	0.60876651	0.89054584
Flywch2	0.25483039	0.25865615	0.26511214	-0.006456	0.54516477	0.89054584
Frrs1l	0.02694823	0.02235283	0.02883761	-0.0064848	0.85260407	0.89988783
Ppip5k1	0.09682605	0.09703635	0.10352345	-0.0064871	0.61483512	0.89054584
Gm6793	0.05140986	0.04851293	0.05500437	-0.0064914	0.70878332	0.89054584
Klhl25	0.06446143	0.06246525	0.06895808	-0.0064928	0.6695491	0.89054584
Ppp1r36	0.02650018	0.02186122	0.02835821	-0.006497	0.85710063	0.9009252
Bard1	0.01819027	0.01295625	0.01946628	-0.00651	0.94039174	0.95172812
Nanos3	0.03787859	0.03401829	0.0405317	-0.0065134	0.7729773	0.89054584
K230010J24F	0.02804929	0.02350223	0.03001571	-0.0065135	0.84399222	0.89775379
1700086O06	0.07826257	0.07719068	0.08370494	-0.0065143	0.6415399	0.89054584
Zfp169	0.03649712	0.03253614	0.03905385	-0.0065177	0.78157731	0.89054584
Pabpc1l	0.05609076	0.05348926	0.06000958	-0.0065203	0.69364742	0.89054584

Cth	0.071638	0.0701001	0.0766276	-0.0065275	0.65426853	0.89054584
Nudt7	0.40041534	0.3972214	0.40375035	-0.006529	0.53002735	0.89054584
Gm15728	0.01929458	0.01411831	0.02064798	-0.0065297	0.92966954	0.94406031
9430015G10	0.04423075	0.04079532	0.04732645	-0.0065311	0.73986924	0.89054584
Trmo	0.06368444	0.06159518	0.06812758	-0.0065324	0.67246212	0.89054584
Eps15l1	0.19158807	0.19516187	0.20169476	-0.0065329	0.55997383	0.89054584
Ddx55	0.29950558	0.30226439	0.30880043	-0.006536	0.53927633	0.89054584
Cst6	0.04504636	0.04165374	0.04819882	-0.0065451	0.73651975	0.89054584
Polr3a	0.0553771	0.05269731	0.05924652	-0.0065492	0.69672616	0.89054584
Nek3	0.06236908	0.06016685	0.06672157	-0.0065547	0.67641373	0.89054584
Zfp709	0.02608183	0.02134378	0.02791058	-0.0065668	0.86349443	0.90290403
Pklr	0.0196565	0.01446483	0.02103526	-0.0065704	0.92719798	0.94266789
Traf6	0.12168892	0.12305456	0.12964747	-0.0065929	0.59364028	0.89054584
Abcd4	0.0966223	0.09670664	0.10330605	-0.0065994	0.61700471	0.89054584
Gm37305	0.03182043	0.02744494	0.03405054	-0.0066056	0.81695086	0.89054584
Spata33	0.040965	0.03722221	0.04383329	-0.0066111	0.75887142	0.89054584
Mocs1	0.06009791	0.05768053	0.0642937	-0.0066132	0.6841064	0.89054584
Capn5	0.07696942	0.07569439	0.08232359	-0.0066292	0.64623167	0.89054584
Gstk1	0.10775684	0.10842295	0.11506196	-0.006639	0.60596529	0.89054584
Lrrn1	0.19600017	0.19953381	0.20617578	-0.006642	0.55965254	0.89054584
Pcdhga7	0.02869215	0.02406109	0.03070354	-0.0066425	0.84325415	0.8976137
Erich2	0.02507287	0.02018506	0.026831	-0.0066459	0.8757504	0.90897976
Kdsr	0.20155623	0.20515048	0.2118067	-0.0066562	0.55820173	0.89054584
Lyar	0.73045775	0.6649072	0.67157104	-0.0066638	0.51843634	0.89054584
9830147E19I	0.08289789	0.08199125	0.08865564	-0.0066644	0.63691326	0.89054584
Zmym5	0.46114658	0.45152187	0.45818674	-0.0066649	0.52701558	0.89054584
Pitpnm2	0.05589076	0.05312622	0.05979574	-0.0066695	0.69834645	0.89054584
Sema3f	0.11784445	0.11895857	0.12562991	-0.0066713	0.59770242	0.89054584
Fam89b	0.02872985	0.02407153	0.03074387	-0.0066723	0.84402282	0.89775379
Gm15441	0.12838415	0.12995713	0.13663101	-0.0066739	0.59001005	0.89054584

Gins3	0.03567788	0.03150136	0.03817742	-0.0066761	0.79237964	0.89054584
Ccdc40	0.03642859	0.03230098	0.03898054	-0.0066796	0.78766304	0.89054584
Gm20696	0.06111533	0.05869467	0.06538135	-0.0066867	0.68313333	0.89054584
Spg20	0.27542091	0.27867978	0.285367	-0.0066872	0.54346872	0.89054584
Ell2	0.2115669	0.21523199	0.22191938	-0.0066874	0.55582568	0.89054584
4933408B17	0.03334426	0.02898728	0.03568084	-0.0066936	0.80893966	0.89054584
Gm17354	0.10476743	0.10522658	0.11192301	-0.0066964	0.60978074	0.89054584
Acvr1	0.09572075	0.09563609	0.10234406	-0.006708	0.619955	0.89054584
Hist2h3c2	0.03467687	0.03039712	0.03710653	-0.0067094	0.80021948	0.89054584
Plekhg5	0.04835902	0.04501952	0.05174176	-0.0067222	0.7275051	0.89054584
Dusp8	0.05264981	0.04960665	0.05633031	-0.0067237	0.71092778	0.89054584
Diras2	0.01744302	0.01194177	0.01866665	-0.0067249	0.95336926	0.96199523
Idua	0.05616624	0.05336446	0.06009028	-0.0067258	0.69897987	0.89054584
Sep-10	0.22092259	0.22459809	0.23133093	-0.0067328	0.55393023	0.89054584
Arhgap35	0.18366031	0.18688917	0.1936223	-0.0067331	0.56435203	0.89054584
Arhgap12	0.24012843	0.24379461	0.25052937	-0.0067348	0.54983411	0.89054584
Tube1	0.041686	0.03786521	0.04460453	-0.0067393	0.75925904	0.89054584
Ap5m1	0.0866109	0.08588023	0.09262036	-0.0067401	0.63270962	0.89054584
Tada1	0.34307248	0.34370634	0.3504524	-0.0067461	0.5357303	0.89054584
Abcc4	0.05010267	0.04685353	0.05360648	-0.0067529	0.72136424	0.89054584
Map3k9	0.03000636	0.02535077	0.03210965	-0.0067589	0.83662426	0.89462889
Synj2bp	0.66577662	0.61799549	0.62476384	-0.0067683	0.52012702	0.89054584
4930452B06	0.04019612	0.03623237	0.04301083	-0.0067785	0.76859981	0.89054584
Tdrp	0.04248006	0.03866954	0.04545389	-0.0067843	0.75659244	0.89054584
Il11	0.03826916	0.0341643	0.04094952	-0.0067852	0.77993475	0.89054584
Gm15417	0.08086056	0.07968731	0.08647985	-0.0067925	0.64279334	0.89054584
Zfp78	0.04888985	0.0455159	0.05230946	-0.0067936	0.72743324	0.89054584
Vps52	0.38397984	0.38186281	0.3886571	-0.0067943	0.53245602	0.89054584
Dnajc28	0.02337061	0.01821071	0.02500955	-0.0067988	0.89733866	0.92175257
Ube2cbp	0.05429309	0.05128435	0.05808745	-0.0068031	0.70734564	0.89054584

Lin7b	0.02626547	0.021302	0.02810707	-0.0068051	0.87033753	0.90589084
Zfp784	0.03574821	0.03144364	0.03825266	-0.006809	0.79653199	0.89054584
Ggact	0.16504869	0.16775632	0.17456946	-0.0068131	0.57214212	0.89054584
Zbed5	0.06348436	0.06109856	0.06791371	-0.0068151	0.67993794	0.89054584
Svop	0.05120561	0.04796049	0.05478596	-0.0068255	0.71918793	0.89054584
Hps3	0.06674247	0.06456844	0.07139607	-0.0068276	0.67203384	0.89054584
Npb	0.04048419	0.03648428	0.04331898	-0.0068347	0.7688514	0.89054584
Hyls1	0.03771478	0.03351728	0.04035647	-0.0068392	0.78510434	0.89054584
Gm30173	0.02569289	0.02065148	0.02749442	-0.0068429	0.87688162	0.90943771
Skiv2l2	0.26521007	0.26850308	0.27534778	-0.0068447	0.5460999	0.89054584
lqsec1	0.12510481	0.12636173	0.13321247	-0.0068507	0.59467844	0.89054584
E130309D14	0.03431106	0.02985448	0.03671517	-0.0068607	0.80800883	0.89054584
Caskin2	0.10526905	0.10558168	0.11244995	-0.0068683	0.61200964	0.89054584
Cbx3	1.67608261	1.07001707	1.07690896	-0.0068919	0.51189302	0.89054584
Sppl3	0.23915698	0.24266576	0.24956225	-0.0068965	0.55122104	0.89054584
Nckap1	0.59851884	0.56612819	0.57303026	-0.0069021	0.52237541	0.89054584
Ddx59	0.05909087	0.05631496	0.06321712	-0.0069022	0.69450885	0.89054584
9130023H24	0.08956998	0.08886641	0.09577942	-0.006913	0.63166473	0.89054584
Il23a	0.02024177	0.0147373	0.02166154	-0.0069242	0.93179041	0.94571726
Dusp7	0.09645528	0.09620318	0.10312783	-0.0069247	0.62279535	0.89054584
Chst8	0.09729947	0.09710353	0.10402859	-0.0069251	0.62177286	0.89054584
Abtb2	0.03666707	0.03229404	0.03923566	-0.0069416	0.79510575	0.89054584
Cul4b	0.2254403	0.22891373	0.23586159	-0.0069479	0.55457949	0.89054584
Ranbp9	0.20477353	0.20809989	0.21506122	-0.0069613	0.55993551	0.89054584
Vangl2	0.25487374	0.25819168	0.26515499	-0.0069633	0.54868897	0.89054584
Gcgr	0.02906129	0.02413156	0.0310985	-0.0069669	0.85169565	0.89985795
Gprin1	0.07531213	0.07358292	0.08055313	-0.0069702	0.65657571	0.89054584
Abhd3	0.03022296	0.02537082	0.0323414	-0.0069706	0.84234587	0.89691028
Amph	0.0294168	0.0245034	0.03147887	-0.0069755	0.84905408	0.89883797
Nipa1	0.04396928	0.04006782	0.04704679	-0.006979	0.75525236	0.89054584

Ybey	0.06950568	0.06736566	0.07434907	-0.0069834	0.66916251	0.89054584
Hmga2	0.17302212	0.17576564	0.1827492	-0.0069836	0.57065284	0.89054584
Neurl1a	0.03607481	0.03161705	0.03860206	-0.006985	0.80039477	0.89054584
Tprkb	0.29201239	0.29455445	0.30154016	-0.0069857	0.54297547	0.89054584
Gnptab	0.07081045	0.0687465	0.07574334	-0.0069968	0.66653788	0.89054584
1700019D03	0.10012445	0.10004308	0.10704132	-0.0069982	0.61966312	0.89054584
Met	0.10538523	0.10557288	0.11257198	-0.0069991	0.61396454	0.89054584
Bcl2l15	0.0407255	0.03657319	0.0435771	-0.0070039	0.77301321	0.89054584
Elf4	0.07824256	0.07667697	0.08368357	-0.0070066	0.65176147	0.89054584
3110052M02	0.04146139	0.03735676	0.04436427	-0.0070075	0.76910357	0.89054584
Wdr90	0.07941337	0.0779166	0.08493415	-0.0070175	0.64985817	0.89054584
Ssr3	1.69488746	1.07347985	1.08049785	-0.007018	0.51207036	0.89054584
Hmga1-rs1	0.02124252	0.01571051	0.02273241	-0.0070219	0.92494127	0.94123665
Pck2	0.44240606	0.4345914	0.4416165	-0.0070251	0.52953977	0.89054584
Pag1	0.09337752	0.09281576	0.09984346	-0.0070277	0.62851763	0.89054584
Gla	0.06175782	0.05903359	0.06606816	-0.0070346	0.69007328	0.89054584
Zfp239	0.06857821	0.06632215	0.07335794	-0.0070358	0.67250496	0.89054584
Ptpn9	0.3717124	0.37025848	0.37729506	-0.0070366	0.5346204	0.89054584
Bend7	0.28038207	0.28317501	0.29021675	-0.0070417	0.54500188	0.89054584
Kifc2	0.04194064	0.03783094	0.04487691	-0.007046	0.76775836	0.89054584
Mrgpre	0.04248741	0.03841455	0.04546175	-0.0070472	0.7649145	0.89054584
Lap3	0.69134294	0.63656637	0.64361553	-0.0070492	0.5203479	0.89054584
Dennd5a	0.2593571	0.26252927	0.26958204	-0.0070528	0.54850555	0.89054584
Tm9sf1	0.13640856	0.13791933	0.14497897	-0.0070596	0.58973504	0.89054584
Atxn7l3	0.25586225	0.2590607	0.26613182	-0.0070711	0.54925841	0.89054584
Taz	0.59410127	0.56244841	0.56952621	-0.0070778	0.52308553	0.89054584
Gmeb1	0.15930844	0.16157975	0.16866462	-0.0070849	0.57757827	0.89054584
Cenpo	0.03764771	0.03319695	0.04028472	-0.0070878	0.79380714	0.89054584
Dyrk2	0.05313485	0.04975505	0.05684897	-0.0070939	0.71950373	0.89054584
Mllt6	0.12658129	0.12764312	0.13475208	-0.007109	0.59707609	0.89054584

C730034F03I	0.07011601	0.06789203	0.07500128	-0.0071092	0.67061552	0.89054584
Sytl3	0.03639038	0.03182926	0.03893966	-0.0071104	0.80253886	0.89054584
Ccdc112	0.18984675	0.19281194	0.19992394	-0.007112	0.56581731	0.89054584
Chrn2	0.03030521	0.02531617	0.0324294	-0.0071132	0.8465895	0.89825055
Zfp617	0.20838814	0.21159923	0.21871281	-0.0071136	0.56022156	0.89054584
Snrnp200	0.34355268	0.34378974	0.35090608	-0.0071163	0.53763719	0.89054584
Bbof1	0.05300355	0.04959139	0.05670857	-0.0071172	0.72063134	0.89054584
Abhd18	0.22862741	0.23193481	0.23905229	-0.0071175	0.55516193	0.89054584
Dazap2	0.80896874	0.71727207	0.72439024	-0.0071182	0.51825751	0.89054584
Fut8	0.23749993	0.24078915	0.24791159	-0.0071224	0.5532395	0.89054584
Hist1h1a	0.01742592	0.01152374	0.01864836	-0.0071246	0.96245813	0.96887363
Cfap52	0.03833122	0.03389079	0.04101591	-0.0071251	0.79083811	0.89054584
Snx32	0.07426141	0.07229583	0.07943059	-0.0071348	0.66220342	0.89054584
Ubxn10	0.14360267	0.1452991	0.15244197	-0.0071429	0.58640254	0.89054584
Nfya	0.19881814	0.20188473	0.20903339	-0.0071487	0.56329532	0.89054584
Ankrd9	0.05928443	0.05626868	0.06342405	-0.0071554	0.70042119	0.89054584
Khk	0.33650484	0.33707847	0.34423519	-0.0071567	0.53858132	0.89054584
Rbbp8	0.2199612	0.22319411	0.23036559	-0.0071715	0.55765909	0.89054584
Gm4978	0.03684332	0.03225103	0.0394242	-0.0071732	0.80169388	0.89054584
Mfn2	0.21295098	0.21614029	0.22331417	-0.0071739	0.55948615	0.89054584
Gm37035	0.03517307	0.03046296	0.03763738	-0.0071744	0.81275257	0.89054584
Orai2	0.11570863	0.11619805	0.12339554	-0.0071975	0.60709267	0.89054584
Klf11	0.17919147	0.18185841	0.18906021	-0.0072018	0.57043087	0.89054584
Sntb1	0.03407529	0.0292559	0.03646294	-0.007207	0.82143748	0.89054584
Ccdc181	0.27027156	0.27311277	0.28032059	-0.0072078	0.54767698	0.89054584
Paqr7	0.05845803	0.05532713	0.06254055	-0.0072134	0.70449107	0.89054584
Pik3c2g	0.06311477	0.0603039	0.06751866	-0.0072148	0.69069988	0.89054584
4933406118R	0.02858192	0.02336948	0.0305856	-0.0072161	0.86415828	0.90322015
Fgf11	0.02373915	0.01818525	0.02540391	-0.0072187	0.9072258	0.92829131
Dyx1c1	0.03702572	0.03239355	0.03961933	-0.0072258	0.80225381	0.89054584

Ly6g6e	0.04594434	0.04192479	0.04915925	-0.0072345	0.75352603	0.89054584
Tango6	0.06953724	0.06714643	0.0743828	-0.0072364	0.67481488	0.89054584
Capn9	0.02657455	0.02120034	0.02843778	-0.0072374	0.88213061	0.91223443
Fdx1l	0.5018936	0.48624833	0.49348657	-0.0072382	0.52724065	0.89054584
Kin	0.46250161	0.45212411	0.45937664	-0.0072525	0.52931745	0.89054584
Vti1a	0.10194963	0.10170786	0.10896127	-0.0072534	0.62177256	0.89054584
Dppa5a	0.03927777	0.03477355	0.04202846	-0.0072549	0.78936558	0.89054584
Gm15491	0.04795617	0.04405232	0.05131092	-0.0072586	0.74507422	0.89054584
Msrb1	0.46291202	0.45247526	0.45973681	-0.0072616	0.52933092	0.89054584
A330017A19	0.16298214	0.16518164	0.17244519	-0.0072636	0.57778849	0.89054584
Ccdc96	0.02862171	0.02336334	0.03062817	-0.0072648	0.86543648	0.90377426
4930524J08F	0.04278713	0.03851535	0.04578234	-0.007267	0.77020106	0.89054584
2510017J16F	0.03763365	0.03299786	0.04026968	-0.0072718	0.79991071	0.89054584
Kctd21	0.05779044	0.05454768	0.06182682	-0.0072791	0.70833178	0.89054584
Wdr82	0.44843236	0.43968444	0.44696792	-0.0072835	0.53025816	0.89054584
Tmem44	0.07802518	0.07616433	0.08345136	-0.007287	0.65793059	0.89054584
Polr1a	0.1503226	0.15210538	0.15939472	-0.0072893	0.58435989	0.89054584
Kcnip3	0.05302886	0.04943278	0.05673563	-0.0073029	0.72564215	0.89054584
Fam149b	0.08116491	0.0795019	0.08680489	-0.007303	0.65245665	0.89054584
Ppp1r2	1.34853911	0.98088695	0.98819279	-0.0073058	0.51373852	0.89054584
Rdh5	0.08385466	0.08236687	0.08967734	-0.0073105	0.64795143	0.89054584
Zfp758	0.13186587	0.13293951	0.14025615	-0.0073166	0.59601273	0.89054584
Mb21d1	0.04822429	0.04427923	0.05159767	-0.0073184	0.74563261	0.89054584
4933406P04I	0.02199128	0.0162117	0.02353362	-0.0073219	0.92640334	0.94226152
Naprt	0.08090081	0.07919855	0.08652283	-0.0073243	0.65335193	0.89054584
1010001N08	0.04394317	0.0396918	0.04701886	-0.0073271	0.76608485	0.89054584
Zfp629	0.1112263	0.11137166	0.11870087	-0.0073292	0.6131992	0.89054584
Tmem206	0.41885852	0.41317548	0.42050612	-0.0073306	0.53236604	0.89054584
Rassf6	0.05019049	0.04636483	0.0537004	-0.0073356	0.73774865	0.89054584
Faap24	0.17951508	0.18205377	0.18939085	-0.0073371	0.57161584	0.89054584

Ncdn	0.14121437	0.14261744	0.14996664	-0.0073492	0.59029895	0.89054584
Clcf1	0.0410317	0.03654663	0.04390464	-0.007358	0.78253856	0.89054584
A530017D24	0.04934579	0.04543405	0.05279706	-0.007363	0.74206659	0.89054584
Cdk18	0.0231991	0.01745257	0.02482603	-0.0073735	0.91677934	0.93483379
Efr3a	0.42971184	0.42290227	0.43027657	-0.0073743	0.53182066	0.89054584
Rtn4ip1	0.03133373	0.02615402	0.03352982	-0.0073758	0.84728579	0.89854206
Zfp607	0.04805145	0.04403609	0.05141282	-0.0073767	0.7480821	0.89054584
Ss18l1	0.0492959	0.04536589	0.0527437	-0.0073778	0.74270096	0.89054584
Slc25a39	0.67550883	0.62460644	0.63199326	-0.0073868	0.52171342	0.89054584
Mcoln1	0.13623521	0.13740975	0.14479888	-0.0073891	0.59396148	0.89054584
Dhx29	0.22873631	0.23176505	0.23916123	-0.0073962	0.55728134	0.89054584
Kctd8	0.12339235	0.12402951	0.13142581	-0.0073963	0.60341364	0.89054584
Gm26534	0.02644382	0.02090139	0.02829791	-0.0073965	0.88834157	0.91584392
Mlx	0.03165002	0.02647141	0.03386821	-0.0073968	0.84554478	0.89825055
Galnt3	0.03367453	0.02863624	0.03603418	-0.0073979	0.8305893	0.89271879
Fam227a	0.03037231	0.02510132	0.03250119	-0.0073999	0.85559763	0.9009252
Wdtdc1	0.15945216	0.16140674	0.16881262	-0.0074059	0.58097541	0.89054584
Ano8	0.03969436	0.03506348	0.0424741	-0.0074106	0.79185188	0.89054584
9130011E15I	0.02755894	0.02206928	0.02949105	-0.0074218	0.87949727	0.91117275
Tcea2	0.08950761	0.08828548	0.09571285	-0.0074274	0.64115075	0.89054584
Naa16	0.33941719	0.33956114	0.34699497	-0.0074338	0.53975269	0.89054584
Tex26	0.03639627	0.03150427	0.03894596	-0.0074417	0.81332577	0.89054584
D3Ertd751e	0.27788457	0.28033389	0.28777685	-0.007443	0.54795534	0.89054584
Gldc	0.06539511	0.06250954	0.06995603	-0.0074465	0.69002544	0.89054584
Slc25a29	0.12125455	0.12174007	0.12919382	-0.0074537	0.60595604	0.89054584
Leng1	0.35603063	0.35518538	0.36265147	-0.0074661	0.53820635	0.89054584
Oas1c	0.02883156	0.02338525	0.0308527	-0.0074675	0.87026182	0.90589084
Fbxo42	0.14202264	0.14333333	0.15080461	-0.0074713	0.59127149	0.89054584
Map2k1	0.68003303	0.62785417	0.63533142	-0.0074773	0.5218636	0.89054584
Rcbtb2	0.48227484	0.46913452	0.47661655	-0.007482	0.52915146	0.89054584

Slc22a17	0.32519779	0.3259953	0.33348078	-0.0074855	0.54164426	0.89054584
Rev3l	0.43287865	0.42561293	0.43311439	-0.0075015	0.53215654	0.89054584
Mzf1	0.03733572	0.03244729	0.03995096	-0.0075037	0.80922715	0.89054584
Dnm1	0.05288021	0.04906949	0.05657668	-0.0075072	0.7317774	0.89054584
3110056K07l	0.16412511	0.16610871	0.17362031	-0.0075116	0.57987234	0.89054584
Mavs	0.11391632	0.11400071	0.12151921	-0.0075185	0.61342344	0.89054584
Jazf1	0.06669535	0.06382601	0.0713457	-0.0075197	0.68830188	0.89054584
Homer1	0.04924089	0.04516275	0.05268487	-0.0075221	0.74703372	0.89054584
Setdb2	0.02284874	0.01692254	0.02445113	-0.0075286	0.92428592	0.94063578
Mterf1a	0.08604773	0.08448732	0.09201906	-0.0075317	0.64852195	0.89054584
Gpr137b-ps	0.07243711	0.06994847	0.07748146	-0.007533	0.67471007	0.89054584
Zfp13	0.07136286	0.06879247	0.07633361	-0.0075411	0.67733718	0.89054584
Cgref1	0.03424024	0.02909825	0.03663941	-0.0075412	0.8311973	0.89310742
Xpo1	0.57238486	0.54456588	0.55211088	-0.007545	0.52538265	0.89054584
4930430F08l	0.15034107	0.15186842	0.1594138	-0.0075454	0.58726579	0.89054584
Fbxl16	0.26262166	0.26525397	0.27279997	-0.007546	0.55127067	0.89054584
Gpkow	0.10307714	0.10260037	0.11014672	-0.0075463	0.62520965	0.89054584
Gmeb2	0.08345387	0.08169881	0.08924935	-0.0075505	0.65326454	0.89054584
Fam173a	1.03240872	0.84363808	0.85119397	-0.0075559	0.51649419	0.89054584
Cadps2	0.02717049	0.02151658	0.02907542	-0.0075588	0.88709104	0.91505129
Rbm14	0.39129604	0.38783276	0.39539396	-0.0075612	0.53549636	0.89054584
Sox5	0.0997128	0.09904209	0.10660332	-0.0075612	0.62947084	0.89054584
Tor4a	0.0416622	0.03699358	0.04457907	-0.0075855	0.78604005	0.89054584
Tctn3	0.06280945	0.0596065	0.06719229	-0.0075858	0.70054884	0.89054584
Bcar3	0.05720633	0.05361062	0.06120232	-0.0075917	0.7183368	0.89054584
Med24	0.15539587	0.15702707	0.16463222	-0.0076052	0.58520168	0.89054584
Unc13a	0.12168128	0.12203024	0.12963949	-0.0076093	0.60774972	0.89054584
Ppp1r7	0.49126609	0.47676353	0.48437686	-0.0076133	0.52918774	0.89054584
Map6	0.08188756	0.07995556	0.08757667	-0.0076211	0.65741966	0.89054584
Chst11	0.03282035	0.02749683	0.03512033	-0.0076235	0.84406527	0.89775379

Strada	0.13466316	0.1355368	0.14316529	-0.0076285	0.59802934	0.89054584
Trp53inp2	0.30153726	0.30313437	0.31076409	-0.0076297	0.54553327	0.89054584
Imp4	0.63275604	0.59211507	0.59974831	-0.0076332	0.52364194	0.89054584
Slc9a7	0.03618826	0.03108201	0.03872343	-0.0076414	0.82104723	0.89054584
Pacs2	0.12635235	0.12687125	0.13451339	-0.0076421	0.60437557	0.89054584
Gm7293	0.0301768	0.02464965	0.03229201	-0.0076424	0.86490041	0.90367009
Zfp786	0.04579254	0.04135453	0.0489969	-0.0076424	0.76629066	0.89054584
Zfp963	0.09451297	0.09340741	0.10105521	-0.0076478	0.63780052	0.89054584
Mtm1	0.09484569	0.09375928	0.10141027	-0.007651	0.63739261	0.89054584
Dguok	0.87489177	0.75763944	0.76529143	-0.007652	0.51857754	0.89054584
Ccl25	0.16540257	0.16727882	0.17493306	-0.0076542	0.58076582	0.89054584
Gm13225	0.05301495	0.04906398	0.05672076	-0.0076568	0.7352973	0.89054584
RP23-378D1f	0.01626083	0.00973646	0.01740159	-0.0076651	0.97992447	0.98311155
Kctd15	0.13400601	0.13481376	0.14248214	-0.0076684	0.59899396	0.89054584
Vdr	0.28238994	0.28449919	0.29217611	-0.0076769	0.5487142	0.89054584
Dvl1	0.08067419	0.07860369	0.08628079	-0.0076771	0.66076209	0.89054584
Lactb	0.14056932	0.14161913	0.1492977	-0.0076786	0.59468581	0.89054584
Bloc1s3	0.14019324	0.14121537	0.14890762	-0.0076922	0.59509489	0.89054584
Lrfn1	0.03113719	0.02562461	0.03331954	-0.0076949	0.85902553	0.90131997
Tex2	0.14009239	0.14110158	0.148803	-0.0077014	0.59527182	0.89054584
Cnnm3	0.1055579	0.10505085	0.11275334	-0.0077025	0.62485806	0.89054584
Grhl1	0.03612302	0.03094698	0.03865364	-0.0077067	0.82352619	0.8909122
Galnt14	0.03480656	0.02953577	0.03724527	-0.0077095	0.83256884	0.89391861
Ccdc94	0.05685075	0.05311157	0.06082214	-0.0077106	0.72261441	0.89054584
lcmt	0.12549626	0.12591004	0.13362073	-0.0077107	0.60597667	0.89054584
Zfp235	0.08910221	0.08756685	0.09528008	-0.0077132	0.64697131	0.89054584
Phka2	0.09415564	0.09296031	0.10067388	-0.0077136	0.63944097	0.89054584
Apoo-ps	0.02774595	0.02197705	0.02969114	-0.0077141	0.88694598	0.91505129
Snx33	0.03496422	0.02969038	0.03741394	-0.0077236	0.83191735	0.8933762
Nek4	0.06730135	0.06426847	0.07199336	-0.0077249	0.69142894	0.89054584

Pbx4	0.03038863	0.02478797	0.03251866	-0.0077307	0.86597707	0.90420854
Cad	0.09052758	0.08907088	0.09680162	-0.0077307	0.64507999	0.89054584
Gpalpp1	0.14446437	0.14559458	0.15333452	-0.0077399	0.59296224	0.89054584
Gm14167	0.06084087	0.05734125	0.06508795	-0.0077467	0.71038234	0.89054584
Cog5	0.03118068	0.02561809	0.03336607	-0.007748	0.86034243	0.90144139
Smim12	0.29878309	0.30035267	0.30810162	-0.007749	0.54663944	0.89054584
Klf7	0.54891599	0.52519178	0.53294483	-0.0077531	0.52701813	0.89054584
Traf4	0.80455985	0.71378859	0.72154218	-0.0077536	0.51996443	0.89054584
Arhgef5	0.12239283	0.12262303	0.13038247	-0.0077594	0.60921246	0.89054584
Arhgef1	0.58751486	0.55651522	0.56427749	-0.0077623	0.52555032	0.89054584
2810029C07I	0.02044164	0.01410931	0.02187542	-0.0077661	0.95093587	0.9598833
Ston2	0.03235354	0.02685467	0.03462091	-0.0077662	0.85201245	0.89988783
E130012A19I	0.02363606	0.01752558	0.02529359	-0.007768	0.92375992	0.94016646
Polk	0.13131794	0.13191687	0.13968595	-0.0077691	0.60222941	0.89054584
Myl4	0.04235822	0.03755277	0.04532357	-0.0077708	0.7877918	0.89054584
Asb8	0.32704694	0.3274586	0.33524413	-0.0077855	0.54308017	0.89054584
Lrr1	0.03504515	0.0297117	0.03750052	-0.0077888	0.83339233	0.89400829
Gid4	0.23918621	0.24180198	0.24959136	-0.0077894	0.55780197	0.89054584
Chrm3	0.0343064	0.02891814	0.03671018	-0.007792	0.83864382	0.89497393
Zfp217	0.10070527	0.09985702	0.10765242	-0.0077954	0.63207976	0.89054584
B3gnt1I	0.04064342	0.03568931	0.04348931	-0.0078	0.79831038	0.89054584
Ccdc64	0.06459878	0.06130308	0.06910489	-0.0078018	0.70055089	0.89054584
Actr8	0.37899686	0.37624697	0.384052	-0.007805	0.53771666	0.89054584
F2	0.03449199	0.02910304	0.03690873	-0.0078057	0.83776205	0.89485554
Pitpnc1	0.38605216	0.38275853	0.39056818	-0.0078097	0.53711113	0.89054584
Ube2s	1.0534008	0.85417105	0.8619815	-0.0078104	0.51683628	0.89054584
Ssc4d	0.03381856	0.02837486	0.03618827	-0.0078134	0.8427712	0.89720803
Pink1	0.46925377	0.45747473	0.4652896	-0.0078149	0.53118551	0.89054584
Tada2a	0.14815207	0.14932468	0.15715094	-0.0078263	0.59173858	0.89054584
mt-Nd3	2.09743067	1.1154211	1.12325358	-0.0078325	0.51295813	0.89054584

Txnl4a	0.97498496	0.81363139	0.82146756	-0.0078362	0.51772424	0.89054584
Zak	0.0852292	0.08330335	0.09114509	-0.0078417	0.65572933	0.89054584
1110046J04F	0.05729333	0.05344345	0.06129534	-0.0078519	0.72468187	0.89054584
C920021L13F	0.0361032	0.03077745	0.03863243	-0.007855	0.82825322	0.89229532
Lrrc48	0.0342125	0.02875264	0.03660973	-0.0078571	0.84131826	0.89621103
Rcbtb1	0.29290702	0.29454424	0.30240846	-0.0078642	0.54821671	0.89054584
Cdh3	0.03465333	0.02921379	0.03708134	-0.0078676	0.83854327	0.89497393
2510009E07I	0.14264905	0.14358616	0.15145386	-0.0078677	0.59561849	0.89054584
Perp	0.07871279	0.07631591	0.08418584	-0.0078699	0.6684115	0.89054584
Pole	0.05395589	0.04983926	0.0577269	-0.0078876	0.73780214	0.89054584
Mreg	0.06141783	0.05781687	0.06570472	-0.0078878	0.71202332	0.89054584
Lpcat4	0.08154026	0.07931586	0.08720576	-0.0078899	0.66331079	0.89054584
B830012L14I	0.17042614	0.17219893	0.18008893	-0.00789	0.58086858	0.89054584
Lrrc10b	0.03928973	0.03414034	0.04204126	-0.0079009	0.80936715	0.89054584
Slc22a23	0.03356686	0.0280172	0.03591899	-0.0079018	0.84729879	0.89854206
F2rl1	0.10206231	0.10116537	0.10907976	-0.0079144	0.63233121	0.89054584
Kit	0.23476752	0.23726522	0.24518694	-0.0079217	0.55982494	0.89054584
Col4a5	0.07761052	0.07507405	0.08300843	-0.0079344	0.67195777	0.89054584
Acy3	0.12105931	0.12104963	0.12898989	-0.0079403	0.61286402	0.89054584
Uimc1	0.44338802	0.43453899	0.44248997	-0.007951	0.53335857	0.89054584
2900093K20I	0.18640123	0.18845875	0.19641626	-0.0079575	0.5748556	0.89054584
Cables1	0.0272379	0.0211892	0.02914755	-0.0079583	0.89832436	0.92217705
Ltbp3	0.17969345	0.18160743	0.18957308	-0.0079656	0.57760234	0.89054584
Gm11992	0.03178701	0.02603521	0.03401478	-0.0079796	0.86279152	0.90270271
Gabbr2	0.03944343	0.03422394	0.04220567	-0.0079817	0.81086188	0.89054584
Nmb	0.09211977	0.09051302	0.09850108	-0.0079881	0.64721876	0.89054584
Sf3b5	1.48159506	1.02245618	1.03044684	-0.0079907	0.51440987	0.89054584
Pik3ip1	0.15222156	0.15336226	0.16135623	-0.007994	0.5912707	0.89054584
Cyb561d1	0.046497	0.0417532	0.04975034	-0.0079971	0.77304233	0.89054584
Scrib	0.1714536	0.17314136	0.18114216	-0.0080008	0.58151827	0.89054584

Ccdc137	0.2507741	0.25309157	0.26109885	-0.0080073	0.55680704	0.89054584
Arhgap17	0.30789786	0.30888877	0.3168982	-0.0080094	0.546868	0.89054584
Morn1	0.05868226	0.05477061	0.06278028	-0.0080097	0.72387748	0.89054584
Map2k6	0.05818529	0.05423574	0.06224896	-0.0080132	0.72565979	0.89054584
Usp25	0.1127479	0.1122798	0.12029539	-0.0080156	0.62188565	0.89054584
Mks1	0.15372268	0.15488628	0.16290592	-0.0080196	0.5907029	0.89054584
2010015M23	0.05504765	0.05087179	0.05889427	-0.0080225	0.73716612	0.89054584
Top2b	0.82764639	0.72827482	0.73629998	-0.0080252	0.52024928	0.89054584
Tmed2	2.62124976	1.11338452	1.1214097	-0.0080252	0.51329864	0.89054584
Slc16a11	0.03835158	0.03299478	0.04103769	-0.0080429	0.81940462	0.89054584
Rngtt	0.3185307	0.31905491	0.32710825	-0.0080533	0.54565941	0.89054584
Rwdd2a	0.04451184	0.03957291	0.04762711	-0.0080542	0.78461399	0.89054584
Mfap3	0.44167087	0.43290357	0.44096216	-0.0080586	0.53392585	0.89054584
Cdan1	0.06670186	0.06328992	0.07135267	-0.0080627	0.70071349	0.89054584
Rhebl1	0.03132683	0.02545768	0.03352244	-0.0080648	0.86882159	0.90515776
Gm26722	0.05381005	0.04949846	0.05757096	-0.0080725	0.74320836	0.89054584
Ak8	0.08019326	0.07768994	0.08576714	-0.0080772	0.6695824	0.89054584
Skida1	0.03970788	0.0344083	0.04248856	-0.0080803	0.81219503	0.89054584
Adora1	0.03296092	0.02719015	0.03527072	-0.0080806	0.85709755	0.9009252
Frem2	0.04531258	0.04040164	0.04848355	-0.0080819	0.78130757	0.89054584
1700049G17	0.04855193	0.04385757	0.05194807	-0.0080905	0.76595599	0.89054584
D17H6S53E	0.06230899	0.05855201	0.06665734	-0.0081053	0.71447748	0.89054584
2810454H06	0.10479237	0.10383053	0.11194921	-0.0081187	0.63227001	0.89054584
B630005N14	0.19752111	0.19959659	0.20771854	-0.008122	0.5722746	0.89054584
Hspb6	0.12935864	0.12950504	0.13764611	-0.0081411	0.60855419	0.89054584
A230046K03	0.28694454	0.2884641	0.29661395	-0.0081499	0.55092967	0.89054584
Itgb4	0.02576792	0.01941656	0.0275747	-0.0081581	0.91595649	0.93425758
Pard6b	0.11230676	0.11167114	0.11983319	-0.0081621	0.624503	0.89054584
Ndufc2	2.41688517	1.12080135	1.12896675	-0.0081654	0.51344037	0.89054584
Otud7b	0.21263901	0.21483218	0.22299985	-0.0081677	0.56774661	0.89054584

Mfhas1	0.17639192	0.17801651	0.1861983	-0.0081818	0.5811045	0.89054584
Tprn	0.0415584	0.03628601	0.04446804	-0.008182	0.80434283	0.89054584
Heatr1	0.04679199	0.04188326	0.05006583	-0.0081826	0.7768029	0.89054584
Lrrc73	0.23290358	0.23513797	0.24332635	-0.0081884	0.56229163	0.89054584
Mcm8	0.05847136	0.05436582	0.0625548	-0.008189	0.72903479	0.89054584
Zdhhc9	0.0916096	0.08975204	0.09795656	-0.0082045	0.65181224	0.89054584
Smcr8	0.05491529	0.05054371	0.05875274	-0.008209	0.74246209	0.89054584
Pqlc2	0.07363136	0.07054461	0.07875745	-0.0082128	0.68645796	0.89054584
Cpt1a	0.09057223	0.08863631	0.09684929	-0.008213	0.65361029	0.89054584
Adcy3	0.08115004	0.07856883	0.08678901	-0.0082202	0.67049101	0.89054584
Sorcs2	0.07736846	0.07452732	0.08274986	-0.0082225	0.67829663	0.89054584
Ftsj3	0.35889879	0.35711365	0.36533936	-0.0082257	0.54177132	0.89054584
R3hcc1l	0.17458153	0.17611426	0.1843459	-0.0082316	0.58239987	0.89054584
Ints2	0.19768938	0.19965657	0.20788917	-0.0082326	0.57318871	0.89054584
Taf5	0.05923372	0.05513559	0.06336984	-0.0082342	0.72753686	0.89054584
St8sia3	0.15760815	0.15865664	0.16691301	-0.0082564	0.59113094	0.89054584
Kif19a	0.07557258	0.07257031	0.08083138	-0.0082611	0.68301611	0.89054584
Nrf1	0.31354778	0.31406331	0.32233045	-0.0082671	0.54755749	0.89054584
Adcy9	0.05451753	0.05005868	0.05832744	-0.0082688	0.74552457	0.89054584
Gm12576	0.08808734	0.08592763	0.09419665	-0.008269	0.65872413	0.89054584
Adam22	0.0839404	0.08149837	0.0897689	-0.0082705	0.66612379	0.89054584
Pxylp1	0.0936123	0.09181552	0.10009402	-0.0082785	0.65000286	0.89054584
Foxred2	0.02569313	0.01921587	0.02749467	-0.0082788	0.91966686	0.93672405
Rapgef1	0.15634213	0.15732521	0.16560803	-0.0082828	0.59212514	0.89054584
Srfbp1	0.08781784	0.08562069	0.09390893	-0.0082882	0.65953344	0.89054584
Cep76	0.0918726	0.0899452	0.09823727	-0.0082921	0.65293438	0.89054584
Spsb1	0.11240337	0.11163515	0.11993442	-0.0082993	0.62642195	0.89054584
Tmem62	0.06011393	0.05600582	0.06431082	-0.008305	0.72629595	0.89054584
Zfp74	0.12609473	0.12593205	0.13424478	-0.0083127	0.61351494	0.89054584
Rnf169	0.05862082	0.05439767	0.06271459	-0.0083169	0.73166214	0.89054584

Cyb5d2	0.07736836	0.07442892	0.08274975	-0.0083208	0.68027777	0.89054584
Mafg	0.66697113	0.61732979	0.62565473	-0.0083249	0.52471529	0.89054584
4933406C10I	0.02675759	0.02030631	0.02863363	-0.0083273	0.91227965	0.93174592
Caprin2	0.05718271	0.05284717	0.06117707	-0.0083299	0.73707822	0.89054584
Lgals8	0.22128538	0.2233578	0.23169509	-0.0083373	0.56656943	0.89054584
Tmem129	0.2399873	0.24204471	0.25038889	-0.0083442	0.56169135	0.89054584
Cdk8	0.47757603	0.4641912	0.47254111	-0.0083499	0.53280567	0.89054584
Blm	0.0977979	0.09620929	0.10456038	-0.0083511	0.64509191	0.89054584
Zfp697	0.0354106	0.02953631	0.03789148	-0.0083552	0.84786234	0.89862623
Dync2li1	0.73046791	0.66321682	0.67157816	-0.0083613	0.52312775	0.89054584
Nr2c1	0.06871491	0.06514026	0.07350402	-0.0083638	0.70198728	0.89054584
Hic2	0.05167976	0.04692033	0.05529299	-0.0083727	0.75974232	0.89054584
Fam188b	0.06314068	0.05916048	0.06754635	-0.0083859	0.71850522	0.89054584
Zfyve26	0.0312539	0.02505449	0.03344442	-0.0083899	0.87874799	0.91059794
Nop9	0.27469379	0.27626004	0.2846552	-0.0083952	0.55464398	0.89054584
Jmjd7	0.04781692	0.04276293	0.051162	-0.0083991	0.77781678	0.89054584
Fbxl19	0.06884888	0.0652475	0.0736472	-0.0083997	0.70241771	0.89054584
Traf3ip2	0.1101498	0.10917205	0.11757227	-0.0084002	0.63038328	0.89054584
Nmral1	0.49328436	0.47769089	0.48611191	-0.008421	0.53216285	0.89054584
Vdac3-ps1	0.0300591	0.023741	0.03216608	-0.0084251	0.88882275	0.91618572
Zfp81	0.11937474	0.118804	0.12722977	-0.0084258	0.62116334	0.89054584
Pdp1	0.06078506	0.05660017	0.06502828	-0.0084281	0.72702205	0.89054584
0610009O20	0.33825713	0.3374576	0.34589622	-0.0084386	0.54524692	0.89054584
Accs	0.06554657	0.06167879	0.07011792	-0.0084391	0.71251008	0.89054584
Btbd8	0.02621826	0.01961712	0.02805656	-0.0084394	0.91945484	0.93657389
Dmap1	0.32660319	0.32637685	0.33482113	-0.0084443	0.54676798	0.89054584
B3galnt2	0.14646934	0.1469658	0.15541014	-0.0084443	0.59992297	0.89054584
Actr6	0.16850572	0.16967168	0.17811915	-0.0084475	0.58743617	0.89054584
Fam213b	0.41859827	0.41182229	0.42027099	-0.0084487	0.53730983	0.89054584
Cnksr1	0.04571906	0.04046324	0.0489183	-0.0084551	0.78966325	0.89054584

Fgd6	0.15474153	0.15550183	0.16395724	-0.0084554	0.59493783	0.89054584
Zfp653	0.05243878	0.04764762	0.05610464	-0.008457	0.75874556	0.89054584
Npc1	0.10648526	0.10526011	0.11372717	-0.0084671	0.63565219	0.89054584
Nfatc2	0.21817111	0.22009673	0.22856706	-0.0084703	0.56853788	0.89054584
Lnx1	0.12040147	0.11983204	0.12830267	-0.0084706	0.62080151	0.89054584
Rnf113a1	0.10235872	0.10092079	0.10939144	-0.0084706	0.64086117	0.89054584
2310022A10	0.18752782	0.18908947	0.19756373	-0.0084743	0.57919699	0.89054584
Med10	1.05146271	0.85250894	0.86098658	-0.0084776	0.51829461	0.89054584
Otud5	0.30605675	0.30664703	0.31512477	-0.0084777	0.54987229	0.89054584
Syt5	0.20845245	0.21029885	0.21877773	-0.0084789	0.57164372	0.89054584
Xpo5	0.02461027	0.01785405	0.02633602	-0.008482	0.93325639	0.94660649
Ggh	0.48525545	0.47071214	0.47919466	-0.0084825	0.53286381	0.89054584
Kif1c	0.11433769	0.1134728	0.12196044	-0.0084876	0.62711862	0.89054584
Adgb	0.04736072	0.04218442	0.05067409	-0.0084897	0.78246189	0.89054584
Bcl2l14	0.03689972	0.03099117	0.03948454	-0.0084934	0.84186855	0.89673133
Pik3c3	0.1197845	0.1191632	0.127658	-0.0084948	0.6217278	0.89054584
Gpatch2l	0.04317635	0.03769291	0.04619867	-0.0085058	0.80449013	0.89054584
Grk4	0.03832266	0.03250057	0.04100675	-0.0085062	0.83308316	0.89393134
Zscan20	0.02402333	0.01718861	0.02570798	-0.0085194	0.93869697	0.95044651
Tatdn2	0.07066642	0.06706857	0.07558944	-0.0085209	0.70027168	0.89054584
Plpp7	0.09803317	0.09627485	0.1048114	-0.0085365	0.64782521	0.89054584
Cyp4b1	0.03800493	0.03212502	0.04066686	-0.0085418	0.83610729	0.89462889
9530077C05I	0.04510161	0.03969986	0.0482579	-0.008558	0.79565905	0.89054584
Zfp2	0.08984688	0.0875082	0.09607501	-0.0085668	0.66108571	0.89054584
Zbtb39	0.04513487	0.03972148	0.04829348	-0.008572	0.79586826	0.89054584
Chml	0.07538251	0.07205246	0.08062832	-0.0085759	0.68988993	0.89054584
Diaph2	0.08271727	0.0798817	0.08846275	-0.008581	0.67433878	0.89054584
Rnf112	0.04069479	0.03495564	0.04354425	-0.0085886	0.82093218	0.89054584
Al846148	0.10942032	0.10821431	0.11680724	-0.0085929	0.63410115	0.89054584
Heatr3	0.22760173	0.22942381	0.23802595	-0.0086021	0.56685465	0.89054584

Pex3	0.36244317	0.36004135	0.36865476	-0.0086134	0.54334065	0.89054584
Taok3	0.59865585	0.56452416	0.57313872	-0.0086146	0.52791361	0.89054584
Raet1e	0.03429129	0.02806511	0.03669402	-0.0086289	0.86337065	0.90290403
Tmem5	0.72391468	0.6583361	0.6669702	-0.0086341	0.52404609	0.89054584
Ctf1	0.08634901	0.08370033	0.09234073	-0.0086404	0.66856024	0.89054584
Srebf2	0.29421858	0.29503515	0.3036807	-0.0086456	0.55275952	0.89054584
Eif4enif1	0.24265909	0.2444	0.2530467	-0.0086467	0.56324347	0.89054584
Zfp128	0.0275813	0.02086608	0.02951498	-0.0086489	0.91390962	0.93295744
Pgbd1	0.03448823	0.02825042	0.03690471	-0.0086543	0.86270184	0.90267402
Ift20	1.58178466	1.04787471	1.05653153	-0.0086568	0.51522536	0.89054584
Mief2	0.11516235	0.11415478	0.12282378	-0.008669	0.6288586	0.89054584
Ipp	0.20190234	0.20348186	0.21215703	-0.0086752	0.57554357	0.89054584
Mdm1	0.3525149	0.35066261	0.35935063	-0.008688	0.54484175	0.89054584
Hipk3	0.30352227	0.30398679	0.31268062	-0.0086938	0.55153406	0.89054584
Tubb4a	0.11926255	0.11841004	0.12711251	-0.0087025	0.62512296	0.89054584
Snapc4	0.04403306	0.03841025	0.04711501	-0.0087048	0.80531629	0.89054584
Rpl10-ps3	1.38401963	0.9915881	1.00029515	-0.008707	0.51617413	0.89054584
Elovl6	0.2080529	0.20966423	0.21837438	-0.0087102	0.5737102	0.89054584
Necap1	0.58329375	0.55218609	0.56089841	-0.0087123	0.52884482	0.89054584
Myo5a	0.09414071	0.09194464	0.10065794	-0.0087133	0.65663414	0.89054584
Egf	0.04509804	0.0395355	0.04825409	-0.0087186	0.8000447	0.89054584
Nup133	0.12983925	0.12942361	0.13814661	-0.008723	0.61568981	0.89054584
Adnp2	0.08429606	0.08141728	0.09014868	-0.0087314	0.67409335	0.89054584
Retsat	0.05149334	0.04635588	0.05509364	-0.0087378	0.77001634	0.89054584
Mturn	0.07073437	0.06692014	0.07566204	-0.0087419	0.70481098	0.89054584
Sass6	0.09781703	0.09583721	0.10458079	-0.0087436	0.6515526	0.89054584
Gbe1	0.14549778	0.14566069	0.15440454	-0.0087438	0.60404583	0.89054584
Prkcb	0.16178386	0.16246871	0.17121266	-0.0087439	0.59403434	0.89054584
Fdxacb1	0.05933917	0.05473566	0.06348257	-0.0087469	0.73954058	0.89054584
Zfp575	0.0567498	0.05196675	0.06071422	-0.0087475	0.74896672	0.89054584

Fut4	0.06092743	0.05643193	0.06518048	-0.0087486	0.73412116	0.89054584
Rhbdd3	0.18103326	0.18219052	0.19094145	-0.0087509	0.58453978	0.89054584
Zfp873	0.04704963	0.04158892	0.05034138	-0.0087525	0.79103388	0.89054584
Lrch2	0.12639978	0.12580642	0.13456283	-0.0087564	0.61912046	0.89054584
Cadm4	0.05073234	0.04551614	0.05427985	-0.0087637	0.77403617	0.89054584
Sec11a	1.9767887	1.10739067	1.11615487	-0.0087642	0.51459111	0.89054584
Samd10	0.29984877	0.3003614	0.30913227	-0.0087709	0.55258142	0.89054584
1700048O20	0.0700479	0.06615123	0.0749285	-0.0087773	0.70738351	0.89054584
Dach2	0.03392408	0.02752075	0.03630117	-0.0087804	0.8701057	0.90589084
Dync1li2	0.32627488	0.3257211	0.33450811	-0.008787	0.54870223	0.89054584
Aptx	0.34697779	0.34533654	0.35413844	-0.0088019	0.54609259	0.89054584
Map3k5	0.05092971	0.04568397	0.05449092	-0.008807	0.77427182	0.89054584
Lipe	0.04671932	0.04116814	0.04998811	-0.00882	0.79447006	0.89054584
Mansc1	0.10193447	0.10010727	0.10894532	-0.008838	0.64726636	0.89054584
Cenpp	0.06092395	0.05633834	0.06517676	-0.0088384	0.73623625	0.89054584
Tmem161b	0.06966553	0.06567654	0.07451989	-0.0088434	0.70982773	0.89054584
Dnajc22	0.03413418	0.02767208	0.03652593	-0.0088539	0.8706193	0.90598899
Tsga10	0.10994425	0.10849564	0.11735672	-0.0088611	0.63749686	0.89054584
Setd6	0.16284088	0.16343875	0.17229993	-0.0088612	0.59468129	0.89054584
Eif2ak3	0.08971862	0.08707452	0.0959381	-0.0088636	0.66655954	0.89054584
Ppfibp2	0.04797551	0.04246503	0.0513316	-0.0088666	0.78951653	0.89054584
Zbtb2	0.1142944	0.11304783	0.12191512	-0.0088673	0.6326426	0.89054584
2810001G20	0.23985311	0.2413824	0.25025532	-0.0088729	0.56560076	0.89054584
Lhpp	0.06289289	0.05840329	0.06728148	-0.0088782	0.73064845	0.89054584
Gm14295	0.06990918	0.0659015	0.07478026	-0.0088788	0.70992373	0.89054584
Zfp7	0.06124877	0.05663906	0.065524	-0.0088849	0.73622295	0.89054584
Ltbr	0.21362602	0.21510296	0.22399412	-0.0088912	0.5733583	0.89054584
Pbld2	0.06805159	0.06389739	0.07279516	-0.0088978	0.715479	0.89054584
C130021I20R	0.03630828	0.02993838	0.03885183	-0.0089134	0.85743396	0.9009252
Galnt7	0.14480375	0.1447704	0.15368597	-0.0089156	0.60652474	0.89054584

Hsbp1	2.28427539	1.11998082	1.12890293	-0.0089221	0.51468624	0.89054584
Rps2-ps6	0.05665575	0.05168385	0.06061366	-0.0089298	0.75376041	0.89054584
Yjefn3	0.04144058	0.03540966	0.04434201	-0.0089324	0.8260081	0.89170439
Osbpl8	0.09425087	0.09183154	0.1007755	-0.008944	0.66037517	0.89054584
Zhx3	0.12112113	0.12010669	0.12905446	-0.0089478	0.62665993	0.89054584
Scfd2	0.0855828	0.08256794	0.09152264	-0.0089547	0.67574659	0.89054584
Ndor1	0.035111	0.02860655	0.03757097	-0.0089644	0.86684964	0.90430169
Ap5z1	0.0953302	0.09295459	0.1019273	-0.0089727	0.6591443	0.89054584
Cdkl2	0.16552163	0.16607942	0.17505537	-0.0089759	0.59440332	0.89054584
Kdf1	0.31120483	0.31110235	0.32007955	-0.0089772	0.55198111	0.89054584
Nxn	0.1772327	0.17806743	0.18705813	-0.0089907	0.58859242	0.89054584
C030037D09	0.03385157	0.02722385	0.03622359	-0.0089997	0.87646847	0.9091719
Kdm5d	0.12750216	0.12669701	0.13571196	-0.0090149	0.62152169	0.89054584
Gm11423	0.04754272	0.04185112	0.05086874	-0.0090176	0.79557013	0.89054584
Vps33a	0.16748349	0.16805206	0.17707003	-0.009018	0.593778	0.89054584
Zfp882	0.11301169	0.1115477	0.12057173	-0.009024	0.63633991	0.89054584
Cmas	0.49342328	0.47720168	0.48623124	-0.0090296	0.53447305	0.89054584
Tpbp	0.20988707	0.21118656	0.2202254	-0.0090388	0.57582327	0.89054584
Kif13a	0.07706289	0.07338289	0.08242344	-0.0090405	0.69532869	0.89054584
Efcc1	0.06493294	0.06042098	0.06946206	-0.0090411	0.72787564	0.89054584
Amacr	0.16873168	0.16930902	0.17835099	-0.009042	0.59336016	0.89054584
Rfwd3	0.22501157	0.22639001	0.23543202	-0.009042	0.57100424	0.89054584
Wdr55	0.14707817	0.14698624	0.15604011	-0.0090539	0.60654466	0.89054584
Unc79	0.0636269	0.05901123	0.06806607	-0.0090548	0.73229857	0.89054584
Cblb	0.08834794	0.08541967	0.09447486	-0.0090552	0.6723993	0.89054584
Prkag2	0.10856716	0.1068458	0.11591225	-0.0090665	0.64222563	0.89054584
Slc25a26	0.06123585	0.05644362	0.06551018	-0.0090666	0.74046966	0.89054584
Eif2a	0.7788773	0.69560376	0.70467064	-0.0090669	0.5239006	0.89054584
Srsf4	0.50231456	0.48477885	0.49384599	-0.0090671	0.53408368	0.89054584
Ilk	0.96791214	0.80863084	0.8177134	-0.0090826	0.5206353	0.89054584

Espl1	0.03659265	0.03004266	0.03915605	-0.0091134	0.86089454	0.90182436
Lnpep	0.08058947	0.07707529	0.08619031	-0.009115	0.68888935	0.89054584
2210404O09	0.08093349	0.0774352	0.08655774	-0.0091225	0.6882929	0.89054584
Ptpn3	0.05167719	0.04616161	0.05529024	-0.0091286	0.77911554	0.89054584
Trnt1	0.47772916	0.4635441	0.47267413	-0.00913	0.53585271	0.89054584
Rnf213	0.06873928	0.0643942	0.07353007	-0.0091359	0.71865768	0.89054584
Zfp867	0.03357659	0.02679335	0.0359294	-0.0091361	0.88192523	0.91223443
Ptprm	0.04923834	0.04354515	0.05268215	-0.009137	0.79046328	0.89054584
Inpp4a	0.26111942	0.26218133	0.27131981	-0.0091385	0.56234623	0.89054584
Catsper2	0.06257851	0.05780514	0.06694544	-0.0091403	0.73764497	0.89054584
Cnot7	1.06044223	0.85643372	0.86557493	-0.0091412	0.51962101	0.89054584
Casp7	0.14293182	0.1426025	0.15174689	-0.0091444	0.61054951	0.89054584
Clip2	0.08954345	0.0866063	0.09575111	-0.0091448	0.67182456	0.89054584
Arl4d	0.04379246	0.03771227	0.04685766	-0.0091454	0.81840509	0.89054584
Syndig1l	0.04857851	0.04282622	0.05197649	-0.0091503	0.79394594	0.89054584
B130006D01	0.03696026	0.03039604	0.0395493	-0.0091533	0.85954156	0.90131997
Ccdc93	0.04765508	0.04182884	0.05098892	-0.0091601	0.79869562	0.89054584
Ccnj	0.10570207	0.10373337	0.11290475	-0.0091714	0.64745217	0.89054584
Gm10069	0.12552814	0.12447321	0.13365398	-0.0091808	0.62552539	0.89054584
Tctn1	0.06399226	0.05927528	0.0684566	-0.0091813	0.73396591	0.89054584
Uba52	2.08778577	1.113588	1.12277925	-0.0091912	0.51521151	0.89054584
Coro7	0.14307091	0.1426964	0.15189102	-0.0091946	0.61103819	0.89054584
Focad	0.0436627	0.03751534	0.04671887	-0.0092035	0.82063888	0.89054584
Tubgcp6	0.03740583	0.03081626	0.04002596	-0.0092097	0.85813802	0.90124396
Tmem170	0.03999703	0.03358294	0.04279787	-0.0092149	0.84210093	0.89691028
Dusp16	0.07813153	0.07433303	0.08356497	-0.0092319	0.6966194	0.89054584
Sh3gl2	0.0795972	0.07589771	0.0851305	-0.0092328	0.69332014	0.89054584
Tnr	0.0640354	0.05926983	0.06850271	-0.0092329	0.73497774	0.89054584
Enoph1	0.22866305	0.22985365	0.23908794	-0.0092343	0.57140106	0.89054584
Itga2b	0.05130989	0.0456472	0.05489746	-0.0092503	0.78378352	0.89054584

Gtpbp10	0.12482748	0.12366071	0.13292321	-0.0092625	0.62727682	0.89054584
B4galt3	0.56882531	0.53996305	0.54922729	-0.0092642	0.53131904	0.89054584
Dynlrb2	0.11612988	0.11456949	0.12383636	-0.0092669	0.63631863	0.89054584
Pwp2	0.07582035	0.07182332	0.08109607	-0.0092728	0.70288501	0.89054584
Btbd10	0.38188861	0.37745296	0.38672615	-0.0092732	0.54447543	0.89054584
Slc9a6	0.10257148	0.10034061	0.10961513	-0.0092745	0.65328059	0.89054584
Asphd1	0.05864347	0.05345919	0.0627388	-0.0092796	0.75461923	0.89054584
Sdcbp2	0.06605326	0.06136563	0.07065947	-0.0092938	0.72999257	0.89054584
Lgals12	0.04097267	0.03453218	0.0438415	-0.0093093	0.83873712	0.89497393
Klhl1	0.03101352	0.02387782	0.03318723	-0.0093094	0.90437473	0.92615843
Fbxo33	0.15343334	0.15329624	0.16260729	-0.009311	0.60517894	0.89054584
Fam208b	0.15097516	0.15075311	0.16006893	-0.0093158	0.60686017	0.89054584
Eif4ebp2	0.12341597	0.12212956	0.13145047	-0.0093209	0.62943483	0.89054584
Qpctl	0.28012325	0.28064202	0.28996404	-0.009322	0.5595308	0.89054584
Rbak	0.14541998	0.14499569	0.154324	-0.0093283	0.61088088	0.89054584
2610301B20	0.25540798	0.25634316	0.26568297	-0.0093398	0.56504791	0.89054584
Dennd1a	0.15067021	0.15041239	0.15975389	-0.0093415	0.6073537	0.89054584
Vps13b	0.15346084	0.15328494	0.16263567	-0.0093507	0.60559865	0.89054584
Lonrf2	0.03332894	0.02629275	0.03566445	-0.0093717	0.88957098	0.91676145
Smad4	0.33823496	0.33650317	0.34587521	-0.009372	0.55022961	0.89054584
Slc29a3	0.07312148	0.0688399	0.07821267	-0.0093728	0.71168492	0.89054584
Hmga1	0.14458973	0.14407768	0.15346435	-0.0093867	0.61216448	0.89054584
Gm4950	0.28000379	0.28045143	0.28984739	-0.009396	0.56002337	0.89054584
Zfp456	0.02652694	0.01899073	0.02838684	-0.0093961	0.93847777	0.95040868
Wdr45	0.3032727	0.30304233	0.31243977	-0.0093974	0.55572129	0.89054584
Commd10	0.47228514	0.4585345	0.46793587	-0.0094014	0.53728794	0.89054584
Tnfrsf19	0.07366924	0.06939614	0.07879792	-0.0094018	0.71085416	0.89054584
Gm20604	0.3884557	0.3833747	0.39278167	-0.009407	0.54442173	0.89054584
Ghdc	0.18926905	0.18992763	0.19933617	-0.0094085	0.58702512	0.89054584
Uevld	0.04859612	0.04258435	0.05199532	-0.009411	0.80045635	0.89054584

Trim45	0.11051233	0.10854105	0.11795239	-0.0094113	0.64495442	0.89054584
Gm7160	0.04138361	0.03486509	0.04428107	-0.009416	0.83907983	0.89500145
Wbp4	1.05059715	0.85112347	0.86054534	-0.0094219	0.52034099	0.89054584
Ppp1r12c	0.12185414	0.12039006	0.12982	-0.0094299	0.6324763	0.89054584
Slc25a35	0.04039606	0.03379129	0.0432247	-0.0094334	0.84536919	0.89825055
Pigg	0.06307245	0.05803655	0.06747342	-0.0094369	0.74267098	0.89054584
Nmnat1	0.12839888	0.12720862	0.13664636	-0.0094377	0.6261898	0.89054584
Galnt10	0.13862206	0.13783472	0.14727735	-0.0094426	0.61741784	0.89054584
Ctns	0.05013581	0.04419692	0.05364192	-0.009445	0.79398402	0.89054584
Dennd2d	0.02906931	0.0216567	0.03110708	-0.0094504	0.92152344	0.93827146
Gm21967	0.06869221	0.06402834	0.07347976	-0.0094514	0.72550089	0.89054584
Tmem25	0.03347375	0.02635871	0.03581938	-0.0094607	0.89074994	0.91722772
Ubxn11	0.07889603	0.07490126	0.08438157	-0.0094803	0.69966402	0.89054584
Mbd1	0.21470194	0.21559519	0.22507747	-0.0094823	0.57780305	0.89054584
Gm8394	0.04672364	0.04051013	0.04999273	-0.0094826	0.81157246	0.89054584
Stat2	0.05410747	0.04838903	0.05788898	-0.0095	0.77773382	0.89054584
Hltf	0.1718872	0.17208495	0.18158651	-0.0095016	0.59629953	0.89054584
Tmem237	0.3962345	0.39042253	0.39992513	-0.0095026	0.54407324	0.89054584
Gng13	0.0552742	0.04963186	0.05913651	-0.0095046	0.77301194	0.89054584
Igfals	0.05488517	0.04921201	0.05872054	-0.0095085	0.77470026	0.89054584
Echdc3	0.04577885	0.03947026	0.04898225	-0.009512	0.81719629	0.89054584
Pax6os1	0.1121204	0.11012497	0.11963792	-0.009513	0.64447771	0.89054584
Mfsd3	0.07180805	0.06729167	0.07680931	-0.0095176	0.71813208	0.89054584
Ccp110	0.17503059	0.17527802	0.18480551	-0.0095275	0.59490757	0.89054584
Gm6710	0.12969091	0.12846096	0.13799214	-0.0095312	0.62619598	0.89054584
Hspa1b	0.04176145	0.03515335	0.04468523	-0.0095319	0.83984132	0.89542723
Atxn7	0.20909582	0.2098934	0.21942706	-0.0095337	0.58020638	0.89054584
BC067074	0.02355906	0.01567517	0.0252112	-0.009536	0.96098433	0.96772597
Pla1a	0.05605688	0.0504288	0.05997336	-0.0095446	0.77079116	0.89054584
Ccdc184	0.13485653	0.133821	0.14336629	-0.0095453	0.62179217	0.89054584

Zbtb26	0.12149107	0.11989279	0.12944085	-0.0095481	0.63444959	0.89054584
Gm2000	0.97420618	0.81149375	0.82105497	-0.0095612	0.52163342	0.89054584
Mrps23	0.64093963	0.59644123	0.60601766	-0.0095764	0.52934427	0.89054584
Agpat4	0.44271849	0.43231777	0.44189447	-0.0095767	0.54021215	0.89054584
Mgea5	0.37488293	0.37066146	0.38023961	-0.0095782	0.54671171	0.89054584
Crybb3	0.04146657	0.03478834	0.04436981	-0.0095815	0.84281115	0.89720803
Aif1l	0.03217321	0.02484223	0.03442797	-0.0095857	0.90271606	0.92504788
Mgrn1	0.33890273	0.33691449	0.34650779	-0.0095933	0.55131561	0.89054584
Athl1	0.13433311	0.13322744	0.1428222	-0.0095948	0.62285464	0.89054584
Msantd2	0.11277435	0.11071725	0.1203231	-0.0096058	0.64503157	0.89054584
Ndufs8	1.39288874	0.99364862	1.00325879	-0.0096102	0.51779801	0.89054584
Upf2	0.83214826	0.72952019	0.73913243	-0.0096122	0.52415649	0.89054584
Asb6	0.1764203	0.17661352	0.18622733	-0.0096138	0.5950339	0.89054584
6430548M08	0.05681506	0.05116982	0.06078399	-0.0096142	0.76940905	0.89054584
Clcn2	0.06290896	0.05767344	0.06729867	-0.0096252	0.7474011	0.89054584
Tmppe	0.10041819	0.09772279	0.10735039	-0.0096276	0.66196507	0.89054584
Bcdin3d	0.19590344	0.19644219	0.20607763	-0.0096354	0.58622114	0.89054584
Pcdhga8.1	0.04295219	0.03632311	0.0459589	-0.0096358	0.83566546	0.89459411
Vps50	0.25070385	0.25138851	0.26102927	-0.0096408	0.56830942	0.89054584
Thg1l	0.05565698	0.04989391	0.05954578	-0.0096519	0.77492801	0.89054584
E2f3	0.08222878	0.07828717	0.08794107	-0.0096539	0.69548013	0.89054584
Mdfic	0.06361573	0.05840014	0.06805413	-0.009654	0.74566374	0.89054584
Plekha8	0.12226133	0.12058996	0.13024518	-0.0096552	0.63509284	0.89054584
Angel1	0.03771482	0.03069562	0.04035651	-0.0096609	0.86763854	0.90444517
Porcn	0.04820738	0.0419141	0.05157959	-0.0096655	0.80867895	0.89054584
Nos1ap	0.05304318	0.04707963	0.05675095	-0.0096713	0.7863913	0.89054584
Tns3	0.32851707	0.32696905	0.33664477	-0.0096757	0.55326135	0.89054584
Dffa	0.18697717	0.18732128	0.19700294	-0.0096817	0.59055098	0.89054584
Arih2	0.23047211	0.23121439	0.24089696	-0.0096826	0.5742718	0.89054584
D730003115F	0.0732214	0.06863186	0.07831944	-0.0096876	0.71778666	0.89054584

Tmem260	0.13522045	0.13405458	0.14374451	-0.0096899	0.62326336	0.89054584
Nphp4	0.03021898	0.02264295	0.03233715	-0.0096942	0.91874525	0.93597769
Rab3gap1	0.36460145	0.36094193	0.37067081	-0.0097289	0.54866206	0.89054584
Ikzf4	0.09972634	0.09688788	0.10661776	-0.0097299	0.66464452	0.89054584
Pdk1	0.20475711	0.20531294	0.21504463	-0.0097317	0.58349283	0.89054584
Arf3	0.61092131	0.57306777	0.58280024	-0.0097325	0.5310072	0.89054584
Yeats2	0.17245685	0.17243534	0.18217017	-0.0097348	0.59830613	0.89054584
Ablim1	0.18768226	0.18798338	0.19772099	-0.0097376	0.5907402	0.89054584
Gm10244	0.03547791	0.02822156	0.03796349	-0.0097419	0.88406313	0.91361803
Zfp3	0.03291135	0.02545008	0.03521769	-0.0097676	0.90184814	0.92431323
Ccdc149	0.05255473	0.04645706	0.05622864	-0.0097716	0.79092779	0.89054584
Snapc2	0.23277211	0.23340663	0.24319505	-0.0097884	0.57437307	0.89054584
Tle2	0.38068151	0.37581762	0.38561045	-0.0097928	0.54709171	0.89054584
Nek8	0.05843618	0.05272419	0.06251719	-0.009793	0.76724364	0.89054584
Zfp189	0.07180813	0.06699662	0.0768094	-0.0098128	0.72414586	0.89054584
Cspg5	0.03604749	0.02874455	0.03857283	-0.0098283	0.88240375	0.91235841
Zfp511	0.32150375	0.32012008	0.32995279	-0.0098327	0.55521097	0.89054584
Syvn1	0.2217842	0.22235027	0.23219572	-0.0098454	0.57829985	0.89054584
Numb	0.23636832	0.23693358	0.24678361	-0.00985	0.57376002	0.89054584
Sos2	0.13065024	0.12912993	0.13899098	-0.009861	0.62950384	0.89054584
Slc6a8	0.07010971	0.06513209	0.07499455	-0.0098625	0.72996029	0.89054584
Zfp668	0.14145115	0.14033219	0.15021214	-0.00988	0.62036298	0.89054584
Vps9d1	0.25651883	0.25687518	0.26678039	-0.0099052	0.56866657	0.89054584
Nt5dc3	0.03958428	0.03244918	0.04235634	-0.0099072	0.8620834	0.90260095
Gm15013	0.07352406	0.06873471	0.0786428	-0.0099081	0.72138915	0.89054584
Pyroxd2	0.06149535	0.05587002	0.06578759	-0.0099176	0.75876683	0.89054584
Sowahc	0.13630071	0.13494869	0.14486693	-0.0099182	0.62512617	0.89054584
Cobll1	0.10174617	0.09882902	0.1087473	-0.0099183	0.66455182	0.89054584
Mpzl1	1.22449838	0.93087837	0.94079822	-0.0099198	0.51958985	0.89054584
Gm9776	0.03114638	0.02339407	0.03332937	-0.0099353	0.91755385	0.93505805

Spsb3	0.22754838	0.22803711	0.23797255	-0.0099354	0.57711274	0.89054584
Rexo2	0.84840573	0.73930268	0.74923884	-0.0099362	0.52463312	0.89054584
Zfp276	0.08836484	0.0845489	0.0944929	-0.009944	0.68803404	0.89054584
Ppp1r13l	0.03199925	0.0242864	0.03424185	-0.0099555	0.91221752	0.93174592
Slc25a15	0.05748576	0.05153085	0.06150107	-0.0099702	0.77496025	0.89054584
Acadl	0.67666331	0.62287332	0.63284645	-0.0099731	0.52926443	0.89054584
Wdr45b	0.76327084	0.68420989	0.69418563	-0.0099757	0.52668962	0.89054584
Hus1	0.09540581	0.09202766	0.10200799	-0.0099803	0.67574199	0.89054584
2700033N17	0.13061505	0.12895683	0.13895434	-0.0099975	0.63126375	0.89054584
Snx29	0.13606226	0.13462076	0.14461922	-0.0099985	0.62631248	0.89054584
D630045J12F	0.06340671	0.05781534	0.06783071	-0.0100154	0.75424339	0.89054584
Arl15	0.10628108	0.10348424	0.11351278	-0.0100285	0.6596854	0.89054584
Ubiad1	0.05343286	0.04713674	0.05716763	-0.0100309	0.79317259	0.89054584
Mgat5	0.18100379	0.18087601	0.19091136	-0.0100353	0.59673287	0.89054584
Rps29	5.40513944	0.65916042	0.66920938	-0.010049	0.52788703	0.89054584
Rab40b	0.12784336	0.12601042	0.13606753	-0.0100571	0.63471021	0.89054584
Eif4b	1.0732028	0.86194305	0.87200198	-0.0100589	0.52143001	0.89054584
Gpr27	0.07247111	0.06745764	0.07751778	-0.0100601	0.72728769	0.89054584
Stxbp5	0.09438188	0.0908406	0.10091531	-0.0100747	0.67907631	0.89054584
Sacm1l	0.41208069	0.40428991	0.41437055	-0.0100806	0.54511984	0.89054584
Xrn1	0.42022935	0.41165922	0.42174398	-0.0100848	0.5443523	0.89054584
Slc10a3	0.1011801	0.09805879	0.10815193	-0.0100931	0.6681424	0.89054584
Epb41l4a	0.17379232	0.17344076	0.18353794	-0.0100972	0.60114333	0.89054584
Coa4	0.20587077	0.20607194	0.21617028	-0.0100983	0.58614568	0.89054584
Tmem87a	0.23911564	0.23942	0.24952109	-0.0101011	0.5747979	0.89054584
Mms22l	0.05907541	0.0530907	0.06320059	-0.0101099	0.77194509	0.89054584
Slmap	0.41589906	0.40769947	0.41783001	-0.0101305	0.54496841	0.89054584
Sep-03	0.04599114	0.03907519	0.04920931	-0.0101341	0.83133597	0.89319023
Nck2	0.10559851	0.10265573	0.11279598	-0.0101403	0.66233147	0.89054584
2310015A10	0.19991485	0.20000292	0.2101446	-0.0101417	0.58894925	0.89054584

Lrrn2	0.04967188	0.04298349	0.05314579	-0.0101623	0.81349847	0.89054584
Chn1	0.14546162	0.14419523	0.15436711	-0.0101719	0.62057699	0.89054584
Clip4	0.03341521	0.02558103	0.03575675	-0.0101757	0.90755523	0.92849733
O610040B10	0.08648442	0.08230445	0.09248531	-0.0101809	0.6959754	0.89054584
Ncapd3	0.23348595	0.2336906	0.24390784	-0.0102172	0.5773669	0.89054584
Mknk2	0.16151679	0.16071608	0.17093787	-0.0102218	0.60972276	0.89054584
Gm16740	0.04275087	0.03551333	0.04574356	-0.0102302	0.85128022	0.89968367
G730003C15	0.08056465	0.07592489	0.0861638	-0.0102389	0.71008243	0.89054584
L2hgdh	0.10316422	0.09999627	0.11023825	-0.010242	0.66743873	0.89054584
Chst9	0.05918242	0.0530719	0.06331499	-0.0102431	0.77449212	0.89054584
Mok	0.07150489	0.06623892	0.07648537	-0.0102465	0.73373232	0.89054584
Hnf4a	0.13108364	0.12918976	0.1394421	-0.0102523	0.63402914	0.89054584
Eny2	1.61317738	1.05350377	1.06375794	-0.0102542	0.51791055	0.89054584
Ankrd42	0.05205334	0.04543597	0.05569249	-0.0102565	0.80455545	0.89054584
lqcc	0.22657226	0.22673708	0.23699535	-0.0102583	0.57990907	0.89054584
Tbc1d13	0.06337218	0.05750977	0.06779381	-0.010284	0.76013655	0.89054584
Grk5	0.13414738	0.13233816	0.14262912	-0.010291	0.63162161	0.89054584
Bnip1	0.35412995	0.35056726	0.3608678	-0.0103005	0.55289697	0.89054584
Mak16	0.47554866	0.46047553	0.4707785	-0.010303	0.54060606	0.89054584
Zfp27	0.07454056	0.06942308	0.07972883	-0.0103057	0.72648434	0.89054584
Nle1	0.1494036	0.14813489	0.15844493	-0.01031	0.61911541	0.89054584
Dis3l	0.13421891	0.13239217	0.14270348	-0.0103113	0.63180608	0.89054584
Ap3b1	0.51048015	0.49048315	0.50079565	-0.0103125	0.53821509	0.89054584
Tlcd1	0.13065991	0.12868434	0.13900104	-0.0103167	0.63524895	0.89054584
Mkks	0.48379792	0.46761539	0.47793464	-0.0103192	0.54006314	0.89054584
Rfx2	0.0564294	0.05004055	0.06037165	-0.0103311	0.78735051	0.89054584
Stradb	0.19708806	0.19694802	0.20727938	-0.0103314	0.59181415	0.89054584
Cldn23	0.07273975	0.06747148	0.07780482	-0.0103333	0.73196245	0.89054584
Mterf2	0.08785007	0.08360164	0.09394335	-0.0103417	0.69598133	0.89054584
Dpf3	0.09381368	0.08996668	0.10030894	-0.0103423	0.68451283	0.89054584

Pvrl4	0.0405326	0.0330192	0.04337076	-0.0103516	0.86692597	0.90430169
Me2	0.22815206	0.22822455	0.23857669	-0.0103521	0.58010313	0.89054584
Stard13	0.09046379	0.08637604	0.09673353	-0.0103575	0.69105527	0.89054584
Pml	0.07087712	0.06545615	0.07581458	-0.0103584	0.73778917	0.89054584
Lrrc1	0.08951491	0.08535717	0.09572064	-0.0103635	0.69301465	0.89054584
Fam35a	0.11199939	0.10914657	0.11951111	-0.0103645	0.65691001	0.89054584
Glcci1	0.04065741	0.03313727	0.04350427	-0.010367	0.8665476	0.90430169
Tom1	0.12225588	0.11985449	0.13023948	-0.010385	0.64486487	0.89054584
Pxk	0.31834648	0.31654141	0.32693184	-0.0103904	0.55885574	0.89054584
Flnb	0.19106568	0.1907602	0.20116365	-0.0104034	0.59520052	0.89054584
Cx3cl1	0.06626641	0.06048283	0.07088728	-0.0104044	0.7529537	0.89054584
Slc39a14	0.04749555	0.04040612	0.05081829	-0.0104122	0.83010283	0.89271879
Armcx5	0.15797979	0.1568726	0.16729597	-0.0104234	0.61419709	0.89054584
Camk1g	0.05959082	0.05332357	0.0637516	-0.010428	0.77699275	0.89054584
Pced1b	0.07690322	0.07182363	0.08225287	-0.0104292	0.72264934	0.89054584
Lrrc3	0.0475249	0.04041925	0.05084968	-0.0104304	0.83037674	0.89271879
Mars2	0.06092736	0.05474901	0.06518041	-0.0104314	0.77204892	0.89054584
Ddx56	0.35529939	0.3515323	0.36196548	-0.0104332	0.55341256	0.89054584
Phlpp1	0.05874537	0.05241405	0.06284775	-0.0104337	0.78037394	0.89054584
Aarsd1	0.06684503	0.06106913	0.07150568	-0.0104365	0.75174508	0.89054584
Enpp1	0.04092011	0.03334872	0.04378527	-0.0104366	0.86660696	0.90430169
Oscp1	0.19789992	0.19766485	0.20810263	-0.0104378	0.59238257	0.89054584
Lpin1	0.11495833	0.11216592	0.12261021	-0.0104443	0.65426546	0.89054584
Tusc1	0.03022032	0.02189153	0.03233858	-0.0104471	0.93384844	0.94691109
Spata1	0.05849176	0.05211661	0.06257661	-0.01046	0.78194123	0.89054584
Cebpg	0.30247722	0.30119944	0.31167187	-0.0104724	0.562198	0.89054584
Zbtb22	0.04808739	0.04097403	0.05145126	-0.0104772	0.8286184	0.89245298
Mtmr9	0.07648979	0.07133231	0.08181122	-0.0104789	0.72466192	0.89054584
Rgl2	0.38678395	0.38075676	0.39124245	-0.0104857	0.54968451	0.89054584
Trim68	0.06604972	0.06016298	0.07065568	-0.0104927	0.75549201	0.89054584

Zfp746	0.16680977	0.1658745	0.17637835	-0.0105039	0.60928417	0.89054584
Tmem17	0.14989168	0.14844185	0.15894941	-0.0105076	0.62095334	0.89054584
Tead1	0.34593327	0.34264085	0.35315337	-0.0105125	0.55515061	0.89054584
1700037C18I	0.11109545	0.10804977	0.11856371	-0.0105139	0.66024923	0.89054584
Fam57a	0.16844985	0.16752557	0.17806182	-0.0105363	0.60860243	0.89054584
RP23-60P18.	0.15692562	0.15567281	0.16620956	-0.0105367	0.61613696	0.89054584
BC052040	0.06055874	0.05424796	0.06478635	-0.0105384	0.77572691	0.89054584
Rab2b	0.31039861	0.30876534	0.31930435	-0.010539	0.56110598	0.89054584
Rab11fip3	0.04670026	0.03942643	0.04996773	-0.0105413	0.83716188	0.89483776
Sult4a1	0.06915782	0.06343397	0.07397734	-0.0105434	0.74665484	0.89054584
Mrpl50	0.8508353	0.74018692	0.75073263	-0.0105457	0.52609023	0.89054584
Sema4b	0.19174349	0.19130308	0.20185275	-0.0105497	0.59618933	0.89054584
Ssfa2	0.09294783	0.08882205	0.09938487	-0.0105628	0.6897569	0.89054584
G6pdx	0.12791995	0.12557539	0.13614734	-0.0105719	0.64123822	0.89054584
Yars	0.38331032	0.37746205	0.38803916	-0.0105771	0.55052693	0.89054584
Ank3	0.47475438	0.45950775	0.47008726	-0.0105795	0.54175314	0.89054584
BC049715	0.08419397	0.0794538	0.09003967	-0.0105859	0.70806715	0.89054584
Dbt	0.17902208	0.17829467	0.18888712	-0.0105924	0.60305593	0.89054584
Ttll3	0.10181079	0.09821703	0.10881526	-0.0105982	0.67500098	0.89054584
Zfp251	0.08371829	0.0789299	0.08953172	-0.0106018	0.70941783	0.89054584
Fhod3	0.04532607	0.03789012	0.04849798	-0.0106079	0.8459082	0.89825055
Ncald	0.23802929	0.23783084	0.24843905	-0.0106082	0.57884284	0.89054584
D630036H23	0.03521451	0.02706755	0.03768171	-0.0106142	0.90529524	0.92670836
9030622O22	0.0422341	0.03456981	0.0451908	-0.010621	0.86323499	0.90287732
Rcl1	0.28546196	0.28453715	0.2951704	-0.0106332	0.56664309	0.89054584
Zfp523	0.23853099	0.23829471	0.24893882	-0.0106441	0.57894945	0.89054584
B4galt6	0.38889608	0.38252253	0.39318696	-0.0106644	0.55027838	0.89054584
Csgalnact2	0.14972491	0.14810038	0.15877705	-0.0106767	0.62296671	0.89054584
Lhfp15	0.04940309	0.04216218	0.05285834	-0.0106962	0.82709838	0.89186561
Zfp710	0.15096931	0.14936563	0.16006289	-0.0106973	0.62223827	0.89054584

Prdm16	0.19911641	0.19863581	0.20933566	-0.0106999	0.59411149	0.89054584
Ptges2	0.1951562	0.19461865	0.20531928	-0.0107006	0.59592378	0.89054584
Nkapl	0.04194705	0.03417817	0.04488376	-0.0107056	0.86676788	0.90430169
Orai1	0.11193398	0.10871679	0.11944257	-0.0107258	0.66216046	0.89054584
Traf2	0.22502734	0.22471462	0.23544782	-0.0107332	0.58409624	0.89054584
Samd5	0.11153991	0.10826431	0.11902957	-0.0107653	0.66325522	0.89054584
Ptcd3	0.26536081	0.26473005	0.27549606	-0.010766	0.57223418	0.89054584
Whrn	0.04029487	0.03234707	0.04311647	-0.0107694	0.87772425	0.91005122
Nabp1	0.11869971	0.11574785	0.12652415	-0.0107763	0.65424659	0.89054584
Lrig2	0.0798696	0.07464286	0.08542145	-0.0107786	0.72169067	0.89054584
Nek9	0.22725067	0.22689271	0.23767456	-0.0107819	0.58369214	0.89054584
Mdm4	0.47935911	0.4633003	0.47408923	-0.0107889	0.54221849	0.89054584
Dexi	0.13247097	0.13008167	0.1408857	-0.010804	0.63955807	0.89054584
Sep-08	0.19944262	0.19885819	0.20966619	-0.010808	0.59489768	0.89054584
Ppfia3	0.03760538	0.02942611	0.04023943	-0.0108133	0.89470998	0.91983444
Arsa	0.13212585	0.12969426	0.14052665	-0.0108324	0.64025142	0.89054584
Ss18	0.62857563	0.5856713	0.59652799	-0.0108567	0.53378652	0.89054584
Erlin1	0.15842441	0.15689206	0.16775405	-0.010862	0.61854596	0.89054584
Fan1	0.05248723	0.04529396	0.05615646	-0.0108625	0.8162568	0.89054584
5031439G07	0.15101206	0.14924303	0.16010705	-0.010864	0.62404857	0.89054584
Mospd3	0.43189431	0.42136782	0.43223295	-0.0108651	0.54661467	0.89054584
Thsd4	0.07490763	0.06924725	0.08012099	-0.0108737	0.73640313	0.89054584
Ano6	0.30156132	0.2999118	0.31078733	-0.0108755	0.56475361	0.89054584
Faxc	0.04513159	0.03741093	0.04828997	-0.010879	0.85304738	0.90004228
Unc13b	0.12321831	0.12035509	0.13124417	-0.0108891	0.65045295	0.89054584
Nup210	0.10892441	0.10538412	0.11628705	-0.0109029	0.66887778	0.89054584
Ccdc125	0.05349289	0.04632535	0.05723182	-0.0109065	0.81268609	0.89054584
Myo5b	0.0352139	0.02676532	0.03768106	-0.0109157	0.91143397	0.9310858
Stat3	0.77286421	0.68973538	0.70065173	-0.0109164	0.52893286	0.89054584
Polr1e	0.10814426	0.10454926	0.11546852	-0.0109193	0.67023846	0.89054584

Esrra	0.05274358	0.04550107	0.05643058	-0.0109295	0.81656354	0.89054584
Gpr137	0.18076916	0.17973889	0.19067177	-0.0109329	0.60531852	0.89054584
Zc2hc1c	0.10970256	0.10616969	0.11710325	-0.0109336	0.66821541	0.89054584
0610010K14I	0.65568795	0.60626283	0.6171998	-0.010937	0.53289844	0.89054584
Map4k2	0.13523352	0.13281575	0.1437581	-0.0109423	0.63856352	0.89054584
Rnf19a	0.276542	0.27551759	0.28646397	-0.0109464	0.5706494	0.89054584
H2-Q4	0.21180611	0.21121055	0.2221605	-0.0109499	0.59081112	0.89054584
4930578M01	0.0444082	0.03656486	0.04751626	-0.0109514	0.85853889	0.90124516
Gabrb3	0.04587864	0.03813015	0.04908898	-0.0109588	0.85084903	0.89942466
Frmd5	0.073057	0.06717871	0.07814378	-0.0109651	0.74336001	0.89054584
Lyp1a2	0.43889136	0.42751372	0.43848615	-0.0109724	0.54640466	0.89054584
Tmem201	0.07987993	0.07444649	0.08543248	-0.010986	0.72544889	0.89054584
Alg13	0.07584482	0.07012292	0.08112221	-0.0109993	0.73620916	0.89054584
Abhd17b	0.24549254	0.24486051	0.25586169	-0.0110012	0.57938425	0.89054584
Trim3	0.06913828	0.06294625	0.07395646	-0.0110102	0.7560322	0.89054584
Mterf4	0.27049888	0.26949692	0.28054364	-0.0110467	0.57277791	0.89054584
Lin7c	0.70911851	0.6453982	0.6564533	-0.0110551	0.53126877	0.89054584
Celsr1	0.03669174	0.02820312	0.03926205	-0.0110589	0.90528762	0.92670836
Large	0.06149546	0.05472805	0.0657877	-0.0110597	0.78325114	0.89054584
Schip1.1	0.07021644	0.06404379	0.07510859	-0.0110648	0.75375169	0.89054584
Tmem43	0.15033486	0.14833463	0.15940739	-0.0110728	0.62688688	0.89054584
Pdlim5	0.11031365	0.10667083	0.11774408	-0.0110732	0.66936131	0.89054584
Hexdc	0.05187047	0.04441338	0.05549693	-0.0110836	0.82393324	0.89111407
Trim21	0.04476442	0.03681063	0.04789726	-0.0110866	0.85957014	0.90131997
4930550C14I	0.06998131	0.06376614	0.07485734	-0.0110912	0.754994	0.89054584
Ube2t	0.09015392	0.08531124	0.09640276	-0.0110915	0.70403101	0.89054584
Padi2	0.0556227	0.04841669	0.05950913	-0.0110924	0.80741815	0.89054584
Ptpn12	0.21261399	0.21187966	0.22297465	-0.011095	0.59166268	0.89054584
Slx4ip	0.15098578	0.14897808	0.16007991	-0.0111018	0.62669244	0.89054584
Gm26615	0.03345195	0.02469007	0.03579605	-0.011106	0.92583698	0.9418176

Nhsl1	0.13780706	0.13532429	0.14643131	-0.011107	0.63810086	0.89054584
Myo18a	0.33775885	0.33431558	0.34542406	-0.0111085	0.5595493	0.89054584
Cdkn1b	0.31761765	0.31512339	0.32623375	-0.0111104	0.56303433	0.89054584
Hacd3	0.43582983	0.42463474	0.43575366	-0.0111189	0.5473148	0.89054584
Tmem18	0.13388372	0.13122725	0.14235499	-0.0111277	0.64213979	0.89054584
Kcnh6	0.05646945	0.049261	0.06041447	-0.0111535	0.80513698	0.89054584
Dis3l2	0.16393194	0.16225375	0.17342174	-0.011168	0.61792124	0.89054584
Zscan12	0.08210368	0.07663125	0.08780748	-0.0111762	0.72340778	0.89054584
Tab3	0.06661166	0.06007617	0.07125627	-0.0111801	0.7676065	0.89054584
Vps11	0.19364228	0.19260032	0.2037821	-0.0111818	0.60088628	0.89054584
Arhgef7	0.20586152	0.2049653	0.21616093	-0.0111956	0.595339	0.89054584
Arl6	0.5483801	0.52130522	0.53250297	-0.0111977	0.53902219	0.89054584
Haus6	0.0649595	0.05828951	0.06949044	-0.0112009	0.77366137	0.89054584
Zfp60	0.16355781	0.16181976	0.17303712	-0.0112174	0.61868239	0.89054584
Sgms2	0.22836924	0.22757325	0.238794	-0.0112207	0.58664386	0.89054584
Neto2	0.08722307	0.08204959	0.09327394	-0.0112244	0.71248036	0.89054584
Smg7	0.2029218	0.20195154	0.21318863	-0.0112371	0.59699282	0.89054584
Dok1	0.13257516	0.12975292	0.14099409	-0.0112412	0.64484793	0.89054584
Pno1	0.48097361	0.46424366	0.47548931	-0.0112456	0.54386951	0.89054584
Tdrd7	0.17124259	0.16965924	0.1809259	-0.0112667	0.61413879	0.89054584
Bcr	0.16238061	0.16055631	0.17182654	-0.0112702	0.62003907	0.89054584
2610044O15	0.11467094	0.111102911	0.12230936	-0.0112802	0.66628609	0.89054584
Prdm15	0.13791831	0.13525737	0.14654682	-0.0112894	0.64016811	0.89054584
Utp20	0.06905123	0.06255791	0.07386343	-0.0113055	0.76210695	0.89054584
Map3k3	0.06323864	0.05634225	0.06765106	-0.0113088	0.78195322	0.89054584
Slc9a1	0.08149437	0.07584672	0.08715675	-0.01131	0.72726916	0.89054584
Btrc	0.55341377	0.52533179	0.53664598	-0.0113142	0.53912327	0.89054584
Ermp1	0.06865194	0.06211961	0.07343673	-0.0113171	0.76361378	0.89054584
Wfs1	0.39086566	0.3836649	0.39499842	-0.0113335	0.55317101	0.89054584
Mettl15	0.07841858	0.07253803	0.08387158	-0.0113336	0.73550943	0.89054584

Ankmy2	0.23358724	0.23266071	0.24400897	-0.0113483	0.58576953	0.89054584
Gm26890	0.14496881	0.1425075	0.15385688	-0.0113494	0.63445303	0.89054584
Rps6ka6	0.04597635	0.03782514	0.04919349	-0.0113683	0.85918299	0.90131997
Plekha6	0.13342025	0.13049848	0.14187305	-0.0113746	0.64562197	0.89054584
Rsph3b	0.06740853	0.06072674	0.07210791	-0.0113812	0.76893525	0.89054584
Mtfp1	0.21069444	0.20965726	0.22103972	-0.0113825	0.59480097	0.89054584
Farp1	0.15869556	0.156641	0.16803338	-0.0113924	0.6239487	0.89054584
4632404H12	0.05080932	0.04296579	0.05436217	-0.0113964	0.83563901	0.89459411
Bid	0.11304355	0.10920732	0.1206051	-0.0113978	0.67013753	0.89054584
Pcnxl4	0.16047507	0.15846191	0.16986578	-0.0114039	0.62277455	0.89054584
Klhl18	0.05612813	0.04864304	0.06004954	-0.0114065	0.81191422	0.89054584
Mar-11	0.05627822	0.04879814	0.06021001	-0.0114119	0.81138989	0.89054584
Mdh1	2.03949202	1.1087843	1.12019674	-0.0114124	0.51892859	0.89054584
Megf9	0.1831393	0.18167748	0.19309084	-0.0114134	0.60848947	0.89054584
Nyap1	0.111110097	0.10715254	0.1185695	-0.011417	0.67314182	0.89054584
Heatr5b	0.1005406	0.09605711	0.10747918	-0.0114221	0.68974111	0.89054584
Lnx2	0.08336061	0.07772714	0.08914977	-0.0114226	0.72472735	0.89054584
Sybu	0.04258807	0.0341441	0.04556942	-0.0114253	0.87861806	0.91059794
Slc25a46	0.5091267	0.48821547	0.49964666	-0.0114312	0.5424428	0.89054584
St5	0.14337562	0.14076271	0.15220674	-0.011444	0.63694087	0.89054584
Ephx4	0.05726896	0.04981735	0.06126929	-0.0114519	0.80807101	0.89054584
Atxn7l2	0.09224505	0.08718041	0.0986348	-0.0114544	0.70575988	0.89054584
Zfp433	0.18794172	0.18652745	0.19798517	-0.0114577	0.60627387	0.89054584
Lonrf1	0.04259688	0.0341118	0.04557884	-0.0114608	0.87930001	0.91103349
Zfp711	0.06690637	0.06010658	0.07157124	-0.0114647	0.77225506	0.89054584
Syt9	0.05012219	0.04216147	0.05362735	-0.0114659	0.84040224	0.89576177
Ppp3cc	0.07902964	0.07305425	0.08452428	-0.01147	0.73637957	0.89054584
Chrna1os	0.05080574	0.04288086	0.05435834	-0.0114775	0.83737112	0.89485554
Lpgat1	0.33556165	0.33186033	0.34334061	-0.0114803	0.5618972	0.89054584
Rbm27	0.61756315	0.57650568	0.58798967	-0.011484	0.53625112	0.89054584

Rac1	1.69772854	1.06953497	1.08102564	-0.0114907	0.51974828	0.89054584
Tmem251	0.34522085	0.34098856	0.35248115	-0.0114926	0.56036871	0.89054584
Etaa1os	0.04715675	0.03896321	0.05045595	-0.0114927	0.85570115	0.9009252
BC024978	0.09329426	0.08826056	0.0997546	-0.011494	0.70430326	0.89054584
Nnt	0.25345276	0.25225173	0.26374998	-0.0114983	0.58047464	0.89054584
Ift172	0.09477616	0.08982894	0.10133607	-0.0115071	0.70161187	0.89054584
Zfp105	0.12713223	0.12381519	0.1353264	-0.0115112	0.6540586	0.89054584
Banp	0.56238944	0.53248046	0.54399232	-0.0115119	0.53926874	0.89054584
1700056E22I	0.20416286	0.20292201	0.21444384	-0.0115218	0.59882995	0.89054584
Trim46	0.07720599	0.07104895	0.08257631	-0.0115274	0.74227379	0.89054584
Frg1	0.9141747	0.77662471	0.78816426	-0.0115396	0.52719148	0.89054584
Gm16136	0.03216049	0.02285533	0.03441437	-0.011559	0.94118937	0.95209067
Cacna1c	0.06674501	0.05983859	0.07139878	-0.0115602	0.77467448	0.89054584
Coil	0.17230332	0.17045107	0.18201288	-0.0115618	0.61636397	0.89054584
Prkd3	0.20131046	0.19998962	0.21155791	-0.0115683	0.60054479	0.89054584
Senp8	0.13078594	0.12753683	0.13913223	-0.0115954	0.65109571	0.89054584
Zfp180	0.06155603	0.05423354	0.06585245	-0.0116189	0.79446629	0.89054584
Dcaf4	0.13501575	0.13189952	0.14353177	-0.0116323	0.64712678	0.89054584
Appbp2	0.76841252	0.68602203	0.69765951	-0.0116375	0.53097244	0.89054584
Gm4799	0.04185772	0.03314847	0.04478821	-0.0116397	0.88701107	0.91505129
Rnf19b	0.06662543	0.05961911	0.07127098	-0.0116519	0.77687315	0.89054584
Rsf1	0.8911337	0.7632127	0.77488214	-0.0116694	0.52796762	0.89054584
Ccdc73	0.05669815	0.04896918	0.06065899	-0.0116898	0.81536489	0.89054584
Ambra1	0.16299558	0.1607684	0.17245902	-0.0116906	0.6239302	0.89054584
Wbscr16	0.22351052	0.22222971	0.2339274	-0.0116977	0.59210892	0.89054584
Zfp12	0.09529801	0.09019324	0.10189295	-0.0116997	0.70365997	0.89054584
Klf16	0.04867497	0.04035717	0.05207965	-0.0117225	0.85283495	0.89994913
Sltm	1.09309777	0.87008218	0.88182342	-0.0117412	0.52473154	0.89054584
Pls1	0.06911873	0.06219323	0.07393557	-0.0117423	0.77032759	0.89054584
Plag1	0.15376227	0.1511953	0.16294679	-0.0117515	0.63156307	0.89054584

Gm42469	0.03812779	0.0290456	0.04079828	-0.0117527	0.91021697	0.93043261
Slc27a3	0.05075671	0.04254839	0.05430591	-0.0117575	0.84343738	0.89774283
Nlgn2	0.12706719	0.12349318	0.1352586	-0.0117654	0.65735547	0.89054584
Rhod	0.11054672	0.10622107	0.11798844	-0.0117674	0.67890946	0.89054584
Myh9	0.49228169	0.47348235	0.48525027	-0.0117679	0.5449788	0.89054584
Dhcr7	0.31149682	0.30858417	0.32036022	-0.011776	0.56798914	0.89054584
Ccdc59	1.06983498	0.85853388	0.87031637	-0.0117825	0.52514602	0.89054584
Vars	0.3868426	0.37950993	0.39129648	-0.0117865	0.55580257	0.89054584
Rab39b	0.1592089	0.15677411	0.1685621	-0.011788	0.62771663	0.89054584
Oxsm	0.06563629	0.05841337	0.07021381	-0.0118004	0.78318689	0.89054584
Nab1	0.15611762	0.15356754	0.16537654	-0.011809	0.63031195	0.89054584
Per2	0.09728582	0.09220126	0.10401401	-0.0118128	0.70163565	0.89054584
Ccdc186	0.37689807	0.37029278	0.38210823	-0.0118154	0.55727443	0.89054584
Eif2ak1	0.25228358	0.25076723	0.26259324	-0.011826	0.58309495	0.89054584
Pes1	0.36437524	0.35862829	0.37045963	-0.0118313	0.55914123	0.89054584
Fip1l1	1.15601638	0.89932298	0.91115514	-0.0118322	0.52412148	0.89054584
Srgap3	0.07038649	0.06345508	0.07529031	-0.0118352	0.76802565	0.89054584
Wdr77	0.45346121	0.43956527	0.45141694	-0.0118517	0.54867623	0.89054584
Zfp961	0.12761492	0.12396368	0.13582947	-0.0118658	0.65799449	0.89054584
Evpl	0.06429097	0.05690633	0.06877589	-0.0118696	0.78931734	0.89054584
Fbxw4	0.04793992	0.03941177	0.05129355	-0.0118818	0.85975281	0.90132889
Rps6ka4	0.15548561	0.15283476	0.16472478	-0.01189	0.63167306	0.89054584
Nsmaf	0.1534815	0.15076494	0.162657	-0.0118921	0.63330558	0.89054584
1190005I06R	0.03458254	0.02511224	0.03700561	-0.0118934	0.93284946	0.94636145
Usp33	0.40661723	0.39751257	0.40940632	-0.0118938	0.5538316	0.89054584
Axin2	0.0586352	0.05082109	0.06272997	-0.0119089	0.81177863	0.89054584
Bdnf	0.08510449	0.0790994	0.09101192	-0.0119125	0.72900519	0.89054584
Zfp689	0.08351766	0.07740169	0.08931748	-0.0119158	0.73287994	0.89054584
Rps6ka3	0.28243643	0.28029991	0.29222145	-0.0119215	0.57537179	0.89054584
Ddt	0.50835436	0.48706189	0.49899046	-0.0119286	0.54434008	0.89054584

Tfap4	0.1818158	0.17978292	0.19174032	-0.0119574	0.61429955	0.89054584
Dnajc4	0.30915262	0.30614284	0.31810585	-0.011963	0.56954226	0.89054584
Dab2ip	0.24111962	0.23955169	0.2515157	-0.011964	0.58769308	0.89054584
Ttc9	0.04108888	0.03199962	0.04396581	-0.0119662	0.89760568	0.9219206
A430105I19F	0.11280711	0.10838703	0.12035741	-0.0119704	0.67844834	0.89054584
Ddx26b	0.15245774	0.14962381	0.16160009	-0.0119763	0.63505687	0.89054584
Cox19	0.58889475	0.55339953	0.56537954	-0.01198	0.53931963	0.89054584
Ankrd49	0.0985582	0.09338733	0.10537155	-0.0119842	0.70190068	0.89054584
Klhl15	0.09533657	0.08993929	0.10193411	-0.0119948	0.70823233	0.89054584
Sgms1	0.33579552	0.33155914	0.34356246	-0.0120033	0.56465148	0.89054584
Tcaim	0.05687262	0.04883992	0.06084554	-0.0120056	0.82102272	0.89054584
Zmiz1	0.56673341	0.53552145	0.54752872	-0.0120073	0.54068925	0.89054584
Ube3c	0.46913064	0.45316379	0.465182	-0.0120182	0.54790341	0.89054584
Zc3h8	0.10955187	0.10491447	0.11694521	-0.0120307	0.68413332	0.89054584
Ldlrap1	0.10406193	0.09913912	0.11118174	-0.0120426	0.69309125	0.89054584
Pi4ka	0.20194488	0.20015622	0.21220009	-0.0120439	0.60427503	0.89054584
Bcap31	1.18509102	0.9119783	0.92402264	-0.0120443	0.524212	0.89054584
Noc3l	0.15900802	0.15629478	0.16835522	-0.0120604	0.63071658	0.89054584
1600014C10I	0.14178861	0.13849513	0.150562	-0.0120669	0.64557212	0.89054584
Tmx2	0.63264696	0.58757151	0.59966444	-0.0120929	0.53742672	0.89054584
Mapk8	0.32742142	0.3235071	0.33560102	-0.0120939	0.56666606	0.89054584
Exog	0.16134108	0.15865477	0.17075706	-0.0121023	0.6293753	0.89054584
Slx4	0.05460461	0.04631248	0.05842056	-0.0121081	0.83287746	0.89393134
Zc3hc1	0.23297531	0.23128284	0.24339797	-0.0121151	0.59169166	0.89054584
Gm10399	0.08326255	0.07692877	0.08904505	-0.0121163	0.73693934	0.89054584
Lym1	0.07446569	0.0675225	0.07964884	-0.0121263	0.76093463	0.89054584
Zfp92	0.04494566	0.03595493	0.04809111	-0.0121362	0.88014689	0.91145498
Polg2	0.09910236	0.09381466	0.10595208	-0.0121374	0.70322842	0.89054584
Spata13	0.14392432	0.14063584	0.15277517	-0.0121393	0.64438096	0.89054584
Pygl	0.12740298	0.12346508	0.13560859	-0.0121435	0.66173395	0.89054584

Plch1	0.07751989	0.07076653	0.08291161	-0.0121451	0.75252346	0.89054584
Nr6a1	0.05626893	0.04803885	0.06020008	-0.0121612	0.82669088	0.89183454
Mast3	0.2221735	0.22040396	0.23258634	-0.0121824	0.59639445	0.89054584
Colgalt1	0.44268529	0.42968122	0.44186493	-0.0121837	0.55110863	0.89054584
Tmem194	0.04418801	0.03508536	0.04728074	-0.0121954	0.88526134	0.91420299
Fastkd2	0.11820159	0.11380241	0.12600336	-0.0122009	0.67405096	0.89054584
Lonp1	0.45489799	0.44048327	0.45268527	-0.012202	0.54996795	0.89054584
Fhit	0.10308473	0.09795174	0.1101547	-0.012203	0.69711412	0.89054584
2900060B14	0.03640697	0.02674762	0.0389574	-0.0122098	0.92787908	0.94303412
Vps33b	0.09753832	0.09207333	0.10428342	-0.0122101	0.70729351	0.89054584
Cdk5r2	0.05643695	0.04816071	0.06037972	-0.012219	0.82711527	0.89186561
Taco1	0.05078836	0.04211778	0.05433976	-0.012222	0.85265272	0.89988783
Slc35a3	0.13918618	0.13562966	0.14786279	-0.0122331	0.65004728	0.89054584
Kri1	0.13966177	0.13611483	0.14835627	-0.0122414	0.64966898	0.89054584
Tfb1m	0.12621757	0.12212074	0.13437286	-0.0122521	0.66450966	0.89054584
Sgtb	0.08086084	0.07421813	0.08648014	-0.012262	0.74556253	0.89054584
Fam83h	0.06741654	0.0598316	0.07211647	-0.0122849	0.7862973	0.89054584
Ric3	0.11572811	0.11111997	0.12341592	-0.012296	0.67873743	0.89054584
Snrk	0.51032417	0.4883552	0.50066329	-0.0123081	0.54559253	0.89054584
Bcl2l2	0.15011494	0.14686742	0.15918013	-0.0123127	0.64071577	0.89054584
Zbtb34	0.079111	0.07229838	0.08461119	-0.0123128	0.75110759	0.89054584
Cyp4f13	0.15991379	0.15697152	0.16928795	-0.0123164	0.63267936	0.89054584
Zfp174	0.09468459	0.08891771	0.10123836	-0.0123206	0.71463961	0.89054584
Speg	0.07001038	0.06256732	0.0748884	-0.0123211	0.77831557	0.89054584
Gm9774	0.14802019	0.14468922	0.15701455	-0.0123253	0.64271207	0.89054584
Pgap3	0.04894386	0.04000715	0.05236722	-0.0123601	0.86425453	0.90325563
Bscl2	0.36815696	0.36162636	0.37398645	-0.0123601	0.56118564	0.89054584
Nadk2	0.14377032	0.1402488	0.15261564	-0.0123668	0.64710867	0.89054584
Recql5	0.06454753	0.05667964	0.06905011	-0.0123705	0.79804514	0.89054584
Pskh1	0.22689116	0.22493811	0.23731466	-0.0123765	0.59598775	0.89054584

Spef1	0.03696637	0.02717691	0.03955584	-0.0123789	0.92758073	0.94292984
Xylt1	0.06813	0.06049983	0.07287895	-0.0123791	0.78563348	0.89054584
Plcg1	0.11205758	0.10719191	0.11957209	-0.0123802	0.68522998	0.89054584
Rbm4	0.10151415	0.09611157	0.10850329	-0.0123917	0.70266419	0.89054584
Scrn2	0.14682656	0.14337609	0.15577978	-0.0124037	0.64466634	0.89054584
Psm14	0.84832044	0.73677549	0.74918632	-0.0124108	0.53075935	0.89054584
Ruvbl1	0.55057906	0.52188915	0.53431488	-0.0124257	0.5431393	0.89054584
Slc25a28	0.14685474	0.14338255	0.15580894	-0.0124264	0.64489323	0.89054584
Zfand1	0.24377999	0.24173347	0.25416074	-0.0124273	0.59009929	0.89054584
Lpcat1	0.22416689	0.22215097	0.23458546	-0.0124345	0.59752763	0.89054584
Nupl1	0.07666491	0.06956019	0.08199829	-0.0124381	0.7601243	0.89054584
Mapk9	0.18976733	0.18738813	0.19984314	-0.012455	0.61423094	0.89054584
Vwa9	0.27437425	0.27188371	0.28434231	-0.0124586	0.58087552	0.89054584
Srsf7	2.17281081	1.11399496	1.12646743	-0.0124725	0.52057019	0.89054584
Vps37a	0.78371338	0.69539769	0.70788381	-0.0124861	0.5327472	0.89054584
Txnl4b	0.04097765	0.03135134	0.04384683	-0.0124955	0.90786255	0.92866393
Map3k14	0.04408383	0.0346663	0.04716931	-0.012503	0.8915717	0.91758405
Nphp3	0.05389148	0.04515246	0.05765803	-0.0125056	0.8438691	0.89775379
Maml1	0.08067286	0.07375906	0.08627937	-0.0125203	0.75050383	0.89054584
Cacna1h	0.14378852	0.14010973	0.15263449	-0.0125248	0.64888046	0.89054584
Fndc5	0.06230022	0.05411535	0.06664796	-0.0125326	0.8095057	0.89054584
Zswim6	0.08204909	0.07521128	0.08774918	-0.0125379	0.74719393	0.89054584
Baiap2l1	0.30814049	0.30458938	0.31713179	-0.0125424	0.57309481	0.89054584
Cenpj	0.07058712	0.06296195	0.0755047	-0.0125427	0.78051609	0.89054584
Pigl	0.11272111	0.10771146	0.12026732	-0.0125559	0.68665517	0.89054584
Fam118b	0.25556019	0.25325143	0.26583338	-0.012582	0.5872625	0.89054584
Mon1a	0.07522951	0.06788102	0.08046487	-0.0125838	0.76687943	0.89054584
G630016G05	0.12220373	0.11758347	0.13018504	-0.0126016	0.67399561	0.89054584
Rb1	0.10015361	0.09446378	0.10707201	-0.0126082	0.70836414	0.89054584
lfrd1	0.42459773	0.41306852	0.4256813	-0.0126128	0.55489664	0.89054584

Cbx7	0.07222931	0.0646381	0.07725942	-0.0126213	0.7767007	0.89054584
Lrrfip2	0.45539055	0.44049627	0.45311979	-0.0126235	0.5516353	0.89054584
Rgs19	0.27777169	0.27504288	0.2876665	-0.0126236	0.58099807	0.89054584
Rpl7a-ps5	0.29314451	0.29001328	0.3026389	-0.0126256	0.57705446	0.89054584
Gm10110	0.07231791	0.06472227	0.07735409	-0.0126318	0.7766114	0.89054584
Gcfc2	0.11261996	0.1075232	0.12016134	-0.0126381	0.68793693	0.89054584
Brf2	0.11070828	0.10551029	0.11815783	-0.0126475	0.69100111	0.89054584
Zfp65	0.07612832	0.06877291	0.08142508	-0.0126522	0.76544425	0.89054584
Plekhg1	0.09217101	0.08590081	0.09855578	-0.012655	0.72515595	0.89054584
Slc23a2	0.07212469	0.06448861	0.07714764	-0.012659	0.77770886	0.89054584
Prkdc	0.08180756	0.07480699	0.08749123	-0.0126842	0.75030195	0.89054584
Nrd1	1.03625403	0.8405007	0.85318981	-0.0126891	0.52762074	0.89054584
Cgrrf1	0.22204641	0.21976043	0.23245882	-0.0126984	0.60044582	0.89054584
Zfp597	0.08646916	0.07977054	0.09246902	-0.0126985	0.73884792	0.89054584
Mblac2	0.14170512	0.13777327	0.15047546	-0.0127022	0.652943	0.89054584
9530034E10I	0.08781172	0.0811945	0.0939024	-0.0127079	0.73581596	0.89054584
Zbtb40	0.10874412	0.10338867	0.11609791	-0.0127092	0.69497937	0.89054584
Dus3l	0.25701003	0.25454971	0.26726546	-0.0127157	0.58771052	0.89054584
Kcnk5	0.05335608	0.0443642	0.05708553	-0.0127213	0.85041861	0.89942466
Rpl36al	3.5834636	1.01109078	1.02382302	-0.0127322	0.52310118	0.89054584
Fbxo7	0.17962307	0.17676594	0.18950118	-0.0127352	0.6228974	0.89054584
Ptprk	0.10894934	0.10356919	0.1163132	-0.012744	0.69513648	0.89054584
Ulk4	0.07419643	0.06661645	0.07936117	-0.0127447	0.772826	0.89054584
Zfp692	0.05868398	0.05003601	0.06278211	-0.0127461	0.82789103	0.89229532
Pnck	0.12962586	0.12515196	0.1379244	-0.0127724	0.66692569	0.89054584
Agpat1	0.27922436	0.27629434	0.28908612	-0.0127918	0.58166453	0.89054584
2610008E11I	0.20610305	0.20360428	0.216405	-0.0128007	0.6085663	0.89054584
Zfp40	0.06761045	0.05951537	0.0723237	-0.0128083	0.79533852	0.89054584
Fbxo30	0.1645043	0.16119461	0.17401004	-0.0128154	0.63424598	0.89054584
A430033K04I	0.10194848	0.09614205	0.10896005	-0.012818	0.70817997	0.89054584

Tdrd3	0.26408955	0.26142352	0.27424522	-0.0128217	0.58621459	0.89054584
Cdk14	0.2490307	0.24654962	0.25937155	-0.0128219	0.5910757	0.89054584
Srf	0.1548461	0.15124219	0.16406513	-0.0128229	0.64212011	0.89054584
Zfp280b	0.11575239	0.11061807	0.12344133	-0.0128233	0.68579905	0.89054584
Nprl3	0.09506349	0.08880995	0.10164269	-0.0128327	0.7218035	0.89054584
Prps1l3	0.05390874	0.04483975	0.05767648	-0.0128367	0.85011213	0.89917019
Lhfpl4	0.08277119	0.07568294	0.08852033	-0.0128374	0.75036815	0.89054584
Mtmr1	0.1313674	0.12689492	0.13973743	-0.0128425	0.66573927	0.89054584
Akap10	0.13735801	0.13310872	0.14596506	-0.0128563	0.65922573	0.89054584
Abca2	0.08570136	0.07879206	0.09164923	-0.0128572	0.74331124	0.89054584
Phf21b	0.06414225	0.05575757	0.06861692	-0.0128594	0.80870186	0.89054584
Sh3bgrl2	0.05318195	0.04403669	0.05689933	-0.0128626	0.85387501	0.90035231
Slc39a6	0.40885768	0.39857564	0.41144413	-0.0128685	0.55792678	0.89054584
Pip4k2b	0.10201252	0.09615875	0.10902741	-0.0128687	0.70880652	0.89054584
Ndufb11	2.84070837	1.09465326	1.10752278	-0.0128695	0.52158712	0.89054584
Ttc27	0.08920531	0.08251008	0.09539014	-0.0128801	0.73534973	0.89054584
Mrpl21	1.07493204	0.85998045	0.87286451	-0.0128841	0.52741328	0.89054584
Wdpcp	0.05000648	0.04061035	0.05350362	-0.0128933	0.86921945	0.90542007
Donson	0.14174723	0.13761074	0.15051911	-0.0129084	0.65525456	0.89054584
Ctdsp1	0.31985208	0.31546035	0.32837308	-0.0129127	0.57268149	0.89054584
Spast	0.1937225	0.19094766	0.20386358	-0.0129159	0.61606809	0.89054584
Stoml1	0.1347532	0.13032723	0.14325888	-0.0129316	0.66295882	0.89054584
Ccdc18	0.09503468	0.08867258	0.10161195	-0.0129394	0.72350121	0.89054584
Gusb	0.60033874	0.56152918	0.57447001	-0.0129408	0.54179222	0.89054584
Dip2c	0.10358368	0.09770142	0.11067913	-0.0129777	0.70756512	0.89054584
Pop1	0.06785624	0.05960862	0.07258639	-0.0129778	0.7975707	0.89054584
Ncoa2	0.38923222	0.38051794	0.39349627	-0.0129783	0.5610617	0.89054584
Mettl6	0.33830423	0.33294638	0.34594085	-0.0129945	0.56946112	0.89054584
Chd1l	0.07266749	0.0647268	0.07772761	-0.0130008	0.78208679	0.89054584
Fbxo4	0.15352632	0.14970055	0.16270326	-0.0130027	0.6451754	0.89054584

lkzf5	0.23490017	0.23231473	0.24531929	-0.0130046	0.59753585	0.89054584
BC037034	0.06911335	0.06092116	0.07392982	-0.0130087	0.79383079	0.89054584
Mbip	0.25773338	0.25496908	0.26797963	-0.0130105	0.5894747	0.89054584
Zfp429	0.07910962	0.0715988	0.08460972	-0.0130109	0.76313767	0.89054584
Yars2	0.26667372	0.26376936	0.27678705	-0.0130177	0.58672044	0.89054584
Ddx19b	0.09898645	0.09278877	0.10582843	-0.0130397	0.71703368	0.89054584
Cish	0.12149693	0.11640629	0.12944697	-0.0130407	0.68058974	0.89054584
Gm17484	0.06887234	0.06061957	0.07367227	-0.0130527	0.79543804	0.89054584
Capn1	0.04880277	0.03916259	0.05221633	-0.0130537	0.87793083	0.91020031
Macf1	0.62164614	0.5780956	0.5911649	-0.0130693	0.54101794	0.89054584
Dip2a	0.1021791	0.09613243	0.10920257	-0.0130701	0.71144635	0.89054584
Alkbh3	0.23335117	0.23069771	0.24377327	-0.0130756	0.59866663	0.89054584
Aqp4	0.06448762	0.05590377	0.06898607	-0.0130823	0.81151886	0.89054584
Ptk2b	0.11141682	0.10580893	0.11890057	-0.0130916	0.696016	0.89054584
Il2	0.08876932	0.08182226	0.09492471	-0.0131024	0.73991166	0.89054584
Ighmbp2	0.05884216	0.04984047	0.06295123	-0.0131108	0.83405423	0.89427341
Fgd1	0.1320888	0.12736941	0.1404881	-0.0131187	0.66823658	0.89054584
4931414P19I	0.13939819	0.13496315	0.14808279	-0.0131196	0.66011111	0.89054584
Bag5	0.54602723	0.51741883	0.530561	-0.0131422	0.54593736	0.89054584
Zfp827	0.12987413	0.12503981	0.13818293	-0.0131431	0.67116428	0.89054584
5730508B09I	0.09075924	0.08388869	0.0970489	-0.0131602	0.73623164	0.89054584
Tspan2	0.08258508	0.07515853	0.08832159	-0.0131631	0.75626803	0.89054584
Tada2b	0.09230619	0.08553594	0.09870005	-0.0131641	0.73282719	0.89054584
Khdrbs3	0.18557197	0.18240654	0.19557128	-0.0131647	0.62309264	0.89054584
Patl1	0.16466429	0.161001	0.17417446	-0.0131735	0.6377207	0.89054584
Mettl22	0.10446257	0.09842362	0.11160272	-0.0131791	0.70889911	0.89054584
Pcbd2	0.75683814	0.67662551	0.68981284	-0.0131873	0.53548534	0.89054584
Klhl26	0.09226236	0.08544445	0.09865327	-0.0132088	0.73361784	0.89054584
Nckipsd	0.05102645	0.04137762	0.05459437	-0.0132167	0.87031534	0.90589084
Tom1l2	0.06709299	0.05855364	0.07177068	-0.013217	0.80454676	0.89054584

Pemt	0.05807242	0.04890467	0.06212829	-0.0132236	0.83931005	0.89504222
Senp1	0.20943123	0.20654104	0.21976552	-0.0132245	0.61039689	0.89054584
Arhgef9	0.14702766	0.14276239	0.15598786	-0.0132255	0.65358204	0.89054584
Zfpm1	0.07072353	0.06242096	0.07565046	-0.0132295	0.79238943	0.89054584
Arpc4	1.36836096	0.9817642	0.99499848	-0.0132343	0.5247057	0.89054584
Ercc8	0.11795942	0.11250193	0.12575013	-0.0132482	0.68822856	0.89054584
Pex11g	0.10837873	0.10246323	0.11571454	-0.0132513	0.70316638	0.89054584
Ap1s3	0.20423906	0.20126569	0.21452089	-0.0132552	0.61327876	0.89054584
A930011G23	0.07868081	0.0708862	0.08415169	-0.0132655	0.7686551	0.89054584
Lysmd1	0.07727707	0.0693839	0.08265223	-0.0132683	0.77274256	0.89054584
Tm2d1	1.11908527	0.88097901	0.89424943	-0.0132704	0.52755988	0.89054584
Gm15446	0.11757355	0.11207339	0.12534661	-0.0132732	0.68911558	0.89054584
Neil2	0.06278909	0.05389153	0.06717054	-0.013279	0.82148271	0.89054584
Dnal1	0.21045141	0.20751471	0.22079463	-0.0132799	0.61034447	0.89054584
Sbf1	0.12187616	0.11656268	0.12984299	-0.0132803	0.68314643	0.89054584
Ctsa	0.6863819	0.62669693	0.63999284	-0.0132959	0.53855338	0.89054584
Usf1	0.20556943	0.20256577	0.21586574	-0.0133	0.61296206	0.89054584
Cdc42bpg	0.0877911	0.08057916	0.09388039	-0.0133012	0.74540241	0.89054584
Pde6d	0.85913151	0.74249657	0.75580073	-0.0133042	0.53268066	0.89054584
Al480526	0.1385819	0.13392422	0.14723566	-0.0133114	0.66319936	0.89054584
Lrrc8b	0.05333528	0.0437509	0.05706329	-0.0133124	0.86145765	0.90221867
Prdx1	3.42938498	1.03071272	1.04405551	-0.0133428	0.52373909	0.89054584
Cox10	0.16742702	0.16366777	0.17701207	-0.0133443	0.63728866	0.89054584
Tmem143	0.05967807	0.05048943	0.06384488	-0.0133555	0.83511695	0.89459411
Gorasp1	0.18629361	0.18295017	0.19630662	-0.0133565	0.62437381	0.89054584
C2cd2l	0.13063744	0.12561677	0.13897765	-0.0133609	0.6728859	0.89054584
Mar-09	0.07364093	0.06540027	0.07876767	-0.0133674	0.78542686	0.89054584
BC003965	0.47581943	0.45764593	0.47101405	-0.0133681	0.55259805	0.89054584
Ddx39	0.75182459	0.67301556	0.68638453	-0.013369	0.53615198	0.89054584
Limk1	0.11670543	0.11106735	0.12443855	-0.0133712	0.69167839	0.89054584

Ube2a	0.7838118	0.69457224	0.70794903	-0.0133768	0.53507411	0.89054584
2310040G24	0.15706357	0.15295484	0.16635175	-0.0133969	0.64624473	0.89054584
Ift46	0.42099922	0.40904046	0.42243868	-0.0133982	0.55873575	0.89054584
Clec16a	0.0697728	0.061236	0.07463452	-0.0133985	0.79852975	0.89054584
Slc35d1	0.06531896	0.05647191	0.06987464	-0.0134027	0.81424175	0.89054584
Wbscr27	0.24476789	0.24172637	0.25514212	-0.0134158	0.59676174	0.89054584
Nbeal2	0.11473028	0.10893828	0.12237147	-0.0134332	0.695475	0.89054584
Ppm1b	0.70012637	0.63655222	0.64998677	-0.0134346	0.53835705	0.89054584
Plcb3	0.10315329	0.09678937	0.11022677	-0.0134374	0.7149678	0.89054584
Phc1	0.21603329	0.21297863	0.22641729	-0.0134387	0.60892732	0.89054584
Mmab	0.08830908	0.08098818	0.09443338	-0.0134452	0.74644007	0.89054584
Fbxo44	0.14198699	0.13732138	0.15076766	-0.0134463	0.66111551	0.89054584
Sh2d5	0.08207382	0.07432628	0.08777559	-0.0134493	0.76234329	0.89054584
Shc2	0.12053867	0.11499599	0.12844601	-0.01345	0.68717318	0.89054584
Eml1	0.18559961	0.1821414	0.19559946	-0.0134581	0.62572603	0.89054584
Zfp703	0.26222009	0.25893865	0.2724044	-0.0134658	0.59107272	0.89054584
Lmo7	0.11026442	0.10422613	0.11769246	-0.0134663	0.70300893	0.89054584
1810014B01	0.06068337	0.05145294	0.06491957	-0.0134666	0.83308549	0.89393134
Plekha3	0.10525948	0.09896855	0.1124399	-0.0134713	0.7116408	0.89054584
Ap1g1	0.28871539	0.28486493	0.29833676	-0.0134718	0.58331492	0.89054584
Mpp2	0.11992494	0.11432265	0.12780476	-0.0134821	0.68845332	0.89054584
Hnf1a	0.08079359	0.07291651	0.08640832	-0.0134918	0.7665242	0.89054584
Rfxap	0.209198	0.2060234	0.21953018	-0.0135068	0.61280803	0.89054584
Ttc9c	0.35961743	0.35250243	0.36601212	-0.0135097	0.56826706	0.89054584
Huwe1	0.73234765	0.6593572	0.67289424	-0.013537	0.53733693	0.89054584
Tes	0.62736186	0.58205152	0.59559073	-0.0135392	0.54217271	0.89054584
Ahctf1	0.29278145	0.28874253	0.30228662	-0.0135441	0.58267668	0.89054584
Nsun3	0.07155404	0.06299205	0.0765379	-0.0135459	0.79518644	0.89054584
Slc5a1	0.05302426	0.04317994	0.05673071	-0.0135508	0.86711149	0.90441493
Rpl17	5.12578561	0.66674081	0.68029854	-0.0135577	0.53698801	0.89054584

Rhou	0.17375825	0.16994524	0.18350306	-0.0135578	0.63465887	0.89054584
Secisbp2l	0.21042201	0.20719119	0.22076498	-0.0135738	0.61273561	0.89054584
Myo1d	0.06193487	0.05268179	0.06625742	-0.0135756	0.83010522	0.89271879
Flcn	0.13489985	0.12983426	0.14341131	-0.0135771	0.67041958	0.89054584
Cep350	0.24928522	0.24604038	0.25962381	-0.0135834	0.5962894	0.89054584
Slc27a1	0.09808723	0.09128142	0.10486907	-0.0135877	0.72696142	0.89054584
Trpc1	0.23186707	0.2286953	0.242291	-0.0135957	0.60311865	0.89054584
Cmtm4	0.33358468	0.32785994	0.34146416	-0.0136042	0.57362709	0.89054584
Zfp626	0.04466367	0.03417172	0.04778949	-0.0136178	0.90784163	0.92866393
Aars2	0.08601316	0.07836296	0.09198215	-0.0136192	0.75484587	0.89054584
Zfp292	0.81574563	0.71511117	0.72874085	-0.0136291	0.5347171	0.89054584
Haus5	0.10467233	0.09817182	0.11182309	-0.0136513	0.71524041	0.89054584
Gm6483	0.86958807	0.74846542	0.76211757	-0.0136522	0.53325619	0.89054584
Mpv17l	0.08685205	0.07922494	0.09287783	-0.0136529	0.75328279	0.89054584
Rnpc3	0.31632192	0.31133799	0.32499198	-0.013654	0.57759218	0.89054584
Nptxr	0.12015364	0.11438318	0.12804373	-0.0136606	0.69042195	0.89054584
Arhgap44	0.05722095	0.04755447	0.06121796	-0.0136635	0.85079485	0.89942466
Micall1	0.06820561	0.05929478	0.07295976	-0.013665	0.80855809	0.89054584
Pigb	0.08542734	0.07768458	0.09135665	-0.0136721	0.75717324	0.89054584
Brms1	0.29907112	0.29470086	0.30838025	-0.0136794	0.5818643	0.89054584
Tsacc	0.10088646	0.09415339	0.10784304	-0.0136897	0.72287666	0.89054584
Lrp12	0.11217762	0.10600817	0.11969788	-0.0136897	0.70292708	0.89054584
Copb2	1.51043754	1.02470079	1.03839465	-0.0136939	0.52449558	0.89054584
Acp2	0.23220221	0.22893041	0.24262582	-0.0136954	0.60371761	0.89054584
Natd1	0.10627905	0.09981368	0.11351065	-0.013697	0.71300316	0.89054584
Inha	0.05097094	0.04082764	0.054535	-0.0137074	0.87920552	0.91100069
Il6ra	0.1566935	0.15226215	0.16597027	-0.0137081	0.64980718	0.89054584
Satb1	0.16144137	0.15713328	0.17086027	-0.013727	0.64590994	0.89054584
Rhov	0.078521	0.07025165	0.08398099	-0.0137293	0.77686573	0.89054584
Tmed7	0.88432596	0.75713472	0.77088589	-0.0137512	0.53311671	0.89054584

Cndp2	0.30897918	0.30418573	0.31793897	-0.0137532	0.57985954	0.89054584
Suox	0.24284202	0.23946981	0.25322855	-0.0137587	0.59991828	0.89054584
Rhbdf2	0.05371817	0.04370884	0.05747271	-0.0137639	0.86773496	0.90448066
Chadl	0.10378213	0.09711246	0.1108877	-0.0137752	0.71862653	0.89054584
Bspry	0.07359299	0.06493892	0.07871645	-0.0137775	0.79259031	0.89054584
Atf7ip	0.33044394	0.32468786	0.33847885	-0.013791	0.5752765	0.89054584
Fbxo31	0.24255961	0.23915629	0.2529478	-0.0137915	0.60026	0.89054584
Rnf121	0.41996459	0.40770202	0.42150498	-0.013803	0.56062959	0.89054584
Srgap1	0.2109966	0.20752614	0.22134442	-0.0138183	0.61441788	0.89054584
Hcfc1	0.37577823	0.36724462	0.38107008	-0.0138255	0.56711322	0.89054584
Dlst	0.42958924	0.41634097	0.43016659	-0.0138256	0.55951477	0.89054584
Inpp5f	0.12564158	0.11994182	0.13377227	-0.0138304	0.68498289	0.89054584
Arpin	0.1937175	0.19001785	0.20385849	-0.0138406	0.62411684	0.89054584
Prr36	0.06332275	0.05388338	0.06774097	-0.0138576	0.82972197	0.89271879
Gpatch3	0.05284096	0.04266616	0.0565347	-0.0138685	0.87345711	0.90763913
Trak2	0.07297489	0.0641875	0.07805606	-0.0138686	0.79610075	0.89054584
Zfp777	0.06749977	0.0583274	0.07220542	-0.013878	0.81472872	0.89054584
Ormdl3	0.49391444	0.47275988	0.48665305	-0.0138932	0.55290543	0.89054584
Vwa8	0.05972978	0.05000193	0.06390015	-0.0138982	0.84454521	0.89775379
Cdkl5	0.07524693	0.0665791	0.08048348	-0.0139044	0.78955606	0.89054584
Ufsp2	0.81354759	0.71342894	0.72733335	-0.0139044	0.53548482	0.89054584
Cacul1	0.30815012	0.3032358	0.31714106	-0.0139053	0.5809305	0.89054584
Pik3r3	0.07507349	0.06637596	0.08029819	-0.0139222	0.79038974	0.89054584
Stk35	0.08344407	0.07529185	0.08923889	-0.013947	0.76673619	0.89054584
Atf7	0.25413333	0.25047178	0.26442302	-0.0139512	0.59708562	0.89054584
Armc10	0.40821723	0.39690612	0.4108619	-0.0139558	0.56287035	0.89054584
Zfp628	0.05670741	0.04670423	0.06066889	-0.0139647	0.85822693	0.90124396
Ccdc120	0.03824794	0.02694532	0.04092681	-0.0139815	0.94426223	0.95446655
Arl16	0.30296428	0.29814103	0.31214208	-0.0140011	0.58276635	0.89054584
Slc25a14	0.30414009	0.29927167	0.31327672	-0.0140051	0.58249412	0.89054584

Ddx31	0.09437991	0.08690774	0.10091321	-0.0140055	0.74105511	0.89054584
Rdh13	0.11984535	0.11370267	0.12772159	-0.0140189	0.69545483	0.89054584
Eid2	0.04905627	0.03846706	0.05248743	-0.0140204	0.89334037	0.9188173
Tyw5	0.19011763	0.18616964	0.20019949	-0.0140299	0.62797535	0.89054584
Zc3h11a	0.11446464	0.10805361	0.12209336	-0.0140398	0.70393107	0.89054584
Dohh	0.7833742	0.69360913	0.70765901	-0.0140499	0.5368491	0.89054584
Taf4a	0.08122379	0.07281109	0.08686777	-0.0140567	0.77454412	0.89054584
Hebp2	0.12440112	0.11841678	0.13247843	-0.0140616	0.68952823	0.89054584
Tmem160	0.86634094	0.74609621	0.76016419	-0.014068	0.53435451	0.89054584
Pam16	1.06925973	0.85595573	0.87002768	-0.0140719	0.53003362	0.89054584
Mdn1	0.128414	0.12257532	0.13666211	-0.0140868	0.68446887	0.89054584
Cep250	0.05782701	0.04777424	0.06186591	-0.0140917	0.8557011	0.9009252
Zbtb12	0.13073057	0.12496383	0.13907459	-0.0141108	0.68178811	0.89054584
Kpna4	0.2977414	0.29297611	0.30709363	-0.0141175	0.58479585	0.89054584
Ppm1h	0.16905187	0.16455995	0.17867949	-0.0141195	0.64362189	0.89054584
2410022M11	0.08436625	0.07610086	0.09022363	-0.0141228	0.76708103	0.89054584
Arih1	0.37567701	0.36685106	0.38097622	-0.0141252	0.56857047	0.89054584
Cc2d2a	0.21138208	0.20760578	0.22173306	-0.0141273	0.61670379	0.89054584
Nup188	0.09957949	0.09232829	0.1064611	-0.0141328	0.73187007	0.89054584
Pak6	0.07176472	0.06262641	0.07676302	-0.0141366	0.80454999	0.89054584
Zbtb17	0.10334031	0.09628668	0.11042335	-0.0141367	0.72456233	0.89054584
Sp4	0.1107473	0.10405455	0.11819874	-0.0141442	0.71141034	0.89054584
Cinp	0.27339888	0.26923141	0.28338692	-0.0141555	0.59201047	0.89054584
Wdr5b	0.05934954	0.0493287	0.06349366	-0.014165	0.8506847	0.89942466
Szt2	0.06315542	0.05338353	0.06756211	-0.0141786	0.83589486	0.89462889
Slc31a2	0.31494491	0.3094925	0.32367137	-0.0141789	0.58085891	0.89054584
Rgs11	0.11862905	0.11225759	0.12645029	-0.0141927	0.69948384	0.89054584
Ago4	0.05025185	0.03956391	0.05376602	-0.0142021	0.89077183	0.91722772
Fbxo36	0.20042215	0.19645492	0.21065843	-0.0142035	0.62328744	0.89054584
Zfyve9	0.17858042	0.17423016	0.18843577	-0.0142056	0.63728973	0.89054584

E330009J07F	0.18006815	0.17574888	0.18995584	-0.014207	0.6362474	0.89054584
Ap1s1	1.21093607	0.92094044	0.93515086	-0.0142104	0.52822018	0.89054584
Lekr1	0.11622225	0.10971949	0.12393301	-0.0142135	0.70344018	0.89054584
Pex5	0.2478746	0.24399887	0.25822534	-0.0142265	0.60128559	0.89054584
1110019D14	0.08733228	0.07913171	0.09339054	-0.0142588	0.76155871	0.89054584
Mthfs	0.36228763	0.35424031	0.36850941	-0.0142691	0.57158051	0.89054584
Ttc26	0.05603578	0.04568088	0.0599508	-0.0142699	0.86627513	0.90430169
Dync1li1	0.62981645	0.58321239	0.59748509	-0.0142727	0.54430784	0.89054584
Med12l	0.04670052	0.03569517	0.04996801	-0.0142728	0.90836893	0.9289365
Abrac1	1.14064239	0.88992061	0.90422086	-0.0143003	0.52936795	0.89054584
Fkbp1	0.20265444	0.1986129	0.21291813	-0.0143052	0.62286649	0.89054584
Cradd	0.16606411	0.16130734	0.17561261	-0.0143053	0.64784678	0.89054584
Slc26a2	0.08791532	0.07970483	0.094013	-0.0143082	0.76085656	0.89054584
Foxj2	0.07679351	0.06781581	0.08213568	-0.0143199	0.79167848	0.89054584
Lrrc57	0.21727289	0.21333674	0.22766407	-0.0143273	0.61531379	0.89054584
Ndst1	0.144358	0.13888849	0.15322436	-0.0143359	0.66854418	0.89054584
Vcl	0.18916252	0.1848815	0.19922777	-0.0143463	0.63137129	0.89054584
Cys1	0.0520905	0.04137781	0.05573222	-0.0143544	0.88492219	0.91404124
Ogfod1	0.06376148	0.05385325	0.06820993	-0.0143567	0.83660585	0.89462889
Nol10	0.125747	0.11952376	0.13388221	-0.0143584	0.69134164	0.89054584
Gnb1	1.49169306	1.01891472	1.03327786	-0.0143631	0.5258182	0.89054584
Adck5	0.30848391	0.30309175	0.31746235	-0.0143706	0.58351611	0.89054584
Trim32	0.31339876	0.30781483	0.32218737	-0.0143725	0.58231992	0.89054584
Hemk1	0.10399586	0.09673287	0.111111231	-0.0143794	0.72672247	0.89054584
Nat10	0.08629391	0.07789727	0.09228191	-0.0143846	0.7661489	0.89054584
Gle1	0.32848404	0.32221187	0.33661332	-0.0144014	0.57899578	0.89054584
Slc16a12	0.38562389	0.37576249	0.39017343	-0.0144109	0.56831135	0.89054584
Shank2	0.08200307	0.07327683	0.08770003	-0.0144232	0.77822501	0.89054584
Manba	0.10477991	0.09750398	0.11193612	-0.0144321	0.72597541	0.89054584
Phc3	0.17028634	0.16550383	0.17994558	-0.0144418	0.64576403	0.89054584

Zfp866	0.2003772	0.19617114	0.2106129	-0.0144418	0.62531284	0.89054584
Epdr1	0.09614994	0.08835654	0.10280202	-0.0144455	0.74365751	0.89054584
Aamdc	0.34769097	0.34036133	0.3548107	-0.0144494	0.57524024	0.89054584
Tmem94	0.1349871	0.12903355	0.143502	-0.0144685	0.6807272	0.89054584
Uggt1	0.39479635	0.38413047	0.39860702	-0.0144766	0.56718142	0.89054584
1700023F06I	0.25214231	0.24796693	0.26245342	-0.0144865	0.60147116	0.89054584
Mettl5	0.32476173	0.31856433	0.33306469	-0.0145004	0.580367	0.89054584
Nup85	0.24347225	0.23934959	0.25385495	-0.0145054	0.60496259	0.89054584
Srcap	0.12423158	0.11779308	0.13230155	-0.0145085	0.6952928	0.89054584
Mad2l2	0.54029477	0.51130421	0.5258155	-0.0145113	0.55115344	0.89054584
Irgq	0.17119539	0.16635369	0.18087751	-0.0145238	0.64583377	0.89054584
Celf1	0.87098042	0.74842677	0.76295279	-0.014526	0.53534086	0.89054584
Iqgap1	0.88761667	0.75829307	0.77282185	-0.0145288	0.53489731	0.89054584
Orc5	0.1457663	0.14012805	0.1546825	-0.0145545	0.6694414	0.89054584
Cep97	0.12777552	0.12139395	0.13599683	-0.0146029	0.69155458	0.89054584
Shroom3	0.11471112	0.10774552	0.12235142	-0.0146059	0.71095226	0.89054584
Grk6	0.15841785	0.1531378	0.16774729	-0.0146095	0.65753967	0.89054584
Fxn	0.31353375	0.3077042	0.32231698	-0.0146128	0.58364256	0.89054584
Stk38	0.64937945	0.59781748	0.6124349	-0.0146174	0.54427045	0.89054584
Ak2	1.0670501	0.85429784	0.86891676	-0.0146189	0.53123848	0.89054584
2700062C07I	0.3157167	0.30979065	0.32441166	-0.014621	0.58315653	0.89054584
Aifm2	0.1336	0.12743746	0.14205998	-0.0146225	0.68422777	0.89054584
Tmem198	0.103492	0.09595499	0.11058279	-0.0146278	0.73114537	0.89054584
Eif2ak4	0.0821492	0.07322798	0.08785609	-0.0146281	0.78104196	0.89054584
Mier3	0.21470934	0.21045534	0.22508492	-0.0146296	0.61898334	0.89054584
Suv420h2	0.43879345	0.42375399	0.43839885	-0.0146449	0.56183905	0.89054584
Bach2	0.08280308	0.07390126	0.08855439	-0.0146531	0.77962177	0.89054584
Zbtb25	0.12995917	0.12360642	0.13827148	-0.0146651	0.68939166	0.89054584
Chpt1	0.16676558	0.16166012	0.17633298	-0.0146729	0.650872	0.89054584
B4galt5	0.20040396	0.19595925	0.21064001	-0.0146808	0.62729944	0.89054584

Ilvbl	0.29086371	0.28573269	0.30042471	-0.014692	0.59011528	0.89054584
Trmt11	0.11051438	0.10324825	0.11795454	-0.0147063	0.71933456	0.89054584
Traf3	0.14456085	0.13871179	0.15343443	-0.0147226	0.6725783	0.89054584
Zfp574	0.14528922	0.13946422	0.15418863	-0.0147244	0.67180785	0.89054584
Snn	0.26240794	0.25785132	0.27258945	-0.0147381	0.59943909	0.89054584
Atl2	0.32922044	0.32256225	0.3373145	-0.0147522	0.58072792	0.89054584
Abhd6	0.10422624	0.09660086	0.11135439	-0.0147535	0.73147202	0.89054584
Xpo4	0.15495711	0.14942568	0.16417965	-0.014754	0.66227306	0.89054584
Tinf2	0.05293848	0.04187431	0.05663899	-0.0147647	0.88772067	0.91537513
Apba3	0.16036426	0.15498531	0.16975171	-0.0147664	0.65736162	0.89054584
Bcat2	0.21138911	0.20697214	0.22174014	-0.014768	0.62182891	0.89054584
Sfxn4	0.08746644	0.07876524	0.09353378	-0.0147685	0.76902037	0.89054584
Sh3bgr	0.10950068	0.10210327	0.11689152	-0.0147883	0.72220849	0.89054584
Pgap2	0.35849314	0.35016572	0.36495947	-0.0147938	0.57489551	0.89054584
1700020I14R	0.5321921	0.5042409	0.51907159	-0.0148307	0.5529481	0.89054584
Frat2	0.05241189	0.04123814	0.05607589	-0.0148377	0.89116765	0.91736357
Btbd3	0.25675394	0.25216003	0.26701258	-0.0148525	0.60224143	0.89054584
Pafah2	0.06069568	0.05007275	0.06493274	-0.01486	0.85683515	0.9009252
Flrt1	0.1651075	0.1597691	0.17462989	-0.0148608	0.65412085	0.89054584
Nupr1l	0.06032746	0.04967673	0.0645391	-0.0148624	0.85833815	0.90124516
Id4	0.10091628	0.09295994	0.10787441	-0.0149145	0.74025588	0.89054584
Crebrf	0.1746222	0.1694694	0.18438752	-0.0149181	0.64689015	0.89054584
Ralgps1	0.13433135	0.12786398	0.14282037	-0.0149564	0.68718694	0.89054584
Arl8b	0.46870587	0.44983358	0.46481071	-0.0149771	0.5596652	0.89054584
Ctu1	0.09700344	0.08872789	0.10371273	-0.0149848	0.74957172	0.89054584
1500015A07	0.1475664	0.14154321	0.15654519	-0.015002	0.67237249	0.89054584
Zfp24	0.59569998	0.5557913	0.57079584	-0.0150045	0.54873651	0.89054584
Phf7	0.06239924	0.05174906	0.06675381	-0.0150048	0.85250204	0.89988783
Acad11	0.09309809	0.08452561	0.09954524	-0.0150196	0.75895729	0.89054584
Map3k11	0.19720724	0.19237137	0.20740025	-0.0150289	0.63216831	0.89054584

Nxt2	0.10056954	0.09246874	0.10750963	-0.0150409	0.74273439	0.89054584
Raph1	0.43572053	0.4206001	0.43565601	-0.0150559	0.56395687	0.89054584
6330418K02l	0.13627125	0.12976554	0.14483633	-0.0150708	0.68608417	0.89054584
Gm26518	0.21253716	0.20780101	0.22289724	-0.0150962	0.62382321	0.89054584
Ric8b	0.11642282	0.10904067	0.12414288	-0.0151022	0.71456434	0.89054584
Al314180	0.39639174	0.38496428	0.40006918	-0.0151049	0.56981441	0.89054584
Trmt2b	0.14025697	0.13385985	0.14897372	-0.0151139	0.68177381	0.89054584
Casp8ap2	0.50688518	0.48262066	0.49774119	-0.0151205	0.55627466	0.89054584
Entpd6	0.11221704	0.1046138	0.11973919	-0.0151254	0.72190653	0.89054584
Ccdc92	0.23113756	0.22642604	0.24156202	-0.015136	0.61482749	0.89054584
Wdr24	0.08118826	0.07169106	0.08682983	-0.0151388	0.79168613	0.89054584
Tmem132a	0.36451357	0.35544861	0.37058877	-0.0151402	0.57547789	0.89054584
Ccny	0.45020702	0.43339844	0.44853969	-0.0151413	0.56248429	0.89054584
Edrf1	0.1114756	0.10379573	0.11896218	-0.0151664	0.72373283	0.89054584
Eral1	0.11170801	0.10403437	0.11920576	-0.0151714	0.72339146	0.89054584
Ammecr1	0.19114048	0.18606398	0.20123971	-0.0151757	0.63733199	0.89054584
Ankrd26	0.19695439	0.19196673	0.2071438	-0.0151771	0.63358095	0.89054584
Parp10	0.06169561	0.05082363	0.06600165	-0.015178	0.85800296	0.90124396
Lclat1	0.07881411	0.06911053	0.08429407	-0.0151835	0.7993202	0.89054584
Polr3b	0.09422563	0.08555771	0.10074857	-0.0151909	0.75880841	0.89054584
Vps18	0.12658584	0.11956291	0.13475682	-0.0151939	0.70031209	0.89054584
Tbc1d25	0.07929983	0.06961279	0.08481288	-0.0152001	0.79813314	0.89054584
Sdc3	0.15225822	0.14618372	0.16139408	-0.0152104	0.66969661	0.89054584
Zcchc2	0.11524846	0.10768876	0.12291391	-0.0152251	0.71806254	0.89054584
Slc39a9	0.18652463	0.18130046	0.19654197	-0.0152415	0.64105991	0.89054584
Slc35b3	0.13846476	0.13183895	0.14711407	-0.0152751	0.68571706	0.89054584
Mastl	0.07266807	0.06245066	0.07772823	-0.0152776	0.82009314	0.89054584
Acad12	0.07397275	0.06384443	0.07912219	-0.0152778	0.81583298	0.89054584
2510002D24l	0.73170884	0.65716434	0.67244726	-0.0152829	0.54216331	0.89054584
Znrf1	0.3058327	0.29959362	0.31490884	-0.0153152	0.58962565	0.89054584

Calcoco1	0.20130551	0.19623343	0.21155289	-0.0153195	0.6320826	0.89054584
Pawr	0.08222225	0.07260564	0.08793438	-0.0153287	0.79164654	0.89054584
Rhoq	0.14435651	0.13789249	0.15322281	-0.0153303	0.67944177	0.89054584
Slc35e1	0.14012556	0.1334992	0.14883741	-0.0153382	0.68442896	0.89054584
Madd	0.28844795	0.28273733	0.29807668	-0.0153393	0.59473957	0.89054584
C330018D20	0.14883643	0.14251051	0.1578586	-0.0153481	0.67471627	0.89054584
Abcb7	0.07356703	0.06333981	0.07868871	-0.0153489	0.81826318	0.89054584
Zscan22	0.05654763	0.04513918	0.06049806	-0.0153589	0.88155259	0.91212885
Bcl2l11	0.19024004	0.18495442	0.20032401	-0.0153696	0.63962291	0.89054584
Oxsr1	0.11527335	0.10756459	0.12293997	-0.0153754	0.71994108	0.89054584
Cdc16	0.73258314	0.65768128	0.67305897	-0.0153777	0.54238536	0.89054584
Slco3a1	0.20919996	0.20415398	0.21953215	-0.0153782	0.62792312	0.89054584
Eml3	0.10311844	0.09480406	0.11019013	-0.0153861	0.74232732	0.89054584
Cd320	0.3776907	0.3674551	0.3828426	-0.0153875	0.57426991	0.89054584
Vps13a	0.13281369	0.12582616	0.14124221	-0.0154161	0.69445069	0.89054584
Fbf1	0.10128976	0.09283832	0.10826728	-0.015429	0.74663455	0.89054584
Zfp53	0.12338251	0.11598593	0.13141554	-0.0154296	0.70781412	0.89054584
Gfm2	0.20067912	0.19548129	0.21091867	-0.0154374	0.63344569	0.89054584
Slc31a1	0.61107931	0.56748618	0.58292404	-0.0154379	0.54909887	0.89054584
Ets2	0.44058727	0.42455681	0.43999741	-0.0154406	0.56493515	0.89054584
Kifap3	0.50558544	0.48119359	0.49663486	-0.0154413	0.55758726	0.89054584
Mfsd8	0.10150176	0.09303668	0.10849026	-0.0154536	0.7465362	0.89054584
Kidins220	0.29176948	0.2858505	0.30130433	-0.0154538	0.59443016	0.89054584
Ap4b1	0.16456191	0.15860588	0.17406924	-0.0154634	0.66051718	0.89054584
Csnk1e	0.5336167	0.50479409	0.52026037	-0.0154663	0.55507769	0.89054584
Oxnad1	0.23997231	0.23490006	0.25037398	-0.0154739	0.61330271	0.89054584
Ttbk2	0.1381599	0.1313202	0.14679762	-0.0154774	0.68836086	0.89054584
Sidt2	0.12516026	0.11779116	0.13327031	-0.0154791	0.70579068	0.89054584
Ncbp1	0.34478428	0.33658802	0.35206909	-0.0154811	0.58115985	0.89054584
Extl3	0.08868594	0.07935433	0.0948357	-0.0154814	0.7765354	0.89054584

Hat1	0.45238516	0.43498343	0.45046623	-0.0154828	0.56361095	0.89054584
Zdhhc20	0.77222869	0.6847365	0.70022545	-0.0154889	0.54104053	0.89054584
Nelfe	0.53836302	0.5086923	0.52421155	-0.0155192	0.5548512	0.89054584
Elmo2	0.11857121	0.11086819	0.12638981	-0.0155216	0.71639091	0.89054584
Acvr1b	0.11958684	0.11192813	0.12745143	-0.0155233	0.71479529	0.89054584
Mief1	0.10467674	0.09630222	0.11182773	-0.0155255	0.74112589	0.89054584
Setd1a	0.09856836	0.08984657	0.10538239	-0.0155358	0.75390711	0.89054584
Rfx1	0.06071173	0.0494059	0.06494989	-0.015544	0.8675729	0.90444517
Sema4d	0.11825157	0.11050385	0.12605562	-0.0155518	0.71728141	0.89054584
Lamc2	0.05810842	0.04660717	0.06216678	-0.0155596	0.87820858	0.91042317
Lrrc75a	0.06108967	0.04978649	0.06535391	-0.0155674	0.86645061	0.90430169
Plekhf2	0.18710472	0.18156372	0.19713285	-0.0155691	0.64354591	0.89054584
Cables2	0.08479304	0.07510837	0.09067937	-0.015571	0.78814738	0.89054584
Map7d2	0.05655063	0.04490611	0.06050127	-0.0155952	0.88510807	0.91411146
AU040320	0.12558863	0.11810867	0.13371706	-0.0156084	0.70671877	0.89054584
Inpp1	0.13306485	0.1258928	0.14150344	-0.0156106	0.69636481	0.89054584
Cbfa2t2	0.30020353	0.29386303	0.30947525	-0.0156122	0.59290785	0.89054584
Coq10a	0.07962401	0.06954213	0.08515914	-0.015617	0.80355433	0.89054584
Stk38l	0.11521163	0.10724901	0.12287536	-0.0156264	0.7232383	0.89054584
Cul9	0.12121919	0.11353041	0.12915689	-0.0156265	0.71351324	0.89054584
Rpl32	5.40025773	0.65354466	0.66917572	-0.0156311	0.54333004	0.89054584
Rpusd4	0.10388083	0.09534469	0.11099143	-0.0156467	0.74433959	0.89054584
Rps6kb2	0.32875261	0.3212212	0.33686908	-0.0156479	0.58566675	0.89054584
Dstyk	0.13104962	0.12375524	0.13940669	-0.0156515	0.69953658	0.89054584
Dnajc16	0.06350621	0.05228529	0.06793708	-0.0156518	0.85844459	0.90124516
Usp40	0.27759465	0.27183996	0.28749341	-0.0156535	0.60012485	0.89054584
Mrpl55	0.62968948	0.58173343	0.5973872	-0.0156538	0.54858281	0.89054584
Them4	0.1248719	0.11729214	0.13296954	-0.0156774	0.70859993	0.89054584
Man2b2	0.23580547	0.23052974	0.24622234	-0.0156926	0.61674019	0.89054584
Fbxl17	0.17926869	0.17343306	0.18913911	-0.0157061	0.65057638	0.89054584

Lmtk2	0.10607754	0.0975904	0.11329906	-0.0157087	0.74084461	0.89054584
Pepd	0.45295771	0.43525653	0.45097218	-0.0157157	0.56448747	0.89054584
Bbc3	0.17976069	0.1739224	0.18964178	-0.0157194	0.65031795	0.89054584
Smg5	0.33049451	0.32279985	0.33852696	-0.0157271	0.58567865	0.89054584
Mrrf	0.32641881	0.31891397	0.33464535	-0.0157314	0.58667988	0.89054584
Stx1a	0.17481093	0.16884661	0.1845807	-0.0157341	0.65436746	0.89054584
Zfp318	0.27132389	0.26559166	0.28135292	-0.0157613	0.60295055	0.89054584
Msi2	0.65530959	0.60115109	0.61691474	-0.0157637	0.54738099	0.89054584
Gatb	0.07875391	0.06845868	0.08422976	-0.0157711	0.80848716	0.89054584
Ogdh	0.44817568	0.43093164	0.44674043	-0.0158088	0.56547518	0.89054584
Wee1	0.0624407	0.05098527	0.06679812	-0.0158129	0.86496311	0.90367048
Wdr7	0.07153996	0.06069272	0.07652285	-0.0158301	0.8324233	0.89382855
9130401M01	0.48606631	0.46404808	0.47989507	-0.015847	0.5611346	0.89054584
Srbd1	0.12070345	0.1127677	0.12861816	-0.0158505	0.71706751	0.89054584
Rfc3	0.42135022	0.40690289	0.42275531	-0.0158524	0.56934242	0.89054584
Ascc2	0.14252343	0.13545768	0.15132368	-0.015866	0.68739546	0.89054584
Adgrl1	0.38844538	0.37690584	0.39277218	-0.0158663	0.57464068	0.89054584
Ankrd54	0.65403334	0.60006446	0.61595249	-0.015888	0.54782728	0.89054584
Phldb3	0.0523987	0.04016324	0.05606178	-0.0158985	0.90678733	0.92797365
Rragc	0.34746982	0.33868204	0.35460227	-0.0159202	0.58284141	0.89054584
Pdpk1	0.6033131	0.56089666	0.57681898	-0.0159223	0.55116443	0.89054584
Lemd2	0.16740434	0.16105503	0.17698879	-0.0159338	0.66254908	0.89054584
Scp2	1.54058326	1.03045606	1.04640113	-0.0159451	0.52829834	0.89054584
Plekha7	0.13938684	0.13212167	0.14807101	-0.0159493	0.69210775	0.89054584
Fam89a	0.09222474	0.08266263	0.09861313	-0.0159505	0.77444786	0.89054584
Tfb2m	0.21667407	0.21111053	0.22706186	-0.0159513	0.62827783	0.89054584
Tmeff1	0.1865772	0.18063728	0.19659552	-0.0159582	0.6473516	0.89054584
Smpd4	0.09690306	0.08763375	0.10360562	-0.0159719	0.76369032	0.89054584
Nub1	0.35356068	0.34435595	0.36033319	-0.0159772	0.5818304	0.89054584
Trappc4	1.14855362	0.89182418	0.90780865	-0.0159845	0.53268996	0.89054584

Crocc	0.06731609	0.05601604	0.07200912	-0.0159931	0.84960515	0.89887961
St3gal2	0.08044373	0.07003403	0.08603465	-0.0160006	0.80688217	0.89054584
Zfp438	0.06653227	0.05517023	0.07117142	-0.0160012	0.85255421	0.89988783
Dmwd	0.14243638	0.13522048	0.15123345	-0.016013	0.68909975	0.89054584
Fbxl14	0.12693444	0.11908348	0.13512023	-0.0160367	0.70984999	0.89054584
Nubp2	0.33020066	0.32218071	0.3382474	-0.0160667	0.58757014	0.89054584
Serpini1	0.06371511	0.05208846	0.06816036	-0.0160719	0.86401936	0.90314007
1700007K13I	0.17575301	0.16946468	0.18554472	-0.01608	0.65680619	0.89054584
AU041133	0.09443981	0.08488726	0.10097714	-0.0160899	0.77106667	0.89054584
Evi5l	0.08231107	0.07193752	0.08802896	-0.0160914	0.80279327	0.89054584
Cep126	0.10524898	0.09632798	0.11242887	-0.0161009	0.7476794	0.89054584
Gm26601	0.06823454	0.05688926	0.07299067	-0.0161014	0.84796417	0.89866846
Baz2a	0.6537231	0.59960801	0.6157184	-0.0161104	0.54851171	0.89054584
Mul1	0.25890073	0.25301574	0.26913179	-0.016116	0.60987178	0.89054584
Zdhhc5	0.08710037	0.07702607	0.09314294	-0.0161169	0.78992305	0.89054584
Coa5	0.2158717	0.21013156	0.22625471	-0.0161232	0.63005581	0.89054584
Zfp395	0.43985502	0.42321087	0.4393451	-0.0161342	0.56792428	0.89054584
Mfsd6	0.18136181	0.17513874	0.19127688	-0.0161381	0.65286893	0.89054584
Rom1	0.11426332	0.10574182	0.12188258	-0.0161408	0.73137525	0.89054584
Nqo2	0.17946953	0.17320338	0.18934432	-0.0161409	0.65437471	0.89054584
Tsc22d4	1.0082058	0.82261756	0.8387616	-0.016144	0.53572638	0.89054584
Ino80	0.23280934	0.2270861	0.24323223	-0.0161461	0.62144106	0.89054584
Gng4	0.26500726	0.25899338	0.27514827	-0.0161549	0.60778178	0.89054584
C2cd2	0.13897673	0.13147868	0.14764544	-0.0161668	0.69502365	0.89054584
Rhobtb2	0.06904126	0.05768189	0.07385278	-0.0161709	0.84616589	0.89825055
C530008M17	0.10065553	0.09142541	0.1076001	-0.0161747	0.7581434	0.89054584
Qrs1	0.10135904	0.09215824	0.10834014	-0.0161819	0.75674458	0.89054584
Gstm7	0.15399636	0.14699906	0.16318837	-0.0161893	0.6780297	0.89054584
mt-Nd6	0.12935855	0.12145062	0.13764602	-0.0161954	0.70821234	0.89054584
Gm18025	0.12620717	0.11814194	0.13436201	-0.0162201	0.71308634	0.89054584

Mcu	0.11769492	0.10925227	0.12547353	-0.0162213	0.72651597	0.89054584
3110043O21	0.12540601	0.11730006	0.13352661	-0.0162265	0.7143603	0.89054584
Arsb	0.19305635	0.18695908	0.2031869	-0.0162278	0.6450883	0.89054584
Sdad1	0.26879867	0.26264628	0.27887478	-0.0162285	0.60684939	0.89054584
Foxp4	0.36981914	0.35930267	0.37553411	-0.0162314	0.57979537	0.89054584
Mettl18	0.14117445	0.13368855	0.14992524	-0.0162367	0.69306492	0.89054584
Papd5	0.07312879	0.06198366	0.07822049	-0.0162368	0.83325109	0.89393134
Ephb2	0.15520908	0.14818917	0.16443957	-0.0162504	0.67738905	0.89054584
Rbks	0.08754527	0.07736642	0.09361793	-0.0162515	0.79067455	0.89054584
Esyt2	0.16404839	0.15728405	0.17354144	-0.0162574	0.66874497	0.89054584
Abhd14b	0.23876282	0.23290699	0.24916973	-0.0162627	0.61946592	0.89054584
Bhlhb9	0.74519306	0.66555502	0.68182198	-0.016267	0.54425264	0.89054584
Dnajc18	0.30384242	0.2967174	0.31298954	-0.0162721	0.59569346	0.89054584
Gm9726	0.08311312	0.07261197	0.08888547	-0.0162735	0.80316401	0.89054584
Mlst8	0.07826076	0.06741861	0.083703	-0.0162844	0.81763674	0.89054584
Itsn2	0.34148122	0.33266303	0.34894815	-0.0162851	0.58606295	0.89054584
Sytl1	0.18647119	0.18018237	0.19648753	-0.0163052	0.65047894	0.89054584
Gm11273	0.14872317	0.14143054	0.1577415	-0.016311	0.68500782	0.89054584
Lmbr1	0.13215042	0.12422928	0.14055221	-0.0163229	0.70576786	0.89054584
Pcca	0.09453076	0.08474405	0.10107419	-0.0163301	0.77419274	0.89054584
Aig1	0.70972216	0.6405416	0.65688542	-0.0163438	0.54614128	0.89054584
Dock7	0.37701772	0.36586174	0.3822191	-0.0163574	0.57901842	0.89054584
Nol11	0.51804805	0.49082552	0.50719895	-0.0163734	0.55977557	0.89054584
Nln	0.08232007	0.07165656	0.08803857	-0.016382	0.80700835	0.89054584
Prepl	0.19557742	0.18936131	0.20574679	-0.0163855	0.64469377	0.89054584
Ppp6r3	0.2401454	0.23415825	0.25054626	-0.016388	0.61971685	0.89054584
Msh6	0.19715308	0.19095264	0.20734532	-0.0163927	0.64368826	0.89054584
1110059E24I	0.63266829	0.58327165	0.59968084	-0.0164092	0.55072116	0.89054584
Mar-04	0.1076407	0.09852782	0.11494007	-0.0164122	0.7470542	0.89054584
Mical2	0.24188417	0.23585312	0.25227618	-0.0164231	0.61916739	0.89054584

Grin2c	0.10635156	0.09714817	0.11358679	-0.0164386	0.74992572	0.89054584
Pigo	0.10256201	0.09316294	0.10960517	-0.0164422	0.75769363	0.89054584
Mttp	0.16471233	0.15776382	0.17422383	-0.01646	0.67008907	0.89054584
Magohb	0.54712026	0.51500148	0.53146347	-0.016462	0.55737212	0.89054584
Aasdh	0.0686729	0.05699614	0.07345913	-0.016463	0.85178495	0.89985795
Adcy6	0.1262455	0.11793372	0.13440198	-0.0164683	0.7159525	0.89054584
Ahsa1	1.62744941	1.0504299	1.06690056	-0.0164707	0.52866884	0.89054584
Zc3hav1l	0.1244704	0.11607799	0.13255071	-0.0164727	0.71870178	0.89054584
Sfxn3	0.14776379	0.1402748	0.15674936	-0.0164746	0.687813	0.89054584
Fgf9	0.12568357	0.11734024	0.13381606	-0.0164758	0.71688831	0.89054584
Lsm2	0.86254636	0.74139614	0.75787213	-0.016476	0.54033766	0.89054584
Dhodh	0.17876213	0.17214303	0.18862147	-0.0164784	0.6580021	0.89054584
Abcc1	0.05625895	0.04367144	0.06018941	-0.016518	0.89947538	0.92290121
Pik3r4	0.13465992	0.12663869	0.14316193	-0.0165232	0.70461431	0.89054584
lpo7	0.44499027	0.42737923	0.44391396	-0.0165347	0.5688843	0.89054584
Prmt10	0.1329635	0.12486022	0.14139803	-0.0165378	0.70709107	0.89054584
Ppp2r5d	0.11503208	0.10614809	0.12268742	-0.0165393	0.73501954	0.89054584
Mtrf1	0.08625311	0.07569771	0.09223835	-0.0165406	0.79827189	0.89054584
Kdm5c	0.39911038	0.38599796	0.40255746	-0.0165595	0.57599139	0.89054584
Rab10os	0.19284742	0.18641296	0.20297463	-0.0165617	0.64808123	0.89054584
Tmem8b	0.05858296	0.04611057	0.06267411	-0.0165635	0.89088856	0.91722772
Ndc1	0.1284047	0.1200611	0.13665243	-0.0165913	0.71418559	0.89054584
Tbrg4	0.09913207	0.08936127	0.10598378	-0.0166225	0.76752147	0.89054584
Rad9b	0.13808977	0.13009156	0.14672482	-0.0166333	0.70130397	0.89054584
Kdm6a	0.31503659	0.30711442	0.32375932	-0.0166449	0.59464969	0.89054584
Agtrap	0.37441661	0.36315604	0.37980687	-0.0166508	0.5809206	0.89054584
lqcg	0.14025195	0.1323118	0.14896851	-0.0166567	0.69879333	0.89054584
E230001N04	0.0745244	0.06302985	0.07971156	-0.0166817	0.83522103	0.89459411
Dennd2a	0.19067345	0.18406641	0.2007648	-0.0166984	0.65080782	0.89054584
Snx9	0.2253918	0.21911066	0.23581299	-0.0167023	0.62929504	0.89054584

Snx21	0.33429882	0.32542428	0.34214223	-0.0167179	0.59003999	0.89054584
Sort1	0.20733303	0.2009287	0.21764749	-0.0167188	0.63978375	0.89054584
Adck3	0.06058947	0.04809415	0.06481919	-0.016725	0.88534314	0.91420299
Unc80	0.31242864	0.30452505	0.32125563	-0.0167306	0.59585462	0.89054584
Gna11	0.64969982	0.59593795	0.61267752	-0.0167396	0.5506452	0.89054584
Gorab	0.14309878	0.13517494	0.15191991	-0.016745	0.69620592	0.89054584
Raver1	0.37815004	0.36651227	0.38326802	-0.0167558	0.58069824	0.89054584
D130020L05I	0.0651947	0.052986	0.06974183	-0.0167558	0.86850127	0.90498553
Sec16a	0.26595409	0.25931956	0.27607954	-0.01676	0.61134664	0.89054584
Acsl6	0.0876189	0.07693439	0.09369655	-0.0167622	0.79771207	0.89054584
Pxmp4	0.32880268	0.3201516	0.33691676	-0.0167652	0.59166549	0.89054584
Furin	0.24627492	0.23986183	0.25663832	-0.0167765	0.61964773	0.89054584
Galns	0.19303003	0.18637375	0.20316016	-0.0167864	0.64986346	0.89054584
Gys1	0.07173083	0.05993725	0.0767268	-0.0167896	0.84601277	0.89825055
Plekhm2	0.09507881	0.08486931	0.10165904	-0.0167897	0.77918929	0.89054584
Inpp5b	0.10049362	0.0906306	0.10742976	-0.0167992	0.76685683	0.89054584
Pa2g4	1.30188363	0.95447557	0.97127571	-0.0168001	0.53211425	0.89054584
Usb1	0.21952444	0.21311551	0.22992691	-0.0168114	0.63331431	0.89054584
Snupn	0.12946546	0.12093807	0.13775736	-0.0168193	0.7152631	0.89054584
Slc4a1ap	0.30736037	0.29955377	0.31638065	-0.0168269	0.59785093	0.89054584
Mier2	0.16377133	0.15642892	0.17325663	-0.0168277	0.67454708	0.89054584
Tmem259	0.14837214	0.14054334	0.15737853	-0.0168352	0.69089156	0.89054584
C87436	0.28166636	0.27463504	0.29147024	-0.0168352	0.60607304	0.89054584
Ccdc61	0.1439445	0.13592881	0.15279607	-0.0168673	0.69648009	0.89054584
Shtn1	0.20958787	0.20302533	0.21992356	-0.0168982	0.63982016	0.89054584
Ttll5	0.09250887	0.08201341	0.09891638	-0.016903	0.78702076	0.89054584
Poc5	0.14035395	0.13216192	0.14907431	-0.0169124	0.70144262	0.89054584
Bach1	0.12736678	0.11864588	0.13557087	-0.016925	0.71959307	0.89054584
Fancm	0.10672418	0.09705072	0.11397801	-0.0169273	0.75550515	0.89054584
Tmed1	0.58383881	0.54440367	0.56133542	-0.0169317	0.55587904	0.89054584

Sgta	1.03808994	0.83719836	0.85413915	-0.0169408	0.53681158	0.89054584
Aldh3a2	0.16477816	0.15732806	0.17429148	-0.0169634	0.6748858	0.89054584
Mal2	0.09761211	0.08738731	0.10436215	-0.0169748	0.77571225	0.89054584
Ncoa6	0.21578144	0.20918807	0.22616389	-0.0169758	0.63671783	0.89054584
Btbd7	0.08569636	0.0746672	0.0916439	-0.0169767	0.8059456	0.89054584
Aftph	0.25366658	0.24697977	0.26396146	-0.0169817	0.61780776	0.89054584
Tars2	0.15609511	0.14837068	0.16535333	-0.0169826	0.68385191	0.89054584
Immp2l	0.08801053	0.07712468	0.09411465	-0.01699	0.79984045	0.89054584
Sorl1	0.12443226	0.11551877	0.13251092	-0.0169922	0.72488845	0.89054584
Hrsp12	0.51069794	0.48397795	0.50098044	-0.0170025	0.56281775	0.89054584
Sppl2b	0.25835581	0.25158638	0.26859404	-0.0170077	0.61600652	0.89054584
Cep192	0.09554309	0.08514297	0.10215448	-0.0170115	0.78107847	0.89054584
Zfc3h1	0.26502861	0.25815382	0.27516927	-0.0170154	0.61336172	0.89054584
Mocs3	0.15513681	0.14734779	0.16436502	-0.0170172	0.68522306	0.89054584
1700029J07F	0.09106777	0.08034087	0.09737823	-0.0170374	0.7925014	0.89054584
Zfp317	0.0869051	0.075889	0.09293447	-0.0170455	0.80358999	0.89054584
Tnks	0.12543201	0.11650573	0.13355372	-0.017048	0.72398093	0.89054584
Fam234b	0.14278406	0.13454242	0.15159378	-0.0170514	0.69987483	0.89054584
Clasrp	0.20753636	0.20079681	0.21785282	-0.017056	0.64235293	0.89054584
Myo9b	0.13180263	0.12312167	0.14019035	-0.0170687	0.71472545	0.89054584
Ubald1	0.39002064	0.37715035	0.3942215	-0.0170712	0.57994323	0.89054584
Btbd2	0.24418504	0.23746764	0.25456317	-0.0170955	0.62281312	0.89054584
3110082I17R	0.22699023	0.22031609	0.23741383	-0.0170977	0.63138407	0.89054584
Setd7	0.10954365	0.0998328	0.11693659	-0.0171038	0.75220425	0.89054584
Ccpg1os	0.32471477	0.31589387	0.33301988	-0.017126	0.59467689	0.89054584
Rab21	0.05908701	0.04608524	0.06321299	-0.0171277	0.89658925	0.92130916
Tmem138	0.38536425	0.37279734	0.38993406	-0.0171367	0.58111624	0.89054584
Rlim	0.52905528	0.49930171	0.51644942	-0.0171477	0.56146762	0.89054584
Fgfr1op	0.13874006	0.13025051	0.14739981	-0.0171493	0.70610685	0.89054584
Slc12a2	0.12060796	0.11136155	0.1285184	-0.0171568	0.7330145	0.89054584

Kctd3	0.27557726	0.26835279	0.28552002	-0.0171672	0.61030895	0.89054584
Gtpbp8	0.16957894	0.16204312	0.17922014	-0.0171777	0.67239185	0.89054584
Cog4	0.39581252	0.3823597	0.3995385	-0.0171788	0.5793843	0.89054584
Rabl3	0.23983776	0.23303999	0.25024004	-0.0172001	0.62560251	0.89054584
Dars2	0.09998105	0.08968749	0.10688947	-0.017202	0.77330484	0.89054584
Tbc1d10b	0.11491128	0.1053389	0.12256096	-0.0172221	0.7436588	0.89054584
Lmbrd2	0.11251293	0.1028245	0.12004922	-0.0172247	0.74808229	0.89054584
Etaa1	0.26623453	0.25910631	0.27635528	-0.017249	0.61439489	0.89054584
Cpeb2	0.08505976	0.07370467	0.09096416	-0.0172595	0.81164787	0.89054584
Tmem30b	0.13906276	0.13043044	0.14773471	-0.0173043	0.70736569	0.89054584
Zfp426	0.12544779	0.11626497	0.13357019	-0.0173052	0.72694779	0.89054584
Mettl17	0.11112282	0.10127903	0.1185924	-0.0173134	0.75179888	0.89054584
Cyp4v3	0.07028702	0.05784633	0.07518402	-0.0173377	0.85867102	0.90127639
Ccdc30	0.09386515	0.08301995	0.10036387	-0.0173439	0.7896229	0.89054584
Mrps12	1.42184579	0.99525218	1.01260063	-0.0173484	0.53180964	0.89054584
Zfp442	0.12952488	0.12045849	0.13781924	-0.0173608	0.72135632	0.89054584
Cecr2	0.06012463	0.04695652	0.06432227	-0.0173658	0.8957721	0.92079579
Slc4a3	0.0881217	0.07685884	0.09423333	-0.0173745	0.80483064	0.89054584
Nod1	0.21560018	0.20859976	0.22598151	-0.0173818	0.63995945	0.89054584
Snx12	0.52768006	0.49790862	0.51529784	-0.0173892	0.56246443	0.89054584
Fbxw17	0.12061215	0.11112924	0.12852278	-0.0173935	0.73582102	0.89054584
Med15	0.21045403	0.20339478	0.22079728	-0.0174025	0.64326584	0.89054584
Mpp7	0.12695322	0.1177158	0.1351398	-0.017424	0.72597743	0.89054584
Dbp	0.13700294	0.1281642	0.14559632	-0.0174321	0.71151335	0.89054584
Supt6	0.46188228	0.44140041	0.45883292	-0.0174325	0.57024889	0.89054584
Nfrkb	0.18772264	0.1803287	0.19776211	-0.0174334	0.6593543	0.89054584
Poll	0.05850269	0.04514796	0.0625883	-0.0174403	0.90289451	0.92516536
Dcaf6	0.23695019	0.22991307	0.24736369	-0.0174506	0.62879802	0.89054584
Prss36	0.09545782	0.08459688	0.10206349	-0.0174666	0.78736346	0.89054584
Zfyve19	0.3991014	0.38507936	0.40254925	-0.0174699	0.58011569	0.89054584

Arpc5l	1.40332434	0.98920906	1.00668539	-0.0174763	0.53223149	0.89054584
Nfkbiz	0.10041441	0.0898395	0.10734642	-0.0175069	0.77631824	0.89054584
Dcp2	0.2651433	0.25775904	0.2752821	-0.0175231	0.61660049	0.89054584
Mrps24	1.30430061	0.95464946	0.97218121	-0.0175317	0.5334784	0.89054584
Mipep	0.25091232	0.24370314	0.26123574	-0.0175326	0.6227383	0.89054584
Ankrd10	0.54326391	0.51074291	0.5282761	-0.0175332	0.56144259	0.89054584
Fam8a1	0.23583134	0.22871434	0.24624815	-0.0175338	0.62995509	0.89054584
Mgat4a	0.09722542	0.08641019	0.10394958	-0.0175394	0.78409611	0.89054584
Rbm5	1.3310878	0.96445258	0.98200179	-0.0175492	0.53317731	0.89054584
Pvrl1	0.13896419	0.13006758	0.14763243	-0.0175648	0.71031539	0.89054584
Sin3a	0.29795764	0.28973643	0.30730291	-0.0175665	0.60500398	0.89054584
Mpdz	0.24780975	0.24058567	0.25816103	-0.0175754	0.62444508	0.89054584
Zfp944	0.15977428	0.15156808	0.16914431	-0.0175762	0.68585065	0.89054584
Al837181	0.11171007	0.10161784	0.11920791	-0.0175901	0.75410475	0.89054584
Ftsj2	0.20687378	0.19958424	0.21718364	-0.0175994	0.64711222	0.89054584
Ska2	0.27967149	0.27190344	0.28952287	-0.0176194	0.61161401	0.89054584
Cfap77	0.19495836	0.18749352	0.20511845	-0.0176249	0.65554049	0.89054584
Aste1	0.09989913	0.08917117	0.10680209	-0.0176309	0.77908286	0.89054584
Zfp410	0.4521165	0.43256107	0.45022876	-0.0176677	0.57253203	0.89054584
Bcl2l13	0.17754865	0.16968991	0.18738116	-0.0176913	0.66998278	0.89054584
Rpap1	0.17382784	0.16587962	0.18357431	-0.0176947	0.67331102	0.89054584
Amigo1	0.11768058	0.10775329	0.12545854	-0.0177052	0.74456693	0.89054584
Fbxw11	0.21450319	0.20716171	0.22487739	-0.0177157	0.64320095	0.89054584
Nat6	0.15675611	0.1483185	0.16603482	-0.0177163	0.69044788	0.89054584
Fbxl4	0.12619244	0.11656869	0.13434666	-0.017778	0.73122218	0.89054584
Epb41l1	0.13019224	0.12071717	0.13851416	-0.017797	0.72528152	0.89054584
Tufm	0.45094938	0.43139191	0.44919662	-0.0178047	0.57325426	0.89054584
Nuak2	0.06202139	0.04854192	0.06634991	-0.017808	0.89443005	0.91973864
Thap3	0.25789744	0.25032979	0.26814159	-0.0178118	0.62152129	0.89054584
Dach1	0.21483796	0.20738379	0.22521439	-0.0178306	0.64388248	0.89054584

Asb13	0.26855297	0.26079079	0.27863349	-0.0178427	0.61727895	0.89054584
Cdr2l	0.07248492	0.05968738	0.07753254	-0.0178452	0.85821144	0.90124396
Cdk2ap1	0.38832316	0.37481241	0.3926597	-0.0178473	0.5838527	0.89054584
Ccm2	0.33223284	0.32233157	0.34017985	-0.0178483	0.59655559	0.89054584
Mvb12b	0.1045325	0.09379166	0.11167619	-0.0178845	0.7722002	0.89054584
Chmp4c	0.10416642	0.09340125	0.11129153	-0.0178903	0.77305088	0.89054584
Lsm5	1.23068921	0.92543328	0.94333499	-0.0179017	0.53522576	0.89054584
Dapk3	0.66079619	0.60313152	0.62103859	-0.0179071	0.55343165	0.89054584
Isoc2b	0.1173109	0.10716276	0.1250719	-0.0179091	0.74765134	0.89054584
Map3k7	0.17517913	0.16704347	0.18495751	-0.017914	0.67409217	0.89054584
Pde3b	0.23784619	0.23033713	0.24825661	-0.0179195	0.63167328	0.89054584
Nrip1	0.45728993	0.43686658	0.45479401	-0.0179274	0.57285592	0.89054584
Cuedc1	0.49924863	0.47329712	0.49122576	-0.0179286	0.56751102	0.89054584
Fancc	0.0517229	0.03740793	0.05533913	-0.0179312	0.93442826	0.94723402
Sall1	0.0654287	0.05205601	0.06999194	-0.0179359	0.88373887	0.91341314
Mina	0.17876356	0.17068654	0.18862293	-0.0179364	0.67112607	0.89054584
Las1l	0.46755488	0.4458449	0.46380422	-0.0179593	0.57158167	0.89054584
Mark1	0.07099907	0.05795549	0.07594489	-0.0179894	0.86511316	0.90376211
Rfwd2	0.31730912	0.30794739	0.32593814	-0.0179907	0.60147187	0.89054584
Sepn1	0.22164066	0.21405961	0.23205166	-0.017992	0.64103604	0.89054584
Opa3	0.30282764	0.29401386	0.31201018	-0.0179963	0.60592795	0.89054584
C2cd4c	0.07360569	0.06073152	0.07873002	-0.0179985	0.85658069	0.9009252
Map3k1	0.2078251	0.20013806	0.21814438	-0.0180063	0.6497196	0.89054584
Pus7	0.22476292	0.2171764	0.23518285	-0.0180065	0.63934385	0.89054584
Sephs2	0.54617819	0.5126775	0.53068568	-0.0180082	0.56280923	0.89054584
Tefm	0.15588647	0.14712558	0.16513819	-0.0180126	0.69433599	0.89054584
Lancl2	0.12596257	0.11609376	0.13410699	-0.0180132	0.73427312	0.89054584
Tm2d2	1.35849603	0.9736088	0.99164057	-0.0180318	0.53375687	0.89054584
Apex1	0.8817026	0.7512947	0.76933682	-0.0180421	0.54350157	0.89054584
Acadm	0.63651564	0.58457341	0.60263422	-0.0180608	0.55552281	0.89054584

Wdr18	0.63934042	0.5867332	0.60479615	-0.018063	0.55533215	0.89054584
Hmg20a	0.1581567	0.14941526	0.16747825	-0.018063	0.69233484	0.89054584
Cpm	0.07988576	0.06737163	0.08543871	-0.0180671	0.83773487	0.89485554
Kif3b	0.19662145	0.18872684	0.2068061	-0.0180793	0.65810277	0.89054584
Trmu	0.10489343	0.09397158	0.11205537	-0.0180838	0.77393598	0.89054584
Ago3	0.15448574	0.14560633	0.16369334	-0.018087	0.6966472	0.89054584
Scarb1	0.27168587	0.26361839	0.28170791	-0.0180895	0.6175941	0.89054584
Zfp870	0.08810337	0.07611559	0.09421376	-0.0180982	0.81459791	0.89054584
Ubac2	0.26626892	0.25828352	0.2763891	-0.0181056	0.61989157	0.89054584
Ncbp3	0.43951361	0.42092698	0.43904085	-0.0181139	0.57621419	0.89054584
Dph6	0.29424054	0.28558764	0.30370199	-0.0181144	0.60944903	0.89054584
Memo1	0.37807126	0.36507784	0.38319507	-0.0181172	0.58717029	0.89054584
Med16	0.33168653	0.32151867	0.33966057	-0.0181419	0.59825875	0.89054584
Ggcx	0.26301756	0.25504793	0.27318986	-0.0181419	0.62148751	0.89054584
Zfp143	0.08960343	0.07763698	0.09581513	-0.0181781	0.81162467	0.89054584
Pacrgl	0.22561574	0.21785427	0.23603735	-0.0181831	0.64016522	0.89054584
Slc20a2	0.12254993	0.11235618	0.13054648	-0.0181903	0.74188745	0.89054584
Stk11ip	0.07449598	0.06148471	0.07968121	-0.0181965	0.85632318	0.9009252
Swsap1	0.10805188	0.09717221	0.11537158	-0.0181994	0.7688083	0.89054584
Ing3	0.30448682	0.29540444	0.31361118	-0.0182067	0.60660277	0.89054584
Adrbk2	0.34969873	0.33849221	0.35670178	-0.0182096	0.59399673	0.89054584
Habp4	0.28137214	0.27296975	0.29118314	-0.0182134	0.61463304	0.89054584
Egln1	0.17257287	0.16406969	0.18228903	-0.0182193	0.67926683	0.89054584
Rorc	0.36778234	0.3554055	0.37363743	-0.0182319	0.58991903	0.89054584
Sik3	0.16247628	0.15369021	0.17192495	-0.0182347	0.68939545	0.89054584
Chd3os	0.23959094	0.23174148	0.24999433	-0.0182528	0.63313328	0.89054584
Mib2	0.15661248	0.14762296	0.16588675	-0.0182638	0.6960033	0.89054584
Gdpd1	0.31402336	0.30451098	0.32278701	-0.018276	0.60402793	0.89054584
Exosc2	0.29460702	0.2857729	0.30405733	-0.0182844	0.61032433	0.89054584
Ppp1r8	0.45399381	0.43359651	0.45188724	-0.0182907	0.57478772	0.89054584

Def8	0.19673168	0.18861196	0.20691792	-0.018306	0.65989437	0.89054584
Pdgfa	0.40408798	0.38878538	0.40710236	-0.018317	0.58301877	0.89054584
Pcyt1a	0.14376671	0.13427775	0.1526119	-0.0183342	0.71215991	0.89054584
Crlf2	0.18804632	0.17974396	0.19809166	-0.0183477	0.66695546	0.89054584
Vps16	0.13248895	0.12255324	0.14090441	-0.0183512	0.72799921	0.89054584
Bag2	0.30157668	0.29243464	0.31080217	-0.0183675	0.60846873	0.89054584
Tmbim1	0.40360182	0.38828692	0.40665909	-0.0183722	0.58335466	0.89054584
Gm5900	0.45855871	0.43753307	0.45591115	-0.0183781	0.57448526	0.89054584
Tmem177	0.13122259	0.12120864	0.13958672	-0.0183781	0.73019386	0.89054584
1500011K16l	0.77496802	0.68366453	0.70206082	-0.0183963	0.54858196	0.89054584
C2cd5	0.26454746	0.25628456	0.27469587	-0.0184113	0.62257946	0.89054584
Ercc5	0.14513532	0.13561401	0.15402929	-0.0184153	0.71123943	0.89054584
Ksr2	0.12351281	0.11313048	0.13155153	-0.0184211	0.74292446	0.89054584
Sertad1	0.21144026	0.20336555	0.22179171	-0.0184262	0.65064365	0.89054584
Ccdc58	0.56890556	0.53086072	0.54929239	-0.0184317	0.56211438	0.89054584
Btaf1	0.18189623	0.17337576	0.19182241	-0.0184466	0.67293355	0.89054584
Pfdn2	1.98703191	1.09843033	1.11687972	-0.0184494	0.53067217	0.89054584
Fam73a	0.20478613	0.19662421	0.21507396	-0.0184497	0.65529624	0.89054584
Sfmbt1	0.12173954	0.11124932	0.12970033	-0.018451	0.74626277	0.89054584
Dirc2	0.15721711	0.14802296	0.16651	-0.018487	0.69751494	0.89054584
Zbtb4	0.18439207	0.17586212	0.19436853	-0.0185064	0.67133116	0.89054584
Fads6	0.08463017	0.07197494	0.09050545	-0.0185305	0.82993116	0.89271879
Foxred1	0.12642815	0.11604893	0.13459242	-0.0185435	0.73952645	0.89054584
Nbeal1	0.50785175	0.48001102	0.49856324	-0.0185522	0.56881796	0.89054584
Mapk14	0.27322942	0.26465259	0.28322089	-0.0185683	0.61998664	0.89054584
Phactr4	0.28118583	0.2724118	0.29100133	-0.0185895	0.61700299	0.89054584
Ptpru	0.10825097	0.0969833	0.11558049	-0.0185972	0.77326277	0.89054584
Ddx20	0.17387899	0.1650271	0.18362668	-0.0185996	0.68150274	0.89054584
Carf	0.17610916	0.16730622	0.18590907	-0.0186029	0.6794615	0.89054584
Tmem102	0.11995635	0.10923151	0.12783758	-0.0186061	0.75114069	0.89054584

Cstf2	0.2343534	0.22615671	0.2447737	-0.018617	0.63846158	0.89054584
Papolg	0.13083542	0.1205661	0.13918373	-0.0186176	0.73342146	0.89054584
Exoc6b	0.26632614	0.25781401	0.27644535	-0.0186313	0.62323739	0.89054584
Inip	0.18280254	0.17410855	0.19274728	-0.0186387	0.67383262	0.89054584
Park2	0.07031335	0.05656615	0.07521215	-0.018646	0.87595643	0.90910816
AW146154	0.09339684	0.08121321	0.09986408	-0.0186509	0.80788141	0.89054584
Zer1	0.24399618	0.23572462	0.25437554	-0.0186509	0.63367236	0.89054584
Cfap36	0.92959639	0.77819309	0.79684668	-0.0186536	0.54342349	0.89054584
Fpgt	0.08957977	0.07713002	0.09578988	-0.0186599	0.8179449	0.89054584
Zbtb5	0.16210267	0.15287822	0.17154064	-0.0186624	0.69387357	0.89054584
Cchr1	0.06877533	0.05490304	0.0735686	-0.0186656	0.88140699	0.91204329
Gm4944	0.09964553	0.08786399	0.10653156	-0.0186676	0.79286083	0.89054584
Fis1	1.79316054	1.07810956	1.09678206	-0.0186725	0.53160998	0.89054584
Mtfmt	0.1477319	0.13804317	0.15671637	-0.0186732	0.71059578	0.89054584
Zdhhc24	0.09430243	0.08215579	0.10083053	-0.0186747	0.80589785	0.89054584
Ripk1	0.2475436	0.23919776	0.25789706	-0.0186993	0.63224501	0.89054584
Csrp2bp	0.12733274	0.11680633	0.13553538	-0.0187291	0.74014715	0.89054584
Smurf2	0.21989044	0.21155871	0.23029453	-0.0187358	0.64766807	0.89054584
Slc35a4	0.5276766	0.49654571	0.51529494	-0.0187492	0.56730521	0.89054584
Gm4419	0.10836153	0.09694258	0.1156965	-0.0187539	0.77493398	0.89054584
Map2k5	0.28618735	0.27711146	0.29587683	-0.0187654	0.61618778	0.89054584
Bmpr1a	0.37672855	0.36318393	0.38195112	-0.0187672	0.59053339	0.89054584
Prmt3	0.29714209	0.28774573	0.30651345	-0.0187677	0.61227957	0.89054584
Cnst	0.16881031	0.15965976	0.17843167	-0.0187719	0.68798408	0.89054584
Zfp113	0.19296172	0.18431492	0.20309076	-0.0187758	0.66666454	0.89054584
Kbtbd7	0.13241264	0.12201814	0.14082502	-0.0188069	0.73309202	0.89054584
Llgl2	0.42044262	0.40312747	0.42193646	-0.018809	0.58226261	0.89054584
Cbx2	0.1350609	0.12475106	0.1435787	-0.0188276	0.72937779	0.89054584
Paxbp1	0.2581215	0.24952642	0.26836276	-0.0188363	0.62817002	0.89054584
Ngrn	0.62861932	0.57771552	0.59656171	-0.0188462	0.5585059	0.89054584

Rnf208	0.11469629	0.10348491	0.12233589	-0.018851	0.76359221	0.89054584
Gm12258	0.1267251	0.11603815	0.134902	-0.0188639	0.74263075	0.89054584
Asah1	0.75237502	0.66789099	0.6867618	-0.0188708	0.55093271	0.89054584
Sec22c	0.11081391	0.09937937	0.11826857	-0.0188892	0.771592	0.89054584
Sytl5	0.12345328	0.11258305	0.1314894	-0.0189063	0.74853637	0.89054584
Eef1e1	0.64722988	0.59188977	0.61080514	-0.0189154	0.55735943	0.89054584
Zxdc	0.09368905	0.08126008	0.10017593	-0.0189159	0.81049744	0.89054584
Zdhhc17	0.16487289	0.15545959	0.17438883	-0.0189292	0.69346995	0.89054584
Enc1	0.18015445	0.17106986	0.19004399	-0.0189741	0.67908872	0.89054584
Dennd6a	0.30228774	0.29251269	0.31148892	-0.0189762	0.61172874	0.89054584
Zdhhc14	0.07587231	0.06216283	0.08115158	-0.0189887	0.86217665	0.90260095
Gtf2h2	0.2644243	0.25556792	0.27457468	-0.0190068	0.62646445	0.89054584
Tspan33	0.1242259	0.11328396	0.13229562	-0.0190117	0.74841726	0.89054584
Tigar	0.11997171	0.10884112	0.12785364	-0.0190125	0.75578541	0.89054584
Ranbp2	0.40223076	0.38639412	0.40540825	-0.0190141	0.58648407	0.89054584
Arfgef3	0.11641475	0.10511788	0.12413443	-0.0190165	0.76229922	0.89054584
Ddx51	0.1079348	0.09623154	0.11524872	-0.0190172	0.77898544	0.89054584
Wdr91	0.09417586	0.08166942	0.10069546	-0.019026	0.81064884	0.89054584
Pik3ca	0.25145863	0.24273519	0.26177667	-0.0190415	0.63265316	0.89054584
Pola1	0.18794982	0.17893524	0.19799341	-0.0190582	0.67308708	0.89054584
Acvr2b	0.07175834	0.05769124	0.07675619	-0.0190649	0.87640524	0.9091719
Rbl2	0.11753374	0.10623502	0.12530497	-0.0190699	0.76084899	0.89054584
Tmem229b	0.10362553	0.09165289	0.11072312	-0.0190702	0.78884671	0.89054584
Naglu	0.18894125	0.1799234	0.19900259	-0.0190792	0.67244393	0.89054584
Tomm5	1.25482628	0.9340313	0.95311206	-0.0190808	0.53715521	0.89054584
Xrcc4	0.28742238	0.27799648	0.29707898	-0.0190825	0.61762964	0.89054584
Dph5	0.13500456	0.12441951	0.14352014	-0.0191006	0.7323854	0.89054584
Aida	0.46981668	0.44667838	0.46578143	-0.019103	0.57576725	0.89054584
Cdk10	0.14976293	0.13970923	0.15881634	-0.0191071	0.71243582	0.89054584
Ralgapa2	0.1571891	0.14737195	0.16648114	-0.0191092	0.70359443	0.89054584

Rbm12	0.18562373	0.17651475	0.19562403	-0.0191093	0.67548237	0.89054584
Hacl1	0.12223533	0.11110336	0.13021803	-0.0191147	0.75297604	0.89054584
Dcun1d5	1.05936884	0.84589877	0.86502931	-0.0191305	0.54103231	0.89054584
Stat5b	0.14357461	0.13327562	0.1524129	-0.0191373	0.72072157	0.89054584
Spopl	0.25230568	0.24347521	0.26261511	-0.0191399	0.63290324	0.89054584
Aldh7a1	0.5353437	0.50255515	0.52169973	-0.0191446	0.56787517	0.89054584
Mfsd1	0.27578211	0.26655671	0.28572049	-0.0191638	0.62266345	0.89054584
Rfc2	0.7960936	0.6968635	0.71603333	-0.0191698	0.54963149	0.89054584
Fam175a	0.17637182	0.16698978	0.18617774	-0.019188	0.68444414	0.89054584
Abi2	0.25748498	0.24852937	0.26773437	-0.019205	0.6308831	0.89054584
Sypl	0.87759473	0.74769139	0.76690099	-0.0192096	0.5464506	0.89054584
Med19	0.45082271	0.42986988	0.44908456	-0.0192147	0.5790012	0.89054584
Sars2	0.12175942	0.11049042	0.12972109	-0.0192307	0.75511383	0.89054584
Epb41l4b	0.10207005	0.08983868	0.1090879	-0.0192492	0.79448955	0.89054584
3010003L21F	0.15947971	0.14957041	0.16884099	-0.0192706	0.70254894	0.89054584
Psmg3	0.50668877	0.47829818	0.49757407	-0.0192759	0.57161454	0.89054584
Spidr	0.13702729	0.12634345	0.14562161	-0.0192782	0.73130851	0.89054584
Fam120aos	0.09076386	0.0777731	0.09705383	-0.0192807	0.82265904	0.89073269
Ski	0.39463428	0.37914264	0.3984584	-0.0193158	0.58934015	0.89054584
Tet2	0.25298595	0.24395464	0.26328821	-0.0193336	0.63386659	0.89054584
Ube2e1	1.28674567	0.94622364	0.96556507	-0.0193414	0.537177	0.89054584
Slc12a7	0.10054042	0.08811911	0.10747899	-0.0193599	0.79932194	0.89054584
Tbc1d24	0.19357343	0.18434854	0.20371216	-0.0193636	0.67106294	0.89054584
Stx12	0.79873364	0.69838162	0.71775677	-0.0193752	0.55004049	0.89054584
Sptbn2	0.09963538	0.08714319	0.10652072	-0.0193775	0.80164816	0.89054584
Dera	0.48878662	0.46284671	0.48224185	-0.0193951	0.57431729	0.89054584
Snx19	0.09359523	0.08067688	0.10007581	-0.0193989	0.81676356	0.89054584
Zdhhc7	0.1761962	0.16659339	0.1859981	-0.0194047	0.68653608	0.89054584
Slc35c1	0.13402023	0.12308826	0.14249693	-0.0194087	0.73714458	0.89054584
C330007P06I	0.2443135	0.23528016	0.25469079	-0.0194106	0.63873128	0.89054584

Golga2	0.22273418	0.21372844	0.23314881	-0.0194204	0.65101843	0.89054584
Psm2	2.38284828	1.10999793	1.12941949	-0.0194216	0.53192726	0.89054584
Rbm15b	0.15769655	0.14757878	0.16700411	-0.0194253	0.70606032	0.89054584
Samd8	0.19004488	0.1806947	0.20012549	-0.0194308	0.67449183	0.89054584
Pygo2	0.18645372	0.17703476	0.19646973	-0.019435	0.67755296	0.89054584
Slc7a5	0.24656936	0.23749013	0.25693052	-0.0194404	0.63777362	0.89054584
Ttc7	0.0688232	0.05415639	0.07361975	-0.0194634	0.8909724	0.91722772
Rwdd3	0.15205604	0.14172032	0.16118531	-0.019465	0.71315349	0.89054584
Efcab7	0.0814408	0.06763313	0.08709954	-0.0194664	0.85112152	0.89958153
Mapk13	0.26543727	0.25610413	0.27557126	-0.0194671	0.62896778	0.89054584
Dus2	0.09366574	0.08067728	0.10015105	-0.0194738	0.81750645	0.89054584
Setx	0.20918238	0.20003828	0.21951442	-0.0194761	0.66032805	0.89054584
Impad1	0.70314346	0.63267606	0.65216268	-0.0194866	0.55535756	0.89054584
Pex13	0.5207578	0.48999502	0.50948287	-0.0194879	0.57071928	0.89054584
Trappc11	0.24401346	0.23488945	0.25439271	-0.0195033	0.63952231	0.89054584
Etv6	0.09109926	0.07789299	0.09741184	-0.0195188	0.82472757	0.89148775
Smndc1	0.44938876	0.42828816	0.44781521	-0.0195271	0.58049261	0.89054584
Tsc2	0.11921519	0.10753461	0.127063	-0.0195284	0.76301525	0.89054584
Ubr1	0.22597641	0.21686302	0.23639862	-0.0195356	0.649884	0.89054584
Cutc	0.11865591	0.1069381	0.12647837	-0.0195403	0.76417069	0.89054584
Rnaseh2a	0.30366224	0.29327475	0.31281569	-0.0195409	0.6144875	0.89054584
Nploc4	0.17425155	0.16446515	0.18400811	-0.019543	0.68963368	0.89054584
Sipa1l3	0.30791855	0.29737181	0.31691812	-0.0195463	0.61307625	0.89054584
Wdsub1	0.23250214	0.22336836	0.24292541	-0.0195571	0.64619752	0.89054584
Dyrk1b	0.12605162	0.11462184	0.13419984	-0.019578	0.751646	0.89054584
Dgcr14	0.23754096	0.22836307	0.24795247	-0.0195894	0.64359249	0.89054584
Got1	0.25819651	0.24884434	0.26843681	-0.0195925	0.63308807	0.89054584
Thbs3	0.23795115	0.22876401	0.24836119	-0.0195972	0.643421	0.89054584
Pdzd8	0.29224519	0.28216695	0.30176615	-0.0195992	0.61889893	0.89054584
Cpped1	0.19212606	0.18262867	0.2022416	-0.0196129	0.67429836	0.89054584

Ptpns	0.36100641	0.34767909	0.36731164	-0.0196326	0.59832627	0.89054584
Cpeb4	0.27836404	0.26861217	0.28824549	-0.0196333	0.62450546	0.89054584
D230025D16	0.15607486	0.14569418	0.16533246	-0.0196383	0.71000227	0.89054584
Hira	0.10113857	0.08846754	0.10810824	-0.0196407	0.80134053	0.89054584
Ecdc4	0.15632783	0.14595208	0.16559329	-0.0196412	0.70973213	0.89054584
Msra	0.14044934	0.12952902	0.14917326	-0.0196442	0.73023501	0.89054584
Lins1	0.08461802	0.07084819	0.09049248	-0.0196443	0.84408087	0.89775379
Net1	0.07834701	0.0641502	0.08379514	-0.0196449	0.86263678	0.90267402
Brd2	0.93997158	0.7829461	0.8025914	-0.0196453	0.54539635	0.89054584
Al661453	0.09455687	0.08145413	0.10110206	-0.0196479	0.81737519	0.89054584
Apmap	0.40693241	0.39003862	0.40969317	-0.0196545	0.58842961	0.89054584
Nfil3	0.18782486	0.17820998	0.19786619	-0.0196562	0.67825454	0.89054584
Rell1	0.22538453	0.21612288	0.23580571	-0.0196828	0.6513191	0.89054584
Adsl	0.33038528	0.31873784	0.33842304	-0.0196852	0.606804	0.89054584
Golph3l	0.27791576	0.26811965	0.28780733	-0.0196877	0.62502241	0.89054584
Fam193b	0.17703239	0.16714181	0.18685332	-0.0197115	0.68845664	0.89054584
Smim8	0.49304037	0.46618442	0.48590229	-0.0197179	0.57497689	0.89054584
Ypel1	0.14216324	0.13121903	0.15095035	-0.0197313	0.72873405	0.89054584
Sptlc2	0.39742515	0.38126789	0.40101552	-0.0197476	0.59073077	0.89054584
Fbxl3	0.23177829	0.22242331	0.2422023	-0.019779	0.64819932	0.89054584
1700007L15F	0.11617142	0.10409831	0.12387983	-0.0197815	0.77154794	0.89054584
Srxn1	0.11397398	0.10179223	0.1215796	-0.0197874	0.77585051	0.89054584
Brd4	0.71271192	0.63922899	0.65902179	-0.0197928	0.5556403	0.89054584
Bms1	0.23332164	0.22394561	0.24374379	-0.0197982	0.64744228	0.89054584
Acdb5	0.50480225	0.47616584	0.49596769	-0.0198019	0.57378212	0.89054584
Exd2	0.21604428	0.20659772	0.22642834	-0.0198306	0.65837441	0.89054584
Fnbp1	0.18543142	0.17556578	0.19542804	-0.0198623	0.68207531	0.89054584
Zranb1	0.50741776	0.47833058	0.49819421	-0.0198636	0.57368266	0.89054584
Cyb5rl	0.12128987	0.10936155	0.12923071	-0.0198692	0.76310002	0.89054584
Abcb8	0.34598433	0.33333206	0.35320154	-0.0198695	0.60337411	0.89054584

Kti12	0.35008047	0.33718492	0.35706109	-0.0198762	0.60231533	0.89054584
Pex11a	0.10397981	0.09120955	0.11109544	-0.0198859	0.7978432	0.89054584
Tspyl4	0.28822163	0.27794881	0.29785655	-0.0199077	0.62224721	0.89054584
Il17ra	0.08755534	0.0737187	0.09362868	-0.01991	0.83908782	0.89500145
2700081015	0.20131675	0.19164538	0.21156427	-0.0199189	0.66953948	0.89054584
Mapre2	0.4310095	0.4115189	0.43144014	-0.0199212	0.58516359	0.89054584
Cml1	0.12051875	0.10848732	0.12842521	-0.0199379	0.76525104	0.89054584
Lig4	0.14809178	0.13714815	0.15708859	-0.0199404	0.72287202	0.89054584
Kdm4a	0.23478377	0.22526042	0.24520316	-0.0199427	0.64762584	0.89054584
Tkt	1.10884597	0.86946049	0.8894109	-0.0199504	0.54161566	0.89054584
Det1	0.12878696	0.11707925	0.13705066	-0.0199714	0.75140384	0.89054584
Zfp275	0.0841334	0.0699852	0.08997499	-0.0199898	0.84968411	0.89887961
Naf1	0.12532719	0.11343258	0.13344441	-0.0200118	0.75762163	0.89054584
Asap2	0.21573619	0.20610377	0.22611837	-0.0200146	0.6599698	0.89054584
1810013L24F	0.18352563	0.17345684	0.19348493	-0.0200281	0.68518877	0.89054584
Prr14	0.19113527	0.18119589	0.20123441	-0.0200385	0.67865031	0.89054584
Trim62	0.14854597	0.13751821	0.15755827	-0.0200401	0.72326799	0.89054584
Atp6v1h	0.74648827	0.66267335	0.68271559	-0.0200422	0.55439405	0.89054584
Trmt10b	0.15760682	0.14683876	0.16691164	-0.0200729	0.71235807	0.89054584
Abhd12	0.33494141	0.322661	0.34275214	-0.0200911	0.60760938	0.89054584
Akt2	0.47039635	0.4461936	0.46628769	-0.0200941	0.57956129	0.89054584
Fam193a	0.38026718	0.36513054	0.3852273	-0.0200968	0.59601679	0.89054584
Nol8	0.18012571	0.16991532	0.19001463	-0.0200993	0.68892736	0.89054584
Tsfm	0.69243581	0.62431097	0.64441124	-0.0201003	0.55777096	0.89054584
Rbm19	0.1045472	0.09157256	0.11169163	-0.0201191	0.79932633	0.89054584
Gm20721	0.109125	0.09636717	0.11649747	-0.0201303	0.78960366	0.89054584
Hcn3	0.08660033	0.07247191	0.09260907	-0.0201372	0.84448243	0.89775379
Ccdc97	0.15438662	0.14345061	0.16359107	-0.0201405	0.71687533	0.89054584
Gspt2	0.16697024	0.15638662	0.17654312	-0.0201565	0.70261147	0.89054584
Tmem106c	0.55373198	0.51674782	0.53690733	-0.0201595	0.56943324	0.89054584

Chordc1	0.64927741	0.59217646	0.6123576	-0.0201811	0.56101468	0.89054584
Ulk3	0.07907497	0.06439113	0.08457271	-0.0201816	0.86687992	0.90430169
Senp3	0.27419312	0.26398126	0.28416492	-0.0201837	0.62964576	0.89054584
Gm5786	0.0629646	0.04717175	0.06735814	-0.0201864	0.91867681	0.93597769
Phf10	0.18061319	0.17031438	0.19051251	-0.0201981	0.68932595	0.89054584
Tomm7	2.44047118	1.10832254	1.12852877	-0.0202062	0.53324043	0.89054584
Stk40	0.13782045	0.1262389	0.14644521	-0.0202063	0.73983416	0.89054584
Zfp90	0.16025948	0.14941954	0.16964385	-0.0202243	0.71069681	0.89054584
Nkiras2	0.68853484	0.62133294	0.64156711	-0.0202342	0.55840903	0.89054584
Lrrc41	0.52835023	0.49560846	0.51585918	-0.0202507	0.57255892	0.89054584
Rcan1	0.10658434	0.09356923	0.11383119	-0.020262	0.79653042	0.89054584
Cnih1	1.27102922	0.93921103	0.95952106	-0.02031	0.53927805	0.89054584
Tmem209	0.16793867	0.15722669	0.17753724	-0.0203105	0.70297989	0.89054584
2410018L13F	0.09019531	0.07613138	0.09644694	-0.0203156	0.83679191	0.89467618
Pfdn6	1.24044993	0.92694887	0.94728507	-0.0203362	0.53983482	0.89054584
Kat6b	0.31316807	0.30161883	0.32196586	-0.020347	0.61578438	0.89054584
Ralgapa1	0.26078291	0.25063962	0.27098811	-0.0203485	0.63677049	0.89054584
Tor1aip2	0.6999069	0.62947537	0.64982825	-0.0203529	0.55800768	0.89054584
Rgp1	0.0840731	0.06955766	0.0899106	-0.0203529	0.85420457	0.90035231
Glce	0.1294309	0.11736342	0.13772136	-0.0203579	0.75448888	0.89054584
C1qtnf4	0.47469746	0.44966869	0.47003771	-0.020369	0.58000041	0.89054584
Casp3	0.11666009	0.10401877	0.12439111	-0.0203723	0.77727573	0.89054584
Nol6	0.11392259	0.1011534	0.12152579	-0.0203724	0.78260391	0.89054584
Atad2b	0.19346831	0.18322795	0.20360539	-0.0203774	0.67949271	0.89054584
Fam118a	0.10849339	0.09541515	0.11583485	-0.0204197	0.79425997	0.89054584
Fbxo25	0.2329969	0.22299655	0.24341953	-0.020423	0.65205956	0.89054584
Nars2	0.10924107	0.09618953	0.11661922	-0.0204297	0.79279768	0.89054584
Mbtd1	0.3809605	0.36542539	0.38586839	-0.020443	0.59747892	0.89054584
Rps6ka2	0.08225597	0.06752388	0.08797011	-0.0204462	0.8605609	0.90160514
Riok1	0.34503558	0.33183653	0.3523063	-0.0204698	0.60668712	0.89054584

Ano10	0.17941708	0.16881617	0.18929073	-0.0204746	0.6928456	0.89054584
Arfgef2	0.1071155	0.09388986	0.11438881	-0.0204989	0.7981134	0.89054584
Igf2bp2	0.72444101	0.64683855	0.66734142	-0.0205029	0.55690925	0.89054584
Znrd1as	0.13837366	0.12651064	0.14701951	-0.0205089	0.74212522	0.89054584
Ulk2	0.13560619	0.12363119	0.14414535	-0.0205142	0.7463479	0.89054584
Gtpbp6	0.30632153	0.29485606	0.31537993	-0.0205239	0.6191268	0.89054584
Zfp512	0.49809932	0.46969995	0.490242	-0.020542	0.57738896	0.89054584
D630039A03	0.10184754	0.08831134	0.10885391	-0.0205426	0.81035928	0.89054584
Camsap1	0.25925101	0.24892763	0.26947738	-0.0205497	0.63881029	0.89054584
Lrfn3	0.14762884	0.13603581	0.15660977	-0.020574	0.72974736	0.89054584
Pank4	0.12769849	0.1153323	0.13591656	-0.0205843	0.75977729	0.89054584
Zfp512b	0.24382331	0.23360482	0.25420379	-0.020599	0.64710986	0.89054584
Ubn2	0.81976232	0.71068927	0.73130377	-0.0206145	0.55224265	0.89054584
Mtmr14	0.19824467	0.18782352	0.20845214	-0.0206286	0.67761971	0.89054584
Abl2	0.13110585	0.11882853	0.13946522	-0.0206367	0.75470923	0.89054584
Mpi	0.18284525	0.17214125	0.19279086	-0.0206496	0.69111517	0.89054584
Pcbp4	0.6632312	0.60219599	0.62286208	-0.0206661	0.56142384	0.89054584
Wdr34	0.29596251	0.2846974	0.305371	-0.0206736	0.62377482	0.89054584
Dnttip1	0.23780474	0.22750258	0.24821532	-0.0207127	0.65127797	0.89054584
Trp53bp2	0.23144984	0.22115463	0.2418741	-0.0207195	0.6550885	0.89054584
Tjp2	0.11268885	0.09950219	0.12023352	-0.0207313	0.78910532	0.89054584
Gas8	0.37370639	0.35839378	0.37914758	-0.0207538	0.60064668	0.89054584
Itpr3	0.29434833	0.28304049	0.30380651	-0.020766	0.6249288	0.89054584
Trim56	0.1678621	0.15669134	0.17745865	-0.0207673	0.70719823	0.89054584
Mgat3	0.10631121	0.09277133	0.11354442	-0.0207731	0.80299261	0.89054584
Dcaf11	0.54141495	0.50595393	0.5267445	-0.0207906	0.57294937	0.89054584
Ccdc134	0.10342198	0.08971672	0.11050919	-0.0207925	0.80964442	0.89054584
Creb3l2	0.59093406	0.54621307	0.56700589	-0.0207928	0.56782885	0.89054584
Rnmtl1	0.13207772	0.11967683	0.14047657	-0.0207997	0.75484906	0.89054584
Slc25a1	0.25044652	0.23997332	0.26077441	-0.0208011	0.64491504	0.89054584

Dpagt1	0.21954426	0.20913635	0.22994682	-0.0208105	0.66335603	0.89054584
Zbtb14	0.19274169	0.18204631	0.2028672	-0.0208209	0.68373238	0.89054584
Rbm28	0.39642668	0.37927746	0.40010118	-0.0208237	0.59579583	0.89054584
C1galt1	0.23353578	0.22313181	0.24395759	-0.0208258	0.65458059	0.89054584
Mob3a	0.08793815	0.07320992	0.09403738	-0.0208275	0.84893237	0.89883797
Lrif1	0.41521249	0.39636502	0.41720845	-0.0208434	0.59202506	0.89054584
Llph	1.19972282	0.90951482	0.9303753	-0.0208605	0.54159816	0.89054584
Diablo	0.99836614	0.81277554	0.83365655	-0.020881	0.54644905	0.89054584
Kcmf1	0.34544722	0.33181329	0.35269478	-0.0208815	0.60866269	0.89054584
Syn2	0.11481185	0.10156484	0.12245688	-0.020892	0.78664941	0.89054584
Frrs1	0.23119666	0.22071895	0.24162109	-0.0209021	0.65653886	0.89054584
Sh3d19	0.20357896	0.19294116	0.21385336	-0.0209122	0.67565633	0.89054584
St14	0.12575908	0.11297031	0.13389481	-0.0209245	0.76671743	0.89054584
Aven	0.07664636	0.06105347	0.08197849	-0.020925	0.88281857	0.91259206
St3gal6	0.42027421	0.40085124	0.42178446	-0.0209332	0.59142959	0.89054584
Fam71e1	0.10077529	0.08678923	0.10772609	-0.0209369	0.81739393	0.89054584
Ibtk	0.33275806	0.31973679	0.34067895	-0.0209422	0.61271166	0.89054584
Tango2	0.202764	0.19207715	0.21302898	-0.0209518	0.67660146	0.89054584
Trrap	0.3322753	0.31925942	0.34022021	-0.0209608	0.61295722	0.89054584
Sdhaf3	0.22012335	0.20955389	0.23052844	-0.0209745	0.66417775	0.89054584
Kdm3b	0.12097387	0.10792143	0.12890065	-0.0209792	0.77585407	0.89054584
Sh3bp5l	0.20445702	0.19376058	0.21474126	-0.0209807	0.67551314	0.89054584
Cnot8	0.447194	0.42487174	0.44587001	-0.0209983	0.58683585	0.89054584
Frmd8	0.10307804	0.0891411	0.11014766	-0.0210066	0.81286926	0.89054584
Gas2l1	0.12670886	0.11386551	0.13488506	-0.0210196	0.76608585	0.89054584
Nap1l3	0.09725495	0.08294841	0.10398108	-0.0210327	0.82700159	0.89186561
Tmem170b	0.09455352	0.08003985	0.10109848	-0.0210586	0.83408866	0.89427341
Znfx1	0.1039882	0.09004507	0.111110425	-0.0210592	0.81140242	0.89054584
Fem1a	0.23671706	0.22607079	0.24713129	-0.0210605	0.65432894	0.89054584
Dmxl2	0.15126406	0.13929182	0.16036737	-0.0210755	0.72982373	0.89054584

Siae	0.10438247	0.09040237	0.11151855	-0.0211162	0.81115931	0.89054584
Ints12	0.18965944	0.17861409	0.19973338	-0.0211193	0.68886102	0.89054584
Eps15	0.23610632	0.22539667	0.24652237	-0.0211257	0.65514449	0.89054584
Zfp407	0.11995945	0.10671442	0.12784082	-0.0211264	0.77932509	0.89054584
Plpp6	0.2476128	0.23681901	0.25796569	-0.0211467	0.64873806	0.89054584
Fsd1l	0.17069024	0.15921198	0.1803597	-0.0211477	0.70756149	0.89054584
Trmt6	0.45293021	0.42976301	0.45094788	-0.0211849	0.58662444	0.89054584
Dync1h1	0.62636307	0.57362875	0.59481895	-0.0211902	0.56591093	0.89054584
Glb1l2	0.11380619	0.10021072	0.12140389	-0.0211932	0.79197686	0.89054584
Rad52	0.11685792	0.10337554	0.12459807	-0.0212225	0.78627069	0.89054584
Plekhb1	0.11508052	0.10150806	0.12273812	-0.0212301	0.78983788	0.89054584
Rassf7	0.368454	0.35301605	0.37426313	-0.0212471	0.60429886	0.89054584
Mxd1	0.16769095	0.15602897	0.17728299	-0.021254	0.71176516	0.89054584
Rpl6	5.06561588	0.66648275	0.68774399	-0.0212612	0.5572611	0.89054584
Glis2	0.18370918	0.17232904	0.19367215	-0.0213431	0.69617326	0.89054584
Smyd5	0.12324007	0.10991832	0.13126688	-0.0213486	0.77568646	0.89054584
Tmtc4	0.22663713	0.21571149	0.23706031	-0.0213488	0.66259937	0.89054584
Ccdc66	0.18669763	0.1753679	0.1967182	-0.0213503	0.69344745	0.89054584
Fbxo38	0.17112983	0.15945453	0.18081032	-0.0213558	0.70893458	0.89054584
Rfxank	0.1114982	0.0976268	0.11898586	-0.0213591	0.79851338	0.89054584
Rad51d	0.13496174	0.12211052	0.14347564	-0.0213651	0.75608624	0.89054584
D6Wsu163e	0.09546172	0.08069884	0.10206765	-0.0213688	0.83531726	0.89459411
Tpk1	0.14147508	0.12886512	0.15023696	-0.0213718	0.74625595	0.89054584
Pcmdt2	0.33453602	0.32097252	0.34236739	-0.0213949	0.61452855	0.89054584
Pias1	0.39618658	0.37847948	0.39988124	-0.0214018	0.59845413	0.89054584
Vps39	0.13086253	0.1178044	0.13921195	-0.0214075	0.76313904	0.89054584
Setbp1	0.21216365	0.20110097	0.22252085	-0.0214199	0.67309304	0.89054584
Gdap1	0.15090611	0.13857622	0.1599976	-0.0214214	0.73360913	0.89054584
Gm20342	0.20902734	0.19792982	0.21935796	-0.0214281	0.67548564	0.89054584
Usp24	0.09215016	0.07710155	0.09853353	-0.021432	0.84455679	0.89775379

Rbm48	0.18117705	0.16961373	0.19108825	-0.0214745	0.69971199	0.89054584
Irf6	0.23220808	0.2211534	0.24263169	-0.0214783	0.65998408	0.89054584
Klhdc4	0.20970835	0.19856572	0.22004511	-0.0214794	0.67536479	0.89054584
Fam63a	0.21322471	0.20207444	0.22358992	-0.0215155	0.67303805	0.89054584
Zbtb6	0.13242732	0.11931827	0.14084029	-0.021522	0.76174898	0.89054584
Txlng	0.18555142	0.17401338	0.19555035	-0.021537	0.69606392	0.89054584
Klhl2	0.12317171	0.10965178	0.13119553	-0.0215438	0.77787897	0.89054584
Tgds	0.35815038	0.34308447	0.36463842	-0.021554	0.60849256	0.89054584
B3glct	0.12392359	0.11042118	0.13198019	-0.021559	0.77668332	0.89054584
Enpp4	0.19708517	0.18570533	0.20727645	-0.0215711	0.68610964	0.89054584
Erap1	0.1396625	0.1267812	0.14835702	-0.0215758	0.75097397	0.89054584
Pprc1	0.13092038	0.11767587	0.13927218	-0.0215963	0.76498823	0.89054584
Ubqln4	0.20639334	0.19508842	0.21669829	-0.0216099	0.67889288	0.89054584
Cep295	0.2606352	0.24923107	0.27084249	-0.0216114	0.64496136	0.89054584
Ddhd1	0.1103225	0.09613936	0.11775335	-0.021614	0.80376951	0.89054584
Fmnl2	0.15256868	0.14009747	0.16171464	-0.0216172	0.73328644	0.89054584
Lrwd1	0.20310843	0.19175591	0.21337743	-0.0216215	0.68156875	0.89054584
Ccng1	0.26307414	0.25161652	0.27324558	-0.0216291	0.6438555	0.89054584
Zc3h7a	0.53407522	0.49899678	0.5206427	-0.0216459	0.57679354	0.89054584
Usf3	0.11363954	0.09958269	0.12122936	-0.0216467	0.797267	0.89054584
Slc4a8	0.11106227	0.09686874	0.11852892	-0.0216602	0.80272168	0.89054584
Spg11	0.07458557	0.05810986	0.07977692	-0.0216671	0.89712668	0.92166544
Hook2	0.10270025	0.08808206	0.10975051	-0.0216684	0.82116967	0.89054584
Rap1gap	0.15993609	0.14761779	0.16931091	-0.0216931	0.72472337	0.89054584
Mbp	0.29532407	0.2830478	0.30475238	-0.0217046	0.6299842	0.89054584
Fig4	0.08105206	0.06497675	0.08668437	-0.0217076	0.87833396	0.91048804
Mtfr1l	0.96380679	0.79381172	0.81552633	-0.0217146	0.54936267	0.89054584
Adck2	0.21729089	0.20596214	0.22768217	-0.02172	0.67163973	0.89054584
Ccdc71	0.2764839	0.26468175	0.28640713	-0.0217254	0.63810703	0.89054584
Riad1	0.25164478	0.24023043	0.26196096	-0.0217305	0.65042736	0.89054584

Klhl28	0.12641426	0.11284341	0.13457794	-0.0217345	0.77410241	0.89054584
Cep68	0.2145122	0.20314651	0.22488645	-0.0217399	0.67378298	0.89054584
Ccdc148	0.12933678	0.11587907	0.13762334	-0.0217443	0.7691667	0.89054584
Tmem135	0.20634714	0.19488299	0.21665162	-0.0217686	0.68015032	0.89054584
Mad1l1	0.12483865	0.11116025	0.13293486	-0.0217746	0.77730715	0.89054584
Grwd1	0.22017612	0.20878928	0.23058143	-0.0217921	0.67014532	0.89054584
4931406P16I	0.33245377	0.31859169	0.34038982	-0.0217981	0.61728296	0.89054584
Apbb2	0.31408894	0.30104663	0.32284996	-0.0218033	0.62348124	0.89054584
Abcb6	0.12758007	0.11395527	0.13579315	-0.0218379	0.77314313	0.89054584
Nup205	0.12762687	0.11396671	0.13584192	-0.0218752	0.77344773	0.89054584
Trim24	0.27361363	0.26171734	0.28359732	-0.02188	0.64036875	0.89054584
Pank1	0.15021996	0.13740192	0.15928866	-0.0218867	0.73896325	0.89054584
Taf8	0.13887449	0.1256497	0.14753933	-0.0218896	0.75528716	0.89054584
Tmie	0.08740828	0.07156366	0.09347169	-0.021908	0.86257673	0.90267402
Cdc42bpa	0.32487484	0.31124549	0.33317263	-0.0219271	0.62043354	0.89054584
Atp2b1	1.53002544	1.02172561	1.04365994	-0.0219343	0.5390004	0.89054584
Yeats4	0.93180001	0.77613158	0.79807343	-0.0219419	0.55096142	0.89054584
Cnppd1	0.30830595	0.29533181	0.31729106	-0.0219593	0.62643977	0.89054584
Vgll4	0.53805525	0.50197843	0.52395578	-0.0219774	0.57746774	0.89054584
Saysd1	0.48223585	0.45459766	0.47658278	-0.0219851	0.58508532	0.89054584
N6amt1	0.56539306	0.52444471	0.54643888	-0.0219942	0.57437448	0.89054584
Ripk4	0.12606786	0.11222191	0.13421677	-0.0219949	0.7774135	0.89054584
Btbd6	0.14699276	0.13394674	0.15595174	-0.022005	0.74453266	0.89054584
Gcc1	0.15053693	0.13760384	0.15961618	-0.0220123	0.73972731	0.89054584
Eif2s2	2.42584982	1.10679687	1.12881645	-0.0220196	0.53620641	0.89054584
Lsm12	0.59191915	0.54576871	0.5677905	-0.0220218	0.57169744	0.89054584
Kctd18	0.10384613	0.0889313	0.11095496	-0.0220237	0.82245513	0.89073269
2610528J11F	0.29470387	0.28211449	0.30415122	-0.0220367	0.6321508	0.89054584
Mapk8ip3	0.33208184	0.31797156	0.34003634	-0.0220648	0.61879447	0.89054584
Ccdc9	0.2070871	0.19532742	0.21739911	-0.0220717	0.68189492	0.89054584

Zfp740	0.16557272	0.15303064	0.17510785	-0.0220772	0.72152879	0.89054584
Filip1	0.28231867	0.27002708	0.29210659	-0.0220795	0.63763939	0.89054584
B3galnt1	0.28906103	0.27658429	0.29867284	-0.0220886	0.6347856	0.89054584
Cc2d1a	0.15938771	0.14664025	0.16874625	-0.022106	0.72917768	0.89054584
Zfp37	0.10500564	0.09002107	0.11217325	-0.0221522	0.82122828	0.89054584
Fut11	0.22088453	0.20911	0.23129271	-0.0221827	0.67250018	0.89054584
Dtnb	0.26335714	0.25129892	0.27352424	-0.0222253	0.64749418	0.89054584
Larp1b	0.09794939	0.08248822	0.10472201	-0.0222338	0.83870542	0.89497393
Eif3j2	0.46140477	0.43617236	0.45841355	-0.0222412	0.58941535	0.89054584
Grip1	0.1235002	0.10925438	0.13153837	-0.022284	0.78502398	0.89054584
Ncaph2	0.53305472	0.49748812	0.51979157	-0.0223035	0.57922373	0.89054584
Ccdc191	0.25189949	0.23990846	0.26221308	-0.0223046	0.65405939	0.89054584
9330151L19F	0.11459284	0.09991477	0.12222759	-0.0223128	0.80247547	0.89054584
Anks1	0.10733574	0.09230251	0.11461999	-0.0223175	0.81783226	0.89054584
Gpr89	0.31855803	0.30481304	0.32713442	-0.0223214	0.62471726	0.89054584
Oma1	0.18475214	0.17239023	0.19473563	-0.0223454	0.70353721	0.89054584
Mtdh	1.24116683	0.92521575	0.94757871	-0.022363	0.54377608	0.89054584
Phldb1	0.12586496	0.11162644	0.1340052	-0.0223788	0.78172714	0.89054584
Pafah1b1	1.62508925	1.04399629	1.06638621	-0.0223899	0.53896219	0.89054584
Zmat3	0.19033953	0.17801897	0.20042519	-0.0224062	0.6987606	0.89054584
Cnpy2	1.91941179	1.08908996	1.11151315	-0.0224232	0.53744044	0.89054584
Rictor	0.10483191	0.08954664	0.11199074	-0.0224441	0.82477067	0.89148775
Zfp322a	0.7056546	0.63152315	0.65396877	-0.0224456	0.56352203	0.89054584
Zfp362	0.14821889	0.13477367	0.15722005	-0.0224464	0.7470256	0.89054584
Trappc12	0.18892652	0.17653109	0.1989876	-0.0224565	0.70047926	0.89054584
Vcp	2.53818314	1.10296121	1.12542015	-0.0224589	0.53703792	0.89054584
D8Ertd738e	1.89715156	1.08692034	1.10939855	-0.0224782	0.53760337	0.89054584
Siah1b	0.1264804	0.11216371	0.13464689	-0.0224832	0.78169919	0.89054584
Nampt	0.20816169	0.1959947	0.21848421	-0.0224895	0.68423148	0.89054584
Ddhd2	0.28255558	0.26982401	0.29233766	-0.0225136	0.64012635	0.89054584

2810474O19	0.43757571	0.41477276	0.43731259	-0.0225398	0.59488512	0.89054584
Ldlrad3	0.20745259	0.19522157	0.21776823	-0.0225467	0.68522634	0.89054584
Map1s	0.14468491	0.13101543	0.1535629	-0.0225475	0.75303367	0.89054584
Rab15	0.09533547	0.07937877	0.10193292	-0.0225541	0.84869649	0.89883797
Qsox1	0.4194885	0.39851722	0.42107513	-0.0225579	0.59854765	0.89054584
Med23	0.13995042	0.12609308	0.14865573	-0.0225627	0.76025536	0.89054584
Stk4	0.20543795	0.19316739	0.21573285	-0.0225655	0.68698457	0.89054584
Fam214a	0.0953148	0.07933127	0.10191087	-0.0225796	0.84902142	0.89883797
AK010878	0.33895054	0.32396992	0.34655307	-0.0225832	0.61928374	0.89054584
Clcc1	0.40345371	0.38393182	0.40652402	-0.0225922	0.60215016	0.89054584
Man2a2	0.17874133	0.16600234	0.18860021	-0.0225979	0.71165605	0.89054584
Znrf2	0.20144417	0.18908074	0.21169327	-0.0226125	0.69063677	0.89054584
Pou2f1	0.20840879	0.19610811	0.21873366	-0.0226255	0.68506695	0.89054584
Cnpy4	0.34678086	0.3313242	0.35395277	-0.0226286	0.61709152	0.89054584
Mapre3	0.69006218	0.62004259	0.64268194	-0.0226394	0.56518071	0.89054584
Pdrg1	0.62000073	0.56724375	0.58988668	-0.0226429	0.57096617	0.89054584
AI987944	0.2342257	0.22198769	0.24464626	-0.0226586	0.66694769	0.89054584
Mast4	0.65045265	0.59057737	0.61324737	-0.02267	0.56837076	0.89054584
Endov	0.1310956	0.11676997	0.13945455	-0.0226846	0.77573059	0.89054584
2700046G09	0.19825036	0.18575886	0.2084579	-0.022699	0.69403254	0.89054584
Ccs	0.52243655	0.48819387	0.5108959	-0.022702	0.58200423	0.89054584
Cdc27	0.23487877	0.22258777	0.24529794	-0.0227102	0.66688728	0.89054584
Rnpepl1	0.59428551	0.54694261	0.56967261	-0.02273	0.57373539	0.89054584
Herc4	0.12942841	0.11498324	0.13771878	-0.0227355	0.77909164	0.89054584
Fam21	0.3980646	0.37882663	0.40160079	-0.0227742	0.6041876	0.89054584
Dpm2	0.56209201	0.52096841	0.54374973	-0.0227813	0.57737956	0.89054584
Rpgr	0.2394377	0.22705709	0.24984176	-0.0227847	0.66453745	0.89054584
Rsph3a	0.11439909	0.09923868	0.12202474	-0.0227861	0.8078439	0.89054584
Tmem184c	0.41689385	0.39592873	0.41873012	-0.0228014	0.60013497	0.89054584
Pbx3	0.20458967	0.19204913	0.21487536	-0.0228262	0.68967161	0.89054584

Trappc8	0.12761333	0.11299972	0.13582781	-0.0228281	0.78318988	0.89054584
Hdac11	0.19296075	0.18024975	0.20308977	-0.02284	0.69984585	0.89054584
Plppr2	0.13374288	0.11936468	0.14220855	-0.0228439	0.77288919	0.89054584
Tecpr2	0.09145965	0.07493508	0.09779651	-0.0228614	0.8619449	0.90253338
Gosr1	0.17497775	0.16188738	0.18475142	-0.022864	0.71788519	0.89054584
Mtpap	0.33942426	0.32411056	0.34700167	-0.0228911	0.62070862	0.89054584
Lgalsl	0.23644007	0.22395673	0.24685514	-0.0228984	0.66718958	0.89054584
Pelp1	0.36576078	0.3488383	0.37175269	-0.0229144	0.61300951	0.89054584
Mphosph10	0.4379301	0.41470863	0.43762881	-0.0229202	0.59638666	0.89054584
Ticam1	0.13426947	0.11982475	0.14275605	-0.0229313	0.77288409	0.89054584
Zkscan8	0.10342733	0.08758278	0.11051481	-0.022932	0.83316277	0.89393134
Rsl24d1	0.56612612	0.52410015	0.54703508	-0.0229349	0.57743279	0.89054584
Spryd3	0.22589817	0.2133842	0.23632026	-0.0229361	0.67442797	0.89054584
Arfgef1	0.54535077	0.50705717	0.53000211	-0.0229449	0.57992267	0.89054584
Clk2	0.13164787	0.1170621	0.14002931	-0.0229672	0.77760995	0.89054584
Cars	0.20343652	0.19074039	0.2137093	-0.0229689	0.69171965	0.89054584
Ppip5k2	0.16841538	0.15505167	0.17802645	-0.0229748	0.72616276	0.89054584
Kpna6	0.18986654	0.17694079	0.19994408	-0.0230033	0.70402231	0.89054584
Ttc30b	0.13589303	0.12142645	0.14444339	-0.0230169	0.77107704	0.89054584
Ythdf3	0.47541779	0.44764209	0.47066463	-0.0230225	0.59013486	0.89054584
Gm13830	0.11018546	0.09457728	0.11760966	-0.0230324	0.81921966	0.89054584
Gyg	0.70901445	0.63333171	0.65637879	-0.0230471	0.56497182	0.89054584
Kdm4c	0.18806819	0.17505264	0.19811393	-0.0230613	0.70620104	0.89054584
Dtnbp1	0.22114808	0.2084921	0.23155727	-0.0230652	0.678702	0.89054584
Dmxl1	0.30925888	0.29512765	0.31820809	-0.0230804	0.63229009	0.89054584
Nbas	0.13171889	0.11700694	0.1401032	-0.0230963	0.77876672	0.89054584
Fktn	0.2212979	0.20860529	0.23170766	-0.0231024	0.67886199	0.89054584
Phf2	0.18875913	0.17569411	0.19881724	-0.0231231	0.70603935	0.89054584
Hgh1	0.11760805	0.10223922	0.12538269	-0.0231435	0.80509441	0.89054584
Cep131	0.21063665	0.19783213	0.22098145	-0.0231493	0.68724487	0.89054584

Tollip	0.34325474	0.32746337	0.35062461	-0.0231612	0.62086605	0.89054584
Kat2b	0.11762302	0.10223257	0.12539834	-0.0231658	0.80529314	0.89054584
Rnf217	0.1595611	0.14575091	0.1689248	-0.0231739	0.73863252	0.89054584
Ggnbp1	0.13058062	0.11572574	0.1389185	-0.0231928	0.78166259	0.89054584
Arhgef11	0.12037818	0.10507007	0.12827834	-0.0232083	0.80035813	0.89054584
Smchd1	0.6235568	0.5694167	0.59264687	-0.0232302	0.57245113	0.89054584
Nup93	0.2901168	0.27646044	0.29969905	-0.0232386	0.64104503	0.89054584
Dedd2	0.18722898	0.17401336	0.1972594	-0.023246	0.70850863	0.89054584
Cmpk1	1.35386259	0.96678903	0.99004349	-0.0232545	0.54356955	0.89054584
Agbl5	0.10737829	0.09139788	0.11466466	-0.0232668	0.8277606	0.89225823
Kdm5b	0.93320869	0.77558661	0.79885578	-0.0232692	0.55397323	0.89054584
Cab39l	0.24709156	0.23413471	0.25744865	-0.0233139	0.66345198	0.89054584
Pan3	0.35928409	0.34238409	0.3657001	-0.023316	0.61678239	0.89054584
Zfp788	0.15197298	0.13777888	0.16109954	-0.0233207	0.74997943	0.89054584
Gm9803	0.16251778	0.14864613	0.17196763	-0.0233215	0.7362495	0.89054584
Nsd1	1.01612313	0.81946897	0.84281928	-0.0233503	0.55135124	0.89054584
Pde7a	0.12364586	0.10832876	0.13169038	-0.0233616	0.7957361	0.89054584
St6galnac2	0.20514761	0.19206554	0.21543938	-0.0233738	0.69338436	0.89054584
Glb1	0.34974633	0.33336339	0.35674659	-0.0233832	0.6199591	0.89054584
Pex1	0.11207895	0.09620366	0.11959448	-0.0233908	0.81890932	0.89054584
Gm10094	0.37942764	0.36104982	0.38445066	-0.0234008	0.61163452	0.89054584
Mar-07	0.67051027	0.60488226	0.62828844	-0.0234062	0.56889579	0.89054584
Zbtb24	0.18716092	0.17377866	0.19719009	-0.0234114	0.70991402	0.89054584
Anapc16	1.100123	0.86180538	0.88523016	-0.0234248	0.54905887	0.89054584
Hmgxb3	0.09090264	0.07377445	0.09720197	-0.0234275	0.86925859	0.90542007
Noc2l	0.17978927	0.16623598	0.18967097	-0.023435	0.71757078	0.89054584
Gm14296	0.08715522	0.06972834	0.0932015	-0.0234732	0.87967677	0.91127746
Aqp11	0.15493749	0.14067394	0.16415941	-0.0234855	0.74746429	0.89054584
Cldn12	0.14366613	0.12899096	0.15250771	-0.0235167	0.76374791	0.89054584
Trim13	0.13091186	0.11574008	0.13926331	-0.0235232	0.7843446	0.89054584

Slc35b2	0.60128552	0.55168339	0.57521836	-0.023535	0.57558828	0.89054584
Scamp1	0.35733001	0.34032298	0.36386973	-0.0235468	0.61847942	0.89054584
2310011J03F	0.54592182	0.50692247	0.53047393	-0.0235515	0.58193379	0.89054584
Pin4	0.95261327	0.78594817	0.80950049	-0.0235523	0.55391202	0.89054584
Zfp943	0.19424583	0.18083898	0.20439503	-0.023556	0.70434272	0.89054584
Dcx	0.19692909	0.18353852	0.20711814	-0.0235796	0.70208371	0.89054584
Spty2d1	0.41886772	0.39693084	0.42051443	-0.0235836	0.60306406	0.89054584
lah1	0.40666942	0.3858659	0.40945382	-0.0235879	0.60580177	0.89054584
Mgat1	0.4231891	0.40081731	0.42441289	-0.0235956	0.60218917	0.89054584
Lrrc40	0.15158344	0.13709825	0.16069725	-0.023599	0.75307019	0.89054584
Tmem68	0.17891401	0.1651671	0.18877668	-0.0236096	0.71994432	0.89054584
Cep44	0.29364132	0.27949988	0.30312085	-0.023621	0.64171709	0.89054584
Pnrc2	0.75896807	0.66759442	0.69126384	-0.0236694	0.5633727	0.89054584
C2cd3	0.20524893	0.19185932	0.21554179	-0.0236825	0.69563852	0.89054584
Ifnar1	0.37460112	0.3562762	0.37997811	-0.0237019	0.61432557	0.89054584
Elmo3	0.08539069	0.06760603	0.09131752	-0.0237115	0.88681058	0.91505129
Slc25a10	0.13071403	0.11533093	0.13905737	-0.0237264	0.78667127	0.89054584
Stox2	0.18167777	0.16786521	0.19159942	-0.0237342	0.71807156	0.89054584
Clta	2.60075155	1.09874784	1.12248354	-0.0237357	0.53923894	0.89054584
Tmem41a	0.08589057	0.06811476	0.09185126	-0.0237365	0.88570115	0.91420299
Pard6a	0.21771259	0.20436573	0.22810615	-0.0237404	0.68612099	0.89054584
Sos1	0.14882917	0.13401338	0.1578511	-0.0238377	0.75914819	0.89054584
M6pr	0.72281745	0.64233987	0.66619566	-0.0238558	0.56624887	0.89054584
Blzf1	0.28380023	0.26969317	0.29355113	-0.023858	0.64752571	0.89054584
Misp	0.20018462	0.18655943	0.21041786	-0.0238584	0.70134002	0.89054584
Mthfsd	0.30448352	0.28973897	0.313608	-0.023869	0.63855418	0.89054584
Mdp1	0.52801388	0.49170433	0.51557748	-0.0238731	0.58539943	0.89054584
Exo5	0.10899217	0.09248394	0.11635813	-0.0238742	0.83044233	0.89271879
Tkfc	0.22992101	0.21645622	0.24034602	-0.0238898	0.67834911	0.89054584
Smg6	0.45610178	0.42985389	0.45374696	-0.0238931	0.5968984	0.89054584

Sh3glb1	1.4467416	0.99637724	1.02029051	-0.0239133	0.54347603	0.89054584
Morc2a	0.13929771	0.12405874	0.14797852	-0.0239198	0.77430153	0.89054584
Sc5d	0.16197995	0.14749227	0.17141439	-0.0239221	0.74221489	0.89054584
Phlpp2	0.13593693	0.12056657	0.14448901	-0.0239224	0.77975357	0.89054584
Rp9	0.63219785	0.57539109	0.59931902	-0.0239279	0.57378119	0.89054584
Rab12	0.31212481	0.29702834	0.32096372	-0.0239354	0.63586715	0.89054584
Ap3s2	0.54018648	0.50178846	0.52572566	-0.0239372	0.58399707	0.89054584
Paip2b	0.29436816	0.27987562	0.30382574	-0.0239501	0.64328638	0.89054584
Etnk1	0.60819817	0.55670873	0.58066392	-0.0239552	0.57620874	0.89054584
Mb21d2	0.1228135	0.10686467	0.13082163	-0.023957	0.80321956	0.89054584
Tbc1d14	0.16548742	0.15103867	0.17502022	-0.0239816	0.73838545	0.89054584
Bahcc1	0.11017287	0.09360505	0.11759645	-0.0239914	0.82906898	0.89265604
Atg13	0.16212587	0.14756868	0.17156451	-0.0239958	0.74267732	0.89054584
Mpped2	0.33232184	0.31623855	0.34026444	-0.0240259	0.62890902	0.89054584
Fbxl6	0.37637499	0.35759629	0.38162339	-0.0240271	0.61536432	0.89054584
Rbm18	0.62170189	0.56718092	0.59120818	-0.0240273	0.57508833	0.89054584
Rusc1	0.16012352	0.14546866	0.16950388	-0.0240352	0.74557387	0.89054584
Snhg9	0.21588604	0.20221557	0.22626914	-0.0240536	0.68979499	0.89054584
Sh3bp4	0.17639493	0.1621315	0.18620138	-0.0240699	0.72649679	0.89054584
Vmac	0.21435676	0.20064386	0.22472996	-0.0240861	0.69122858	0.89054584
Dvl3	0.10766333	0.09086032	0.11496382	-0.0241035	0.83566616	0.89459411
Akt3	0.09893194	0.08166086	0.10577028	-0.0241094	0.85587433	0.9009252
Camsap3	0.1048073	0.08784752	0.11196489	-0.0241174	0.84220014	0.89691028
Sfi1	0.10176285	0.08464282	0.10876485	-0.024122	0.84926053	0.89883846
Cant1	0.28327348	0.2688988	0.29303766	-0.0241389	0.64942867	0.89054584
Zbtb41	0.13391849	0.11825052	0.14239115	-0.0241406	0.78519668	0.89054584
Lrrc47	0.2842954	0.26987646	0.29403379	-0.0241573	0.64905518	0.89054584
Nav1	0.52123002	0.48572082	0.50988052	-0.0241597	0.58735839	0.89054584
Rpp14	0.46854688	0.44051166	0.46467171	-0.0241601	0.59570139	0.89054584
Smug1	0.11449884	0.09795238	0.12212917	-0.0241768	0.82181078	0.89054584

Emc1	0.23550286	0.22173146	0.24592053	-0.0241891	0.67661707	0.89054584
Wrn	0.14557157	0.13028973	0.15448093	-0.0241912	0.76717491	0.89054584
Rab33b	0.20592539	0.19202388	0.21622547	-0.0242016	0.69897817	0.89054584
Slc7a1	0.15370008	0.13867998	0.1628826	-0.0242026	0.75561579	0.89054584
Bmi1	0.2548755	0.24092674	0.26515672	-0.02423	0.66484892	0.89054584
Arl14ep	0.15197622	0.13687077	0.16110289	-0.0242321	0.75827666	0.89054584
Clpx	0.57708827	0.53166763	0.55590923	-0.0242416	0.58049619	0.89054584
Slc52a2	0.10670107	0.08969473	0.11395374	-0.024259	0.83935674	0.89504222
Gm15545	0.09900989	0.08158718	0.10585344	-0.0242663	0.85724744	0.9009252
Ppm1a	0.24334703	0.22943669	0.2537305	-0.0242938	0.67222928	0.89054584
Ankrd16	0.17977711	0.16535732	0.18965854	-0.0243012	0.72473189	0.89054584
Fgfbp3	0.08772128	0.06943468	0.09380585	-0.0243712	0.88693986	0.91505129
Gtf3c6	0.5725695	0.52788447	0.55226024	-0.0243758	0.58146285	0.89054584
Trmt13	0.29893787	0.28383509	0.30825135	-0.0244163	0.64394719	0.89054584
Supt3	0.20479756	0.19066788	0.21508551	-0.0244176	0.70156513	0.89054584
Slc7a4	0.22191068	0.20788636	0.23232263	-0.0244363	0.68794681	0.89054584
Setdb1	0.24103455	0.22690299	0.25143105	-0.0245281	0.67526466	0.89054584
Actl6a	0.99542371	0.80760466	0.83213855	-0.0245339	0.5546266	0.89054584
Cdk5rap2	0.15354157	0.13817034	0.16271899	-0.0245487	0.75893248	0.89054584
Nsdhl	0.23896744	0.22480442	0.2493735	-0.0245691	0.67688792	0.89054584
Dopey2	0.16585233	0.15082071	0.17539508	-0.0245744	0.74304383	0.89054584
Thap2	0.2838344	0.26900332	0.29358443	-0.0245811	0.651762	0.89054584
Ccdc43	0.30102113	0.28567502	0.31026544	-0.0245904	0.64402905	0.89054584
Rundc1	0.25780629	0.24342644	0.26805161	-0.0246252	0.66567598	0.89054584
Cep170	0.35537363	0.33740079	0.36203513	-0.0246343	0.62438326	0.89054584
Ercc2	0.13076104	0.11444948	0.13910631	-0.0246568	0.79554275	0.89054584
Zfp868	0.12196916	0.10527834	0.12994011	-0.0246618	0.81171563	0.89054584
Efcab14	0.60902815	0.55665157	0.58131558	-0.024664	0.57834804	0.89054584
Rbbp5	0.13980898	0.12384255	0.148509	-0.0246664	0.78048194	0.89054584
Alg12	0.14859483	0.13294012	0.15760879	-0.0246687	0.76706331	0.89054584

Nfkbib	0.30881065	0.29309979	0.31777681	-0.024677	0.64124589	0.89054584
Agap3	0.14073468	0.12478098	0.1494692	-0.0246882	0.77921041	0.89054584
Hsf1	0.25511839	0.24070063	0.26539679	-0.0246962	0.66768581	0.89054584
Slc12a9	0.16086658	0.14557071	0.17026876	-0.024698	0.75041456	0.89054584
Atf2	0.5178792	0.48235691	0.50705647	-0.0246996	0.58976666	0.89054584
Smarcal1	0.11137315	0.09415029	0.1188548	-0.0247045	0.83357314	0.89411764
Rnf103	0.18949032	0.17481971	0.19956131	-0.0247416	0.71823807	0.89054584
Gatc	0.30382399	0.28822612	0.31297176	-0.0247456	0.64370026	0.89054584
Ap4m1	0.35942084	0.34107709	0.36582811	-0.024751	0.6236998	0.89054584
Rbm3	2.82641741	1.0837969	1.10855886	-0.024762	0.54144196	0.89054584
Daam1	0.58437543	0.53700301	0.56176545	-0.0247624	0.58135637	0.89054584
Lca5	0.1399222	0.12384676	0.14862645	-0.0247797	0.78134993	0.89054584
Zfp398	0.38028138	0.36042918	0.38524044	-0.0248113	0.61793325	0.89054584
Tbc1d20	0.26943538	0.25468468	0.27949991	-0.0248152	0.6604316	0.89054584
Zfp771	0.53739128	0.4985881	0.52340379	-0.0248157	0.58741109	0.89054584
Klc4	0.25692601	0.24235646	0.2671825	-0.024826	0.66745596	0.89054584
Tbc1d8	0.21162941	0.19715079	0.22198239	-0.0248316	0.69887335	0.89054584
Crls1	0.08916909	0.07051899	0.09535148	-0.0248325	0.88749873	0.9152899
Rangrf	0.27034991	0.25555395	0.28039747	-0.0248435	0.66011878	0.89054584
Tmem67	0.13273022	0.11630693	0.14115538	-0.0248485	0.79393247	0.89054584
Tnrc6a	0.8193782	0.70620513	0.73105919	-0.0248541	0.56292587	0.89054584
Letmd1	0.24252285	0.22805638	0.25291125	-0.0248549	0.6764727	0.89054584
Cept1	0.29816311	0.28264258	0.30750176	-0.0248592	0.64677942	0.89054584
Fryl	0.52666633	0.48958659	0.51444818	-0.0248616	0.58906922	0.89054584
Tmem161a	0.37040953	0.35122113	0.37608345	-0.0248623	0.6209572	0.89054584
Zfp704	0.30643538	0.29060566	0.31548962	-0.024884	0.6433657	0.89054584
Cacna1d	0.13142045	0.11489547	0.13979264	-0.0248972	0.79666294	0.89054584
Eif1a	0.99643406	0.80769939	0.83265819	-0.0249588	0.55553215	0.89054584
Ptpn2	0.37013586	0.35086965	0.37582883	-0.0249592	0.6214933	0.89054584
Med27	0.40182573	0.38006497	0.40503853	-0.0249736	0.6130424	0.89054584

Toe1	0.20459	0.18989963	0.21487569	-0.0249761	0.70592943	0.89054584
D17Wsu92e	0.3048712	0.28900364	0.31398188	-0.0249782	0.64454467	0.89054584
Rnf6	0.81966367	0.70625959	0.73124097	-0.0249814	0.56322993	0.89054584
Pi4k2a	0.12088564	0.10381553	0.12880848	-0.0249929	0.81699779	0.89054584
Nup50	0.49590079	0.4633523	0.48835786	-0.0250056	0.59427408	0.89054584
Htati2	0.17186298	0.15653798	0.1815617	-0.0250237	0.73960175	0.89054584
Ormdl1	0.28178036	0.2665535	0.29158146	-0.025028	0.65538534	0.89054584
Slc19a1	0.14214544	0.12586368	0.1509319	-0.0250682	0.78047594	0.89054584
Zfp26	0.14996527	0.13395463	0.15902546	-0.0250708	0.76867668	0.89054584
Gtf2h4	0.22765577	0.21299237	0.23808004	-0.0250877	0.68826403	0.89054584
Tmem115	0.4449628	0.41878652	0.44388956	-0.025103	0.60390756	0.89054584
lqce	0.18378337	0.16863837	0.19374781	-0.0251094	0.72700904	0.89054584
Hmgn5	0.50947653	0.4748338	0.49994375	-0.02511	0.5925067	0.89054584
Fastkd3	0.09324685	0.07457519	0.099704	-0.0251288	0.87984495	0.91133758
Ppp1r9a	0.4209988	0.3973058	0.42243831	-0.0251325	0.60917856	0.89054584
Agk	0.26808267	0.25303284	0.27817157	-0.0251387	0.6631351	0.89054584
Hectd3	0.12126433	0.10406323	0.12920404	-0.0251408	0.8176768	0.89054584
Ppp5c	0.80362997	0.69578968	0.72093968	-0.02515	0.56455468	0.89054584
Ints10	0.3459003	0.3279628	0.35312227	-0.0251595	0.63003387	0.89054584
1110004F10I	2.05957936	1.09608769	1.12130129	-0.0252136	0.54171729	0.89054584
Cox15	0.14697375	0.13071565	0.15593208	-0.0252164	0.77440026	0.89054584
Atp11a	0.13779311	0.12118856	0.14641683	-0.0252283	0.78894219	0.89054584
Tmc6	0.1348651	0.11814625	0.1433752	-0.0252289	0.79383728	0.89054584
Mbd6	0.24091294	0.22603327	0.25131006	-0.0252768	0.68032103	0.89054584
Atg16l1	0.19311901	0.17795509	0.20325055	-0.0252955	0.71898425	0.89054584
Mlh3	0.14685308	0.13046266	0.15580722	-0.0253446	0.77573018	0.89054584
Nfyc	0.53142479	0.49306776	0.51843075	-0.025363	0.59014875	0.89054584
Dhx9	0.58269311	0.5350176	0.56041663	-0.025399	0.5836153	0.89054584
Mrpl15	0.83611529	0.71621524	0.74161604	-0.0254008	0.5633907	0.89054584
Slc44a1	0.25369088	0.23857429	0.26398549	-0.0254112	0.67309262	0.89054584

Tusc2	0.36351199	0.34423952	0.36965346	-0.0254139	0.62563165	0.89054584
Rtn4rl1	0.16816843	0.15235265	0.17777303	-0.0254204	0.74735781	0.89054584
Lias	0.4517819	0.42450946	0.44993294	-0.0254235	0.60382246	0.89054584
Cul7	0.33782574	0.3200613	0.34548745	-0.0254262	0.63415368	0.89054584
Fam110a	0.27412866	0.25867152	0.2841018	-0.0254303	0.66167075	0.89054584
Casp2	0.27652228	0.2610053	0.28644468	-0.0254394	0.66047664	0.89054584
Mynn	0.31181946	0.29522153	0.32067031	-0.0254488	0.64421154	0.89054584
Tbl1x	0.76949662	0.6729382	0.69838951	-0.0254513	0.56741044	0.89054584
Rnf168	0.22258118	0.20753985	0.23299534	-0.0254555	0.69462537	0.89054584
Polr3c	0.29612981	0.28006617	0.30553308	-0.0254669	0.6511155	0.89054584
D11Wsu47e	0.09373715	0.07473512	0.10022727	-0.0254921	0.88198554	0.91223443
Abhd17c	0.12379795	0.10635198	0.13184908	-0.0254971	0.81619268	0.89054584
Mar-06	0.33184106	0.31427616	0.33980747	-0.0255313	0.63684865	0.89054584
Fam171a1	0.18118309	0.16555408	0.19109442	-0.0255403	0.73325303	0.89054584
Zc3h4	0.17720812	0.1614826	0.187033	-0.0255504	0.73775958	0.89054584
Sp3	0.57138565	0.52573834	0.55130227	-0.0255639	0.58551995	0.89054584
Tbc1d22a	0.1397404	0.12286924	0.14843784	-0.0255686	0.78887049	0.89054584
Zfp568	0.26360607	0.24819243	0.27376932	-0.0255769	0.66831364	0.89054584
Atg2b	0.14235501	0.12553834	0.15114912	-0.0256108	0.78506479	0.89054584
Ext2	0.58448288	0.53623786	0.56185154	-0.0256137	0.58409929	0.89054584
Gsk3a	0.19396134	0.17847418	0.20410614	-0.025632	0.72075199	0.89054584
Naa15	0.8021466	0.69433605	0.71997725	-0.0256412	0.56589126	0.89054584
Atm	0.18129405	0.16556338	0.19120771	-0.0256443	0.73396397	0.89054584
Atp13a3	0.21213418	0.19684443	0.22249115	-0.0256467	0.70437985	0.89054584
Ftsj1	0.17921845	0.16338225	0.18908778	-0.0257055	0.73675054	0.89054584
Nt5c	0.79987573	0.69278587	0.71850076	-0.0257149	0.56621342	0.89054584
Rhot2	0.10877541	0.09041342	0.11613073	-0.0257173	0.84890049	0.89883797
2610037D02	0.15812104	0.14171853	0.1674415	-0.025723	0.76291892	0.89054584
Arl5b	0.15389034	0.13735005	0.16307896	-0.0257289	0.76884225	0.89054584
Rae1	0.68619125	0.61412108	0.63985327	-0.0257322	0.57431195	0.89054584

Gm37494	0.17012072	0.15404351	0.17977576	-0.0257322	0.74756879	0.89054584
Srrd	0.07856264	0.05827986	0.08402546	-0.0257456	0.92328366	0.93974772
Zmynd19	0.14488096	0.12796524	0.15376592	-0.0258007	0.78281416	0.89054584
lppk	0.17501919	0.15898605	0.18479383	-0.0258078	0.74236521	0.89054584
Uqcc3	0.93780078	0.77558337	0.80139597	-0.0258126	0.55964231	0.89054584
Gm26853	0.18839666	0.17263379	0.19844831	-0.0258145	0.72775705	0.89054584
Dlg4	0.15613211	0.13955957	0.16539149	-0.0258319	0.76659026	0.89054584
Parp11	0.13101053	0.11353325	0.13936601	-0.0258328	0.80608989	0.89054584
Fance	0.22530254	0.20988008	0.23572356	-0.0258435	0.69524804	0.89054584
E130308A19	0.13659276	0.11931565	0.1451703	-0.0258547	0.79666043	0.89054584
Zkscan14	0.15210032	0.13536385	0.16123103	-0.0258672	0.7726069	0.89054584
Tmem9b	0.60232929	0.55016939	0.57604268	-0.0258733	0.582877	0.89054584
Cryz	0.15754565	0.14097475	0.1668486	-0.0258739	0.76500029	0.89054584
Avl9	0.49646664	0.46296594	0.48884309	-0.0258771	0.59740011	0.89054584
Mon2	0.12690371	0.10917717	0.13508819	-0.025911	0.8142382	0.89054584
Rpl26	5.079846	0.65963639	0.6855572	-0.0259208	0.56991347	0.89054584
Eaf1	0.18893762	0.1730764	0.19899889	-0.0259225	0.72803961	0.89054584
Gdap2	0.21335739	0.19778256	0.22372356	-0.025941	0.70547374	0.89054584
Hyal1	0.13098659	0.11339233	0.13934109	-0.0259488	0.80719604	0.89054584
Phf13	0.23913884	0.22359	0.24954419	-0.0259542	0.68600567	0.89054584
Ube2q2	0.26300626	0.24722254	0.27317874	-0.0259562	0.67099826	0.89054584
Ppp1cc	1.01176759	0.81461577	0.84059256	-0.0259768	0.55723989	0.89054584
Abcf3	0.52137348	0.48402411	0.5100013	-0.0259772	0.59379017	0.89054584
Srrm3	0.12005289	0.10192986	0.12793846	-0.0260086	0.82821016	0.89229532
Dennd1b	0.1259991	0.10813161	0.13414508	-0.0260135	0.81686007	0.89054584
Prune	0.1780359	0.16183669	0.18787925	-0.0260426	0.74079273	0.89054584
Gtf2ird1	0.21420333	0.19852401	0.22457548	-0.0260515	0.70555735	0.89054584
Brd1	0.19556515	0.17966936	0.20573433	-0.026065	0.72248926	0.89054584
1700008J07F	0.11435921	0.09589218	0.12198297	-0.0260908	0.84049523	0.89579504
Mcm3ap	0.10354919	0.08451737	0.11064289	-0.0261255	0.86435386	0.90329433

Ppp4c	1.18851957	0.89939662	0.92552354	-0.0261269	0.55231757	0.89054584
Slc25a38	0.25538223	0.2395284	0.26565753	-0.0261291	0.67660886	0.89054584
Usp20	0.1956605	0.17967657	0.20583111	-0.0261545	0.72307544	0.89054584
Tox4	0.60607943	0.55280888	0.57899828	-0.0261894	0.58345276	0.89054584
Odf2l	0.2083346	0.19246253	0.21865877	-0.0261962	0.71163265	0.89054584
Tnrc6b	0.77799715	0.67787431	0.70408402	-0.0262097	0.56884339	0.89054584
Dld	0.77291355	0.6744647	0.70068481	-0.0262201	0.5692012	0.89054584
Slc43a2	0.25234679	0.23640645	0.26265579	-0.0262493	0.67925128	0.89054584
Zbtb38	0.22957023	0.21373754	0.23999529	-0.0262578	0.69488044	0.89054584
Pura	0.73595396	0.64914887	0.67541264	-0.0262638	0.5718811	0.89054584
Nufip1	0.25886839	0.24283424	0.26909987	-0.0262656	0.67535127	0.89054584
Nme7	0.14202553	0.12452783	0.15080761	-0.0262798	0.79156646	0.89054584
Casd1	0.25661806	0.24058405	0.26687839	-0.0262943	0.67689184	0.89054584
Jade1	0.45534151	0.42677886	0.45307654	-0.0262977	0.60658003	0.89054584
Scamp5	0.1085698	0.08960577	0.11591502	-0.0263092	0.85484468	0.90074724
Axin1	0.14243937	0.12492502	0.15123655	-0.0263115	0.79118619	0.89054584
Vkorc1l1	0.18561807	0.16928677	0.19561826	-0.0263315	0.73471095	0.89054584
Ankrd27	0.20537094	0.1893217	0.21566512	-0.0263434	0.71535181	0.89054584
Yaf2	0.76960206	0.67209734	0.69846046	-0.0263631	0.56979409	0.89054584
Naa60	0.17825052	0.16168776	0.18809861	-0.0264109	0.74349572	0.89054584
Kbtbd2	0.38199426	0.36040741	0.38682376	-0.0264163	0.62481855	0.89054584
Gpc4	0.46419893	0.43441595	0.46086553	-0.0264496	0.60541239	0.89054584
Fhad1	0.16153604	0.14449857	0.17095768	-0.0264591	0.76456495	0.89054584
1110004E09I	0.49996617	0.46534701	0.49183951	-0.0264925	0.59907353	0.89054584
Snx11	0.10857676	0.08942146	0.11592232	-0.0265009	0.85657897	0.9009252
Exoc7	0.72470661	0.64102588	0.66752868	-0.0265028	0.573375	0.89054584
Rab11a	1.77279881	1.06724921	1.09377058	-0.0265214	0.5449722	0.89054584
Slc25a4	3.08133139	1.06091346	1.08743548	-0.026522	0.54523417	0.89054584
Dtwd1	0.1724057	0.15558251	0.18211777	-0.0265353	0.75137581	0.89054584
Stam	0.19072427	0.17427027	0.20081648	-0.0265462	0.73101047	0.89054584

Tspan15	0.43184214	0.40563567	0.43218622	-0.0265505	0.61264261	0.89054584
Srp19	1.38957447	0.9755285	1.00215665	-0.0266281	0.54926001	0.89054584
2700049A03	0.3823701	0.36050587	0.38717095	-0.0266651	0.62584506	0.89054584
Gm5914	0.16722801	0.15008199	0.17680776	-0.0267258	0.75935603	0.89054584
Narfl	0.13575397	0.11757192	0.14429891	-0.026727	0.80591133	0.89054584
Wdfy1	0.42174752	0.39638273	0.4231136	-0.0267309	0.6157494	0.89054584
Rnf41	0.28828326	0.27118281	0.2979165	-0.0267337	0.66205292	0.89054584
Tbcd	0.15534464	0.13782853	0.16457939	-0.0267509	0.7755553	0.89054584
Prpf39	0.38870849	0.36625093	0.39301431	-0.0267634	0.62447809	0.89054584
Xpc	0.18921339	0.17251205	0.19927954	-0.0267675	0.73427532	0.89054584
Ubac1	0.29180887	0.2745705	0.30134258	-0.0267721	0.660531	0.89054584
Mapk1	1.02104114	0.81854234	0.84531736	-0.026775	0.55865882	0.89054584
Camk2n2	0.13814902	0.11990542	0.14678633	-0.0268809	0.80322292	0.89054584
Fkbp5	0.33683854	0.31766541	0.34455164	-0.0268862	0.64190254	0.89054584
Acads	0.60625294	0.55223675	0.57913481	-0.0268981	0.58565641	0.89054584
Arid4b	1.35100472	0.96209345	0.98905206	-0.0269586	0.55052538	0.89054584
Tubgcp2	0.25811512	0.24139113	0.26835647	-0.0269653	0.68015981	0.89054584
Ap1ar	0.34873513	0.32882386	0.35579445	-0.0269706	0.63801787	0.89054584
Ccdc107	0.50465118	0.46886428	0.49583896	-0.0269747	0.60004215	0.89054584
Cisd3	0.4530351	0.42405574	0.45104055	-0.0269848	0.60977576	0.89054584
Coa7	0.32619989	0.30745032	0.33443661	-0.0269863	0.64651862	0.89054584
Atxn7l1	0.23403499	0.21743026	0.24445591	-0.0270257	0.69674656	0.89054584
Ints8	0.20346069	0.18667654	0.21373374	-0.0270572	0.72233413	0.89054584
Clip3	0.30474199	0.28679617	0.31385727	-0.0270611	0.65604717	0.89054584
Timm8b	1.74032815	1.06152309	1.08858593	-0.0270628	0.54610391	0.89054584
Tmem222	0.57035136	0.52339001	0.55046458	-0.0270746	0.59062371	0.89054584
Hmbox1	0.23466667	0.21798806	0.24508631	-0.0270983	0.69676588	0.89054584
Ube3b	0.16738761	0.14987274	0.17697161	-0.0270989	0.76220173	0.89054584
Cep162	0.32507382	0.30624689	0.33336249	-0.0271156	0.64764005	0.89054584
Klc1	0.51626512	0.47855061	0.50569366	-0.0271431	0.59873268	0.89054584

Polr2i	1.15433644	0.88325905	0.91040502	-0.027146	0.55524245	0.89054584
Lsm6	1.5689612	1.02630355	1.05345015	-0.0271466	0.54778113	0.89054584
2700097009	0.25060575	0.23378215	0.26093212	-0.02715	0.68607764	0.89054584
Ern1	0.12830624	0.10938595	0.13654984	-0.0271639	0.82298592	0.89075401
Sf3a1	0.51818953	0.48009401	0.50731831	-0.0272243	0.59871152	0.89054584
Trit1	0.1923321	0.17521383	0.20245099	-0.0272372	0.73460489	0.89054584
2900076A07	0.22525605	0.20843267	0.23567699	-0.0272443	0.70490983	0.89054584
Aak1	0.37298451	0.35122088	0.37847718	-0.0272563	0.63138239	0.89054584
Snapc3	0.36679763	0.34544229	0.37271964	-0.0272774	0.63343427	0.89054584
E2f4	0.3961174	0.37252976	0.39981785	-0.0272881	0.62474951	0.89054584
Herc2	0.52936023	0.48941503	0.51670462	-0.0272896	0.59718228	0.89054584
Lnp	0.27588345	0.2584754	0.28581966	-0.0273443	0.67209992	0.89054584
Myef2	0.852017	0.72410584	0.75145761	-0.0273518	0.5673288	0.89054584
Hdgfrp2	0.43512282	0.40776609	0.43512185	-0.0273558	0.61520218	0.89054584
Eif2ak2	0.19563462	0.17844895	0.20580484	-0.0273559	0.73213189	0.89054584
Med11	0.13707222	0.11830357	0.14566828	-0.0273647	0.80927062	0.89054584
Gan	0.12655812	0.10733867	0.13472792	-0.0273893	0.82821383	0.89229532
Wnk4	0.13210004	0.11307371	0.14049979	-0.0274261	0.81844173	0.89054584
Coq5	0.3955794	0.37189791	0.39932485	-0.0274269	0.62551257	0.89054584
Mms19	0.21074027	0.19364346	0.22108595	-0.0274425	0.71846761	0.89054584
Pttg1ip	0.75549324	0.66144971	0.68889497	-0.0274453	0.57362472	0.89054584
Ccdc6	0.18682523	0.16934268	0.19684818	-0.0275055	0.74247405	0.89054584
Tomm34	0.38746667	0.3643626	0.39187124	-0.0275086	0.62818463	0.89054584
Stk11	0.9747716	0.79384558	0.82135456	-0.027509	0.56199856	0.89054584
Gpatch11	0.5191419	0.48059276	0.50812145	-0.0275287	0.59963761	0.89054584
Unc119b	0.19111265	0.17367888	0.20121141	-0.0275325	0.73810066	0.89054584
Scaf1	0.35409227	0.33328649	0.36083242	-0.0275459	0.63895366	0.89054584
Cdk5	0.46431967	0.43340769	0.46097138	-0.0275637	0.6097166	0.89054584
Smarcc2	0.51869795	0.48013178	0.50774713	-0.0276154	0.60001677	0.89054584
Nme6	0.17791879	0.16009331	0.18775954	-0.0276662	0.75379846	0.89054584

Evi5	0.4761511	0.44360567	0.47130252	-0.0276969	0.60787707	0.89054584
Tsen15	0.60402707	0.5496629	0.57738193	-0.027719	0.58849182	0.89054584
Fggy	0.12463703	0.10499676	0.13272454	-0.0277278	0.83480036	0.89453395
Smap1	0.67598376	0.60460729	0.63234436	-0.0277371	0.58096361	0.89054584
Anapc1	0.27801804	0.26016801	0.28790731	-0.0277393	0.67324084	0.89054584
Ggct	0.29314643	0.27489644	0.30264076	-0.0277443	0.66534828	0.89054584
Cpsf4	0.21089838	0.19348654	0.22124537	-0.0277588	0.72057146	0.89054584
Pex11b	0.39416517	0.3702638	0.39802815	-0.0277643	0.62740311	0.89054584
Avpi1	0.22436604	0.20699127	0.23478508	-0.0277938	0.70936293	0.89054584
Leo1	0.55041655	0.50635916	0.53418108	-0.0278219	0.59586294	0.89054584
Ctnnbip1	0.94920588	0.77982503	0.80764798	-0.027823	0.56375541	0.89054584
Elac2	0.16560571	0.14731292	0.17514175	-0.0278288	0.77043314	0.89054584
Trpc4ap	0.69770693	0.62039284	0.64823723	-0.0278444	0.57930673	0.89054584
Tsyp1	0.73227282	0.64494407	0.6728419	-0.0278978	0.57658794	0.89054584
Cacfd1	0.55077914	0.50657027	0.53447958	-0.0279093	0.59610552	0.89054584
Tsg101	1.51324971	1.01124803	1.03916315	-0.0279151	0.54979899	0.89054584
Gtf2e1	0.18690652	0.16900194	0.19693098	-0.027929	0.74560975	0.89054584
Recql	0.1100375	0.0894964	0.11745451	-0.0279581	0.86628148	0.90430169
Ofd1	0.21956521	0.20199518	0.22996786	-0.0279727	0.71454136	0.89054584
Fam65a	0.2017642	0.18402875	0.21201722	-0.0279885	0.73073207	0.89054584
Rnh1	1.1176199	0.865566	0.89356127	-0.0279953	0.55802533	0.89054584
Eef2kmt	0.34758768	0.32671222	0.35471335	-0.0280011	0.64348047	0.89054584
Sfxn2	0.4887748	0.45422721	0.48223167	-0.0280045	0.6066341	0.89054584
Sdsl	0.22974397	0.2121562	0.24016901	-0.0280128	0.70657597	0.89054584
Ercc6l2	0.20963752	0.19195876	0.21997365	-0.0280149	0.72352407	0.89054584
Katnal1	0.21000848	0.19231507	0.22034788	-0.0280328	0.72331363	0.89054584
Lancl1	0.39172531	0.36769873	0.39578838	-0.0280897	0.62954614	0.89054584
Papss1	1.05257818	0.83346083	0.86155951	-0.0280987	0.56038504	0.89054584
Zbtb37	0.14552639	0.12631074	0.15443416	-0.0281234	0.80189851	0.89054584
Hif1an	0.20337406	0.18546963	0.21364612	-0.0281765	0.7305375	0.89054584

BC051226	0.11324027	0.09256985	0.12081117	-0.0282413	0.86194362	0.90253338
Mgme1	0.1381996	0.11858453	0.14683884	-0.0282543	0.81499645	0.89054584
Rmnd5b	0.31530087	0.29575734	0.32401284	-0.0282555	0.65773245	0.89054584
Pibf1	0.21110441	0.19319407	0.22145311	-0.028259	0.72391618	0.89054584
Smim7	1.15534824	0.88255106	0.91085703	-0.028306	0.55755857	0.89054584
Rpl7	4.55494325	0.79755356	0.82586993	-0.0283164	0.56345698	0.89054584
Ddx19a	0.40962524	0.38382492	0.4121416	-0.0283167	0.62555302	0.89054584
Smc3	1.4123486	0.98127482	1.00959203	-0.0283172	0.5519837	0.89054584
Fchsd2	0.19249235	0.17426081	0.20261384	-0.028353	0.74278487	0.89054584
Bcl7c	0.56139506	0.51482072	0.54318106	-0.0283603	0.59609439	0.89054584
Phf20	0.50298055	0.46603761	0.49441438	-0.0283768	0.60541886	0.89054584
Myo1e	0.2058216	0.18774103	0.21612059	-0.0283796	0.72965898	0.89054584
Ammecr1l	0.47079099	0.43823135	0.46663224	-0.0284009	0.61162606	0.89054584
Pex16	0.24821031	0.23013851	0.25855825	-0.0284197	0.69570707	0.89054584
Mcfcd2	0.64182272	0.57824094	0.60669143	-0.0284505	0.58647193	0.89054584
Naa35	0.71089388	0.62926341	0.65772344	-0.02846	0.57988323	0.89054584
Tcp11l1	0.21758886	0.19951757	0.22798176	-0.0284642	0.71960969	0.89054584
Slf1	0.2549988	0.2368042	0.26527859	-0.0284744	0.69149062	0.89054584
Rhpn2	0.16707013	0.14815306	0.17664568	-0.0284926	0.77381763	0.89054584
Tbc1d23	0.14942206	0.12994039	0.15846401	-0.0285236	0.79915653	0.89054584
Ago1	0.21883114	0.20068483	0.22923037	-0.0285455	0.71909909	0.89054584
Rnf219	0.21560128	0.19743141	0.22598262	-0.0285512	0.72194267	0.89054584
Ccdc136	0.11654592	0.09571592	0.12427167	-0.0285558	0.85781505	0.90120308
Dpp9	0.37774898	0.35433267	0.38289658	-0.0285639	0.63591274	0.89054584
Apitd1	0.17947723	0.16078676	0.18935218	-0.0285654	0.75892278	0.89054584
Smim19	0.3493977	0.32784884	0.35641838	-0.0285695	0.64559253	0.89054584
Slc29a4	0.22533333	0.20717572	0.23575441	-0.0285787	0.71388405	0.89054584
Naa25	0.23179397	0.2136387	0.24221797	-0.0285793	0.70874014	0.89054584
Scyl2	0.20572561	0.18744406	0.21602358	-0.0285795	0.73117458	0.89054584
Plagl2	0.17341975	0.15456936	0.18315644	-0.0285871	0.7664385	0.89054584

Zfyve27	0.27147322	0.25290549	0.28149938	-0.0285939	0.68197963	0.89054584
Zfyve16	0.17327329	0.15439597	0.18300645	-0.0286105	0.76680329	0.89054584
Chpf	0.58352072	0.53246558	0.56108041	-0.0286148	0.59390579	0.89054584
Sgpp1	0.1857985	0.16715774	0.19580214	-0.0286444	0.75224406	0.89054584
Tgfbrap1	0.09581291	0.07379672	0.10244239	-0.0286457	0.90367274	0.92583191
Gadd45gip1	1.18213629	0.89400843	0.92273884	-0.0287304	0.55766861	0.89054584
Usp53	0.25600841	0.2375318	0.26627621	-0.0287444	0.69249356	0.89054584
Nsmf	0.32882924	0.30819519	0.33694205	-0.0287469	0.65449561	0.89054584
Elp3	0.3776035	0.3540142	0.38276182	-0.0287476	0.63679815	0.89054584
Eif2b5	0.45214934	0.42150434	0.45025779	-0.0287535	0.61696519	0.89054584
Cep164	0.32086606	0.30055024	0.32934305	-0.0287928	0.65810909	0.89054584
Ankrd40	0.26748379	0.24878952	0.27758319	-0.0287937	0.68554848	0.89054584
Tbrg1	1.65299226	1.04349827	1.0722947	-0.0287964	0.54978402	0.89054584
Tsta3	0.45544046	0.42436079	0.45316381	-0.028803	0.61643139	0.89054584
O610007P14I	0.82226697	0.70407708	0.73289593	-0.0288188	0.5726788	0.89054584
Cd276	0.13819461	0.11798762	0.14683365	-0.028846	0.81997418	0.89054584
Prdx3	1.0272688	0.81963937	0.84851042	-0.028871	0.5629777	0.89054584
Snx2	1.13819575	0.87422273	0.90310291	-0.0288802	0.55921826	0.89054584
Tnpo2	0.26310442	0.24439115	0.27327539	-0.0288842	0.68879357	0.89054584
Parva	0.47205648	0.43882709	0.46773645	-0.0289094	0.61330935	0.89054584
Tmem106b	0.46130194	0.42938498	0.45832323	-0.0289383	0.61568322	0.89054584
Acap3	0.12158441	0.10059321	0.12953833	-0.0289451	0.85106976	0.89958153
Blmh	1.07692845	0.84487746	0.87385781	-0.0289803	0.56139527	0.89054584
Kdm1a	0.81165452	0.69711963	0.7261183	-0.0289987	0.57380196	0.89054584
Ppwd1	0.15471718	0.13490523	0.16393213	-0.0290269	0.7952979	0.89054584
Senp6	0.94807733	0.77800104	0.80703254	-0.0290315	0.56654975	0.89054584
Larp1	0.59047215	0.5376045	0.56663777	-0.0290333	0.59433625	0.89054584
Amn1	0.52122434	0.48081541	0.50987574	-0.0290603	0.60470171	0.89054584
Trmt10c	0.4236578	0.39576668	0.42483506	-0.0290684	0.62505239	0.89054584
Fbxo17	0.10448876	0.08255662	0.11163023	-0.0290736	0.88751176	0.9152899

Mesdc1	0.62597128	0.56543262	0.59451603	-0.0290834	0.59014304	0.89054584
Slc25a44	0.31909992	0.29850823	0.32765322	-0.029145	0.66071532	0.89054584
Glmn	0.32182306	0.30111118	0.33025804	-0.0291462	0.65952427	0.89054584
E430025E21l	0.17000642	0.15048738	0.17965855	-0.0291712	0.77531705	0.89054584
Abhd14a	0.4487047	0.41801598	0.44720925	-0.0291933	0.61948554	0.89054584
Rab18	1.27301303	0.93107991	0.96029241	-0.0292125	0.55635216	0.89054584
Mcat	0.18351232	0.16425733	0.19347136	-0.029214	0.75912682	0.89054584
Wars	0.54109763	0.49726062	0.52648142	-0.0292208	0.60202067	0.89054584
Parp4	0.11368196	0.09204423	0.12127378	-0.0292295	0.86926072	0.90542007
Ints1	0.11321088	0.09152104	0.12078039	-0.0292593	0.87047511	0.90594699
Dpf2	0.67996941	0.6060196	0.63528457	-0.029265	0.58496757	0.89054584
Rc3h2	0.57215253	0.52265628	0.55192293	-0.0292666	0.59756455	0.89054584
Tmem63b	0.43846129	0.40883057	0.43810264	-0.0292721	0.62220982	0.89054584
Rcn2	1.50038515	1.00639515	1.03567133	-0.0292762	0.55238848	0.89054584
Timm44	0.48138773	0.44656846	0.47584817	-0.0292797	0.61281832	0.89054584
Trove2	0.33107247	0.30979151	0.33907669	-0.0292852	0.65629809	0.89054584
Ubr4	0.47283616	0.43911398	0.46841628	-0.0293023	0.61464459	0.89054584
Dmtf1	0.39094556	0.36571585	0.39507186	-0.029356	0.63539813	0.89054584
Cnot3	0.68695564	0.61105362	0.64041268	-0.0293591	0.58456442	0.89054584
Pex6	0.35178216	0.32927737	0.35866184	-0.0293845	0.64865729	0.89054584
Gfer	0.52902328	0.48701985	0.51642263	-0.0294028	0.60459508	0.89054584
Pigq	0.24817183	0.22910784	0.25852009	-0.0294122	0.70196319	0.89054584
1300002E11l	0.41505226	0.3876197	0.41706336	-0.0294437	0.62888808	0.89054584
Kcnma1	0.17153771	0.15177806	0.18122836	-0.0294503	0.77550377	0.89054584
Nup153	0.18507477	0.1656129	0.19506453	-0.0294516	0.75910474	0.89054584
Atp6v0a2	0.31759129	0.29672637	0.32620849	-0.0294821	0.66314675	0.89054584
Zfp609	0.15656402	0.13630258	0.16583679	-0.0295342	0.79665151	0.89054584
Pwwp2a	0.27671522	0.25709164	0.28663341	-0.0295418	0.68444748	0.89054584
Alg11	0.22407672	0.20494349	0.23449507	-0.0295516	0.72144175	0.89054584
Flywch1	0.24967997	0.23045741	0.26001499	-0.0295576	0.70180952	0.89054584

Ankib1	0.16362177	0.14354105	0.17310287	-0.0295618	0.78687807	0.89054584
Lrrc14	0.2001833	0.18084972	0.21041652	-0.0295668	0.7436547	0.89054584
6030458C11l	0.18891786	0.16940744	0.19897879	-0.0295714	0.75565421	0.89054584
Cdcp1	0.11317585	0.09116795	0.12074369	-0.0295757	0.87310478	0.90740309
Mrpl22	0.63224362	0.56977348	0.59935422	-0.0295807	0.59093043	0.89054584
Fuz	0.22461144	0.20544457	0.23503104	-0.0295865	0.72122438	0.89054584
Med6	0.5186635	0.47812812	0.50771808	-0.02959	0.60700616	0.89054584
Zfhx2	0.33592488	0.31405277	0.34368515	-0.0296324	0.65604459	0.89054584
Gde1	0.87120275	0.73344885	0.76308603	-0.0296372	0.57179528	0.89054584
Ech1	1.15683927	0.88188192	0.9115219	-0.02964	0.56020733	0.89054584
Rexo4	0.3455191	0.32309289	0.35276261	-0.0296697	0.65241488	0.89054584
Zkscan1	0.47648678	0.44191851	0.47159442	-0.0296759	0.61530469	0.89054584
Tsnax	0.69471765	0.61638019	0.6460699	-0.0296897	0.58476489	0.89054584
Pofut1	0.22150044	0.20220997	0.23191094	-0.029701	0.7246373	0.89054584
Ntmt1	0.67114972	0.59905283	0.62876336	-0.0297105	0.58712122	0.89054584
Hspa13	0.38441129	0.35933605	0.38905518	-0.0297191	0.63903738	0.89054584
Ptpn23	0.12623974	0.10466776	0.13439597	-0.0297282	0.84862439	0.89883797
Dnajc1	0.76896422	0.66829992	0.69803111	-0.0297312	0.57864878	0.89054584
Plekha2	0.21689072	0.19754128	0.22727976	-0.0297385	0.72893671	0.89054584
Ppfia1	0.29144431	0.27124954	0.30098859	-0.0297391	0.67735845	0.89054584
Rbm17	0.99004881	0.79960783	0.8293617	-0.0297539	0.566371	0.89054584
Polr3f	0.29252064	0.2722626	0.3020335	-0.0297709	0.67696318	0.89054584
Prdx5	2.03879291	1.09038745	1.12015843	-0.029771	0.54927224	0.89054584
Txlna	0.68607555	0.60996372	0.63976856	-0.0298048	0.58591362	0.89054584
Tmem181a	0.2909821	0.27073253	0.3005397	-0.0298072	0.67798382	0.89054584
Ccdc51	0.08740861	0.06365949	0.09347203	-0.0298125	0.93135403	0.94537357
Dhx40	0.42574918	0.39689236	0.42671727	-0.0298249	0.62764832	0.89054584
Map4k3	0.15216054	0.13145425	0.16129322	-0.029839	0.80562765	0.89054584
Psmc13	1.27519759	0.93128483	0.96113899	-0.0298542	0.55753106	0.89054584
Lig3	0.13965346	0.11847124	0.14834764	-0.0298764	0.82595111	0.89170439

1700017B05	0.10634386	0.08370009	0.1135787	-0.0298786	0.88982646	0.9168209
Cers6	0.2871433	0.26692686	0.29680739	-0.0298805	0.680476	0.89054584
Rce1	0.40228898	0.37555807	0.40546138	-0.0299033	0.6344276	0.89054584
Elmod2	0.12456228	0.102734	0.13264656	-0.0299126	0.85328294	0.90008483
Snx17	1.21066633	0.90510963	0.93503692	-0.0299273	0.55926917	0.89054584
Rnaseh1	0.21476093	0.1951781	0.22513684	-0.0299587	0.73235822	0.89054584
Zfp157	0.34225085	0.31971122	0.34967587	-0.0299646	0.65514067	0.89054584
Fam188a	0.34156066	0.31905516	0.34902328	-0.0299681	0.65543271	0.89054584
Slc35g1	0.12692223	0.10513311	0.1351075	-0.0299744	0.84934151	0.89883846
Ranbp10	0.11092666	0.08839963	0.11838677	-0.0299871	0.88101994	0.91182315
Poglut1	0.29399414	0.27346878	0.30346304	-0.0299943	0.67741749	0.89054584
N4bp2	0.4083588	0.38095295	0.41099062	-0.0300377	0.63326132	0.89054584
Bak1	0.42094711	0.39231539	0.42239167	-0.0300763	0.62995668	0.89054584
Cr1l	0.71919941	0.6335575	0.66363561	-0.0300781	0.5836181	0.89054584
Exoc8	0.18074481	0.16056214	0.19064691	-0.0300848	0.76889049	0.89054584
Cuedc2	1.01405353	0.81165795	0.8417629	-0.030105	0.56616672	0.89054584
Pbx2	0.31340034	0.29207907	0.3221889	-0.0301098	0.66836266	0.89054584
Jmy	0.23153195	0.21181695	0.24195615	-0.0301392	0.7191572	0.89054584
Fam50a	0.61075777	0.55251773	0.58267209	-0.0301544	0.5952646	0.89054584
Psm1	1.03048028	0.82003275	0.85018925	-0.0301565	0.56562805	0.89054584
Mroh1	0.13442456	0.11275435	0.14291728	-0.0301629	0.83726449	0.8948515
Yif1a	0.94717004	0.7763627	0.80653709	-0.0301744	0.56918578	0.89054584
Cenpc1	0.31249438	0.29113269	0.32131879	-0.0301861	0.66919137	0.89054584
Wipf2	0.20022037	0.18026146	0.21045407	-0.0301926	0.74805798	0.89054584
Repin1	0.16814715	0.14755473	0.1777512	-0.0301965	0.7856632	0.89054584
Ydjc	0.1683103	0.1476977	0.17791862	-0.0302209	0.78563274	0.89054584
Mov10	0.30378269	0.28269113	0.31293191	-0.0302408	0.67372618	0.89054584
Hibch	0.24530781	0.22542069	0.25567828	-0.0302576	0.70930329	0.89054584
Timmdc1	0.34568244	0.32265334	0.35291673	-0.0302634	0.65524293	0.89054584
Rlf	0.28754609	0.26691817	0.29719936	-0.0302812	0.68249686	0.89054584

Scrn3	0.1725647	0.15195709	0.18228065	-0.0303236	0.78084342	0.89054584
Hbs1l	0.49300698	0.45553019	0.48587361	-0.0303434	0.61445781	0.89054584
Ror2	0.16844799	0.14771095	0.17805991	-0.030349	0.78642594	0.89054584
Armcx4	0.2004911	0.18034249	0.21072826	-0.0303858	0.74914186	0.89054584
Rrn3	0.2251562	0.20518947	0.23557694	-0.0303875	0.72606825	0.89054584
Pdxdc1	0.45115636	0.41898804	0.44937972	-0.0303917	0.62365165	0.89054584
Ncoa5	0.28058066	0.26000554	0.29041063	-0.0304051	0.68714595	0.89054584
Rtca	0.39478962	0.36818333	0.39860085	-0.0304175	0.63890264	0.89054584
Cdc42bpb	0.24385166	0.2238072	0.25423196	-0.0304248	0.71142428	0.89054584
2410004B18	0.6851032	0.60855619	0.63905628	-0.0305001	0.58798172	0.89054584
Dusp18	0.4191776	0.39026372	0.42079435	-0.0305306	0.6323291	0.89054584
Bcl7a	0.34707938	0.32368813	0.35423422	-0.0305461	0.6560648	0.89054584
Pde1c	0.3250032	0.30274855	0.33329511	-0.0305466	0.66530775	0.89054584
Cep95	0.15532518	0.13401042	0.16455932	-0.0305489	0.80645005	0.89054584
Tmem64	0.18258506	0.16197005	0.19252538	-0.0305553	0.77017142	0.89054584
Kansl2	0.6646515	0.59335521	0.62392379	-0.0305686	0.59027816	0.89054584
Trim41	0.21130531	0.19107669	0.22165567	-0.030579	0.73980168	0.89054584
Abhd13	0.27816329	0.25746579	0.28804929	-0.0305835	0.68958024	0.89054584
Rfx3	0.33858548	0.3156066	0.34620729	-0.0306007	0.65975555	0.89054584
Golga4	0.89760869	0.74804751	0.77865419	-0.0306067	0.57265187	0.89054584
Ice1	0.22118248	0.20097237	0.23159181	-0.0306194	0.73104365	0.89054584
Crebzf	0.22831741	0.20808638	0.23874214	-0.0306558	0.72515772	0.89054584
Zfp949	0.20982986	0.18951105	0.22016769	-0.0306566	0.74174077	0.89054584
Map7	0.31630316	0.29428902	0.32497399	-0.030685	0.66999899	0.89054584
Zdhhc2	0.34519808	0.32176342	0.35245967	-0.0306963	0.65753845	0.89054584
Zfp518a	0.14632965	0.12454714	0.15526558	-0.0307184	0.82166944	0.89054584
Pcsk7	0.11132548	0.08808011	0.11880483	-0.0307247	0.88587373	0.91431604
Vamp4	0.51051085	0.47009558	0.50082171	-0.0307261	0.61249688	0.89054584
Pigv	0.18964091	0.16897884	0.19971452	-0.0307357	0.76331363	0.89054584
D930016D06	0.1739231	0.15292856	0.18367184	-0.0307433	0.78225188	0.89054584

Mef2d	0.21264234	0.19219593	0.22300322	-0.0308073	0.74008905	0.89054584
Srgap2	0.18090805	0.16000617	0.1908136	-0.0308074	0.77403464	0.89054584
Tmed8	0.31441973	0.2923421	0.32316744	-0.0308253	0.67162086	0.89054584
Ppp1r9b	0.20051979	0.17991697	0.21075732	-0.0308403	0.75230084	0.89054584
Zcchc14	0.24985918	0.22935158	0.26019256	-0.030841	0.70960482	0.89054584
Cluh	0.12636077	0.10367873	0.13452217	-0.0308434	0.85728681	0.9009252
Cars2	0.1585739	0.13705896	0.16790805	-0.0308491	0.80399249	0.89054584
Mbd5	0.15595194	0.13433317	0.1652057	-0.0308725	0.80802231	0.89054584
Hadhb	1.03413144	0.82121223	0.85208937	-0.0308771	0.56703321	0.89054584
Nup214	0.19369551	0.17294939	0.20383615	-0.0308868	0.75989263	0.89054584
Ece2	0.29151517	0.2701575	0.3010574	-0.0308999	0.68374039	0.89054584
Ivns1abp	0.68260582	0.60630605	0.63722381	-0.0309178	0.58941849	0.89054584
Pank2	0.24664335	0.22607067	0.25700394	-0.0309333	0.71251773	0.89054584
Numa1	0.42549432	0.39555351	0.42648804	-0.0309345	0.63229116	0.89054584
Gabbr1	0.191064	0.17017773	0.20116194	-0.0309842	0.76349772	0.89054584
Socs4	0.29827629	0.27662144	0.30761129	-0.0309898	0.68059316	0.89054584
Glt8d1	0.45748228	0.42396784	0.45496343	-0.0309956	0.62453096	0.89054584
Akap8l	0.61831517	0.55757644	0.58857535	-0.0309989	0.59691725	0.89054584
Cpsf3	0.49422467	0.45591718	0.4869194	-0.0310022	0.61662756	0.89054584
Fam98b	0.30398636	0.28211908	0.31312841	-0.0310093	0.67773637	0.89054584
Tsr1	0.22633774	0.20574542	0.23676051	-0.0310151	0.72917199	0.89054584
Mrps18b	0.49598426	0.45740688	0.48842946	-0.0310226	0.61635151	0.89054584
Rhno1	0.40581468	0.37764252	0.40867565	-0.0310331	0.63824835	0.89054584
Tom1l1	0.25178503	0.23104827	0.26209979	-0.0310515	0.70951032	0.89054584
Grpel2	0.35969805	0.33500131	0.36608758	-0.0310863	0.65380483	0.89054584
Psme1	1.36707698	0.96347722	0.99456469	-0.0310875	0.55789175	0.89054584
C1d	1.41806615	0.98031834	1.01140945	-0.0310911	0.55694085	0.89054584
Zfp938	0.27112542	0.2500472	0.28115827	-0.0311111	0.69690758	0.89054584
Helz	0.56903122	0.51820452	0.54939432	-0.0311898	0.60430032	0.89054584
Zfp787	0.54085173	0.49508532	0.52627751	-0.0311922	0.60877704	0.89054584

Serhl	0.25563079	0.2347055	0.26590313	-0.0311976	0.70768007	0.89054584
Psmg2	0.53901526	0.49355522	0.52475338	-0.0311982	0.60910537	0.89054584
Arhgef10	0.14806974	0.12583731	0.1570658	-0.0312285	0.82285767	0.89075401
Extl2	0.17416443	0.15268225	0.18391892	-0.0312367	0.78560722	0.89054584
Metap2	2.00557349	1.08691363	1.11815361	-0.03124	0.55178234	0.89054584
Mrps7	0.8393628	0.71239133	0.74364079	-0.0312495	0.5776085	0.89054584
Camk2g	0.25815013	0.23713804	0.26839102	-0.031253	0.70626769	0.89054584
Otub1	0.69788525	0.61710952	0.64836632	-0.0312568	0.58885508	0.89054584
Smyd3	0.23841718	0.21754095	0.24882546	-0.0312845	0.72098251	0.89054584
Cd3eap	0.30235761	0.28027102	0.31155639	-0.0312854	0.68004836	0.89054584
Card19	0.64234991	0.57580324	0.60709339	-0.0312902	0.59488376	0.89054584
Coro1b	0.51346055	0.47202882	0.50332175	-0.0312929	0.61396162	0.89054584
Hax1	0.86318482	0.7269615	0.75825845	-0.0312969	0.57624512	0.89054584
Tceb1	1.87720505	1.0760004	1.10730012	-0.0312997	0.55238639	0.89054584
Pdik1l	0.23411908	0.21323306	0.24453984	-0.0313068	0.72456358	0.89054584
Sbk1	0.31748028	0.29479261	0.32610214	-0.0313095	0.67267492	0.89054584
Ccdc117	0.31411747	0.2915525	0.32287735	-0.0313248	0.67436555	0.89054584
Zfp516	0.59868901	0.54183843	0.57316497	-0.0313265	0.6004979	0.89054584
Ppp2r5a	0.31196763	0.28945237	0.32081269	-0.0313603	0.67559796	0.89054584
Uba6	0.16577202	0.14394913	0.17531259	-0.0313635	0.79771451	0.89054584
Zmiz2	0.23802195	0.21702891	0.24843173	-0.0314028	0.72203913	0.89054584
Med12	0.13157114	0.10852752	0.13994946	-0.0314219	0.85222909	0.89988783
Arl6ip4	0.55345432	0.50521759	0.53667928	-0.0314617	0.60761975	0.89054584
Tmx4	0.36355867	0.33823085	0.36969707	-0.0314662	0.65414623	0.89054584
Msh2	0.42618823	0.39563095	0.42711208	-0.0314811	0.63434988	0.89054584
Ube2e3	1.70976172	1.05173849	1.08324527	-0.0315068	0.55389482	0.89054584
Foxn3	0.30973552	0.28711516	0.31866659	-0.0315514	0.67770308	0.89054584
Mboat2	0.30341824	0.28101209	0.31258024	-0.0315682	0.68100697	0.89054584
Mut	0.30810181	0.28552175	0.31709455	-0.0315728	0.67863542	0.89054584
Rassf3	0.23180863	0.21061342	0.24223262	-0.0316192	0.72845358	0.89054584

Akt1	0.49850876	0.45892205	0.49059255	-0.0316705	0.61820155	0.89054584
4930453N24	0.4759893	0.43948477	0.47116181	-0.031677	0.62294656	0.89054584
Ctdspl2	0.53894383	0.49295416	0.52469405	-0.0317399	0.6109629	0.89054584
lars	0.23249699	0.21115675	0.24292027	-0.0317635	0.72880042	0.89054584
1600012H06	0.47592079	0.43932909	0.47110222	-0.0317731	0.62332256	0.89054584
Ubxn6	0.81117522	0.69402522	0.72581026	-0.031785	0.58083365	0.89054584
Brip1os	0.29692347	0.27451296	0.30630176	-0.0317888	0.68563571	0.89054584
Ptpra	0.27680778	0.25493041	0.28672394	-0.0317935	0.69728547	0.89054584
Sft2d2	0.16218289	0.13982835	0.17162316	-0.0317948	0.80596225	0.89054584
Nek1	0.23956078	0.21816845	0.24996431	-0.0317959	0.72328385	0.89054584
Ak6	0.41790823	0.38785121	0.41964737	-0.0317962	0.63795661	0.89054584
Nelfcd	0.53947878	0.49333315	0.52513827	-0.0318051	0.61109338	0.89054584
Cep78	0.13047223	0.10698815	0.13880566	-0.0318175	0.85722584	0.9009252
Rcc2	0.37049283	0.34429346	0.37616095	-0.0318675	0.65346591	0.89054584
Rhbdd2	0.31153006	0.28851797	0.32039217	-0.0318742	0.67849502	0.89054584
Epc2	0.22465518	0.20318552	0.23507488	-0.0318894	0.73631113	0.89054584
Chm	0.18299055	0.16102464	0.1929391	-0.0319145	0.77954137	0.89054584
Nvl	0.38849386	0.36089151	0.39281679	-0.0319253	0.64752418	0.89054584
Cln3	0.20510212	0.18346767	0.21539339	-0.0319257	0.75507602	0.89054584
Tsc1	0.30515246	0.28232691	0.31425309	-0.0319262	0.68200745	0.89054584
Josd2	0.8963802	0.74600912	0.7779409	-0.0319318	0.57582862	0.89054584
Cxxc5	0.94565966	0.77377775	0.80571096	-0.0319332	0.57324841	0.89054584
Glrx2	0.80880445	0.6923465	0.72428437	-0.0319379	0.58138565	0.89054584
Fastk	0.47947901	0.44223885	0.47419327	-0.0319544	0.62322111	0.89054584
Ireb2	0.44188967	0.40920239	0.44115693	-0.0319545	0.6321162	0.89054584
Acad8	0.3265774	0.30283653	0.33479654	-0.03196	0.67174879	0.89054584
Cops8	0.95841028	0.78066759	0.81263265	-0.0319651	0.57270312	0.89054584
Pogk	0.13771964	0.11437477	0.14634055	-0.0319658	0.84558308	0.89825055
Dhps	0.4830543	0.44528221	0.47729128	-0.0320091	0.62264969	0.89054584
Cttn	0.6723802	0.59763141	0.62967644	-0.032045	0.59371017	0.89054584

9430038I01R	0.25297075	0.23121552	0.26327318	-0.0320577	0.71474464	0.89054584
Terf1	0.33472749	0.31048537	0.34254912	-0.0320637	0.66861522	0.89054584
Rad17	0.43420863	0.40222355	0.43430445	-0.0320809	0.6346308	0.89054584
Trafd1	0.46835193	0.43242003	0.46450125	-0.0320812	0.6261881	0.89054584
Dclre1a	0.15163169	0.12861605	0.16074708	-0.032131	0.82413928	0.89120023
Ankfy1	0.21951313	0.19776301	0.22991554	-0.0321525	0.74264766	0.89054584
Sirt2	0.56731791	0.51583834	0.54800361	-0.0321653	0.60774951	0.89054584
2310057M21	0.27107816	0.24892053	0.28111191	-0.0321914	0.70316185	0.89054584
Siah1a	0.19603914	0.17399576	0.20621532	-0.0322196	0.76666986	0.89054584
Prkcz	0.24465636	0.22279597	0.25503135	-0.0322354	0.72202893	0.89054584
Rit1	0.3805115	0.3532169	0.38545325	-0.0322363	0.6515979	0.89054584
Cpd	0.21282768	0.19094622	0.22318995	-0.0322437	0.74954744	0.89054584
Polr2a	0.41585803	0.38551798	0.41779288	-0.0322749	0.64054189	0.89054584
Fam102a	0.21194673	0.1900219	0.22230223	-0.0322803	0.75064507	0.89054584
Atn1.1	0.20732664	0.18535011	0.21764104	-0.0322909	0.75529165	0.89054584
Fbxw7	0.18526389	0.16296274	0.1952573	-0.0322946	0.77951759	0.89054584
Cep41	0.14604932	0.12268019	0.15497545	-0.0322953	0.83419462	0.89427341
Ccdc86	0.53696199	0.49072556	0.52304674	-0.0323212	0.61328638	0.89054584
R3hdm2	0.30568571	0.28242871	0.31476716	-0.0323384	0.68390575	0.89054584
Zdhhc3	0.4825349	0.44449195	0.4768417	-0.0323497	0.62402548	0.89054584
Mtmr7	0.35816569	0.33225627	0.36465276	-0.0323965	0.66052991	0.89054584
Tob2	0.36067625	0.33459221	0.36700285	-0.0324106	0.65962462	0.89054584
Snx30	0.20455738	0.18239992	0.21484271	-0.0324428	0.75913835	0.89054584
Abca3	0.22058482	0.19854724	0.23099182	-0.0324446	0.74356783	0.89054584
E4f1	0.15944381	0.13634501	0.16880402	-0.032459	0.81483601	0.89054584
Ufsp1	0.12171193	0.09717763	0.1296715	-0.0324939	0.8784888	0.91058344
Mtmr3	0.25636343	0.23412354	0.26662691	-0.0325034	0.71496622	0.89054584
Ubxn4	1.58832629	1.02555956	1.05807103	-0.0325115	0.55691645	0.89054584
Tmem50b	0.17012277	0.14726112	0.17977786	-0.0325167	0.80029372	0.89054584
Pex2	0.57957461	0.52538308	0.55791131	-0.0325282	0.6070479	0.89054584

Pdhx	0.19214138	0.1697256	0.20225716	-0.0325316	0.77317873	0.89054584
Fam135a	0.59542934	0.53804679	0.57058102	-0.0325342	0.60474578	0.89054584
Armc5	0.17507815	0.15230421	0.18485417	-0.03255	0.79399673	0.89054584
Phospho2	0.27553865	0.25292765	0.28548224	-0.0325546	0.70238628	0.89054584
Dnajc19	1.02485532	0.8146865	0.84724412	-0.0325576	0.57104381	0.89054584
Snx16	0.23587203	0.21371137	0.24628873	-0.0325774	0.73113595	0.89054584
Rev1	0.17512339	0.15231894	0.18490047	-0.0325815	0.79416478	0.89054584
Fem1c	0.20811782	0.18584748	0.21843993	-0.0325924	0.75651616	0.89054584
Stxbp2	0.38059633	0.35292632	0.38553169	-0.0326054	0.65321617	0.89054584
Atp6v0a1	0.23139393	0.20918288	0.24181823	-0.0326354	0.73524765	0.89054584
Map4k5	0.26319425	0.24071616	0.27336385	-0.0326477	0.71103634	0.89054584
Tmem256	1.99458587	1.08474786	1.11741325	-0.0326654	0.55416645	0.89054584
Fbxl18	0.15051024	0.12692307	0.15958861	-0.0326655	0.82986188	0.89271879
Rprd2	0.39606555	0.36709292	0.39977035	-0.0326774	0.64833313	0.89054584
Drosha	0.24926921	0.22690334	0.25960794	-0.0327046	0.72137091	0.89054584
Fdxr	0.12794638	0.10344547	0.13617488	-0.0327294	0.86859385	0.90498553
Cenpb	0.21617045	0.19381642	0.22655527	-0.0327389	0.74960597	0.89054584
Uhrf1bp1l	0.22518911	0.20286493	0.23560991	-0.032745	0.74134515	0.89054584
Qser1	0.25176017	0.22932805	0.26207518	-0.0327471	0.71976706	0.89054584
Plxnb1	0.13717388	0.11300379	0.14577384	-0.0327701	0.85252702	0.89988783
Ube4a	0.31804147	0.29381423	0.32663973	-0.0328255	0.68017849	0.89054584
Unc119	0.17540809	0.15236559	0.18519181	-0.0328262	0.79554739	0.89054584
Osbp	0.17600543	0.15297106	0.18580295	-0.0328319	0.79481645	0.89054584
Nae1	0.78859983	0.6782475	0.711111365	-0.0328661	0.58524352	0.89054584
BC023719	0.30292505	0.27923015	0.31210421	-0.0328741	0.68819062	0.89054584
Fam131a	0.14239961	0.11831848	0.15119534	-0.0328769	0.84448645	0.89775379
Cnpy3	0.52521795	0.48034027	0.51323308	-0.0328928	0.61737311	0.89054584
Itfg2	0.38226335	0.3541773	0.38707235	-0.0328951	0.6539241	0.89054584
Scnm1	0.34767011	0.32189354	0.35479103	-0.0328975	0.66712702	0.89054584
Gabpb1	0.31573814	0.29153361	0.32443223	-0.0328986	0.68169139	0.89054584

Prkca	0.27451972	0.25155642	0.28448475	-0.0329283	0.70514619	0.89054584
Sh2b1	0.23941988	0.21687117	0.24982402	-0.0329529	0.73056882	0.89054584
Ldoc1l	0.13616846	0.1117567	0.14472955	-0.0329728	0.85574998	0.9009252
Gphn	0.24146939	0.21884406	0.25186364	-0.0330196	0.72933132	0.89054584
Gba	0.17896679	0.15577538	0.18883062	-0.0330552	0.79262368	0.89054584
Adprm	0.26582231	0.24288866	0.27594995	-0.0330613	0.71164029	0.89054584
Lrp5	0.19183937	0.16886508	0.20195021	-0.0330851	0.77734754	0.89054584
Phc2	0.23847692	0.21573257	0.24888496	-0.0331524	0.73256462	0.89054584
Mecp2	0.42483148	0.39272271	0.42589167	-0.033169	0.64163927	0.89054584
Ccdc25	0.5377958	0.49052885	0.52374012	-0.0332113	0.61616788	0.89054584
2010111I01R	0.22225806	0.19945918	0.23267118	-0.033212	0.74698352	0.89054584
Cenpv	0.18579889	0.16258928	0.19580253	-0.0332133	0.78531754	0.89054584
Wdr5	0.26540888	0.24231587	0.27554334	-0.0332275	0.71287952	0.89054584
L3mbtl2	0.13499058	0.11025792	0.14350561	-0.0332477	0.8597938	0.90132889
Ralgapb	0.13573346	0.11099507	0.1442776	-0.0332825	0.85875515	0.90127639
Aco1	0.30457141	0.28036835	0.31369277	-0.0333244	0.68967582	0.89054584
Ankrd13a	0.18349164	0.16009009	0.19345026	-0.0333602	0.78913587	0.89054584
1810022K09I	1.60769115	1.02915623	1.06252891	-0.0333727	0.55817012	0.89054584
Elf1	0.47288951	0.43508874	0.46846278	-0.033374	0.63002159	0.89054584
2810402E24I	0.20492534	0.18182759	0.21521468	-0.0333871	0.76508621	0.89054584
Bola2	1.06194467	0.83292428	0.86633735	-0.0334131	0.57130084	0.89054584
Idnk	0.4575792	0.42162301	0.45504879	-0.0334258	0.63390892	0.89054584
Tle1	0.32555471	0.30039088	0.33382128	-0.0334304	0.67959546	0.89054584
Gramd1a	0.58748601	0.53076751	0.56425444	-0.0334869	0.60891612	0.89054584
Diaph1	0.33612661	0.31038788	0.34387647	-0.0334886	0.67498249	0.89054584
Nedd4	2.39366378	1.0957991	1.12929047	-0.0334914	0.55494706	0.89054584
Pfkm	0.16371645	0.13970812	0.17320022	-0.0334921	0.81618181	0.89054584
Trp53rka	0.29407234	0.26998906	0.30353888	-0.0335498	0.69670521	0.89054584
Cstb	1.71465803	1.0505762	1.08413026	-0.0335541	0.55732683	0.89054584
Gm6133	0.98398541	0.79264256	0.82620401	-0.0335614	0.57505235	0.89054584

Slc35b4	0.18098793	0.15727795	0.19089516	-0.0336172	0.79402122	0.89054584
Psmc2	1.71609791	1.05077033	1.08438842	-0.0336181	0.55742189	0.89054584
Tomm40l	0.16046146	0.13623312	0.16985177	-0.0336186	0.82177251	0.89054584
Trmt10a	0.25039685	0.22707338	0.26072521	-0.0336518	0.72618988	0.89054584
Ppp1r13b	0.19192947	0.16837145	0.20204178	-0.0336703	0.78124779	0.89054584
Nek7	0.42574572	0.39303454	0.42671416	-0.0336796	0.64345903	0.89054584
Ctc1	0.11651202	0.09055304	0.1242362	-0.0336832	0.89673082	0.92138933
Lsm4	1.42723803	0.98059718	1.01428594	-0.0336888	0.56148815	0.89054584
Tbl1xr1	0.24592737	0.22258511	0.25629336	-0.0337083	0.72998047	0.89054584
Strap	1.47389069	0.99454213	1.02826306	-0.0337209	0.56071633	0.89054584
Rfx7	0.20150772	0.17799852	0.2117576	-0.0337591	0.77118148	0.89054584
Mapkapk2	0.19954092	0.1759744	0.20976579	-0.0337914	0.77352727	0.89054584
Zfp513	0.24102036	0.21762288	0.25141694	-0.0337941	0.73441757	0.89054584
Nkap	0.41680133	0.38483224	0.41864643	-0.0338142	0.64665454	0.89054584
Fntb	0.14692481	0.12202095	0.15588143	-0.0338605	0.84423403	0.89775379
Gpr107	0.41328559	0.38156813	0.41546304	-0.0338949	0.64806162	0.89054584
Pgap1	0.28048462	0.25641039	0.29031688	-0.0339065	0.70682188	0.89054584
Babam1	0.65158922	0.58019889	0.61410696	-0.0339081	0.60150502	0.89054584
Rbsn	0.20972118	0.18613788	0.22005805	-0.0339202	0.76366395	0.89054584
Slmo2	0.77818114	0.67028538	0.7042067	-0.0339213	0.58878439	0.89054584
Trabd	0.67986755	0.60128724	0.63520955	-0.0339223	0.5982434	0.89054584
Ddx52	0.33624436	0.31005414	0.34398814	-0.033934	0.67709788	0.89054584
Anapc7	0.38878901	0.35911665	0.39308842	-0.0339718	0.65639288	0.89054584
Pard3	0.57342446	0.51897067	0.55295152	-0.0339808	0.61267911	0.89054584
Hook1	0.38285496	0.35361037	0.38761874	-0.0340084	0.65864206	0.89054584
Uhmk1	0.18298863	0.15891402	0.19293714	-0.0340231	0.79433965	0.89054584
Tnrc18	0.46802353	0.43018039	0.46421406	-0.0340337	0.63366213	0.89054584
Rab3ip	0.47848904	0.43929924	0.47333405	-0.0340348	0.63118688	0.89054584
Zbtb11	0.24961668	0.22591593	0.25995228	-0.0340364	0.72907226	0.89054584
Tmem55b	0.64207226	0.57284346	0.60688172	-0.0340383	0.60307199	0.89054584

Rreb1	0.22788459	0.20425702	0.23830904	-0.034052	0.74720398	0.89054584
Alkbh8	0.15653055	0.13172524	0.16580229	-0.034077	0.83085359	0.89280428
Nemf	0.62924789	0.56294726	0.59704666	-0.0340994	0.60491439	0.89054584
Atp5f1	2.80263642	1.07618238	1.11028404	-0.0341017	0.55689296	0.89054584
Tmem42	0.26623174	0.2422407	0.27635254	-0.0341118	0.71738174	0.89054584
Mrpl13	0.75566825	0.65489173	0.68901448	-0.0341227	0.59123747	0.89054584
Slc35a2	0.37143945	0.34286372	0.37704132	-0.0341776	0.66360361	0.89054584
Higd2a	1.38314705	0.96578218	1.00000111	-0.0342189	0.56333249	0.89054584
Taf3	0.43244958	0.3984991	0.43273025	-0.0342311	0.64376682	0.89054584
Ints4	0.1649676	0.14025219	0.17448615	-0.034234	0.81966214	0.89054584
Smyd2	0.42249572	0.38955191	0.4237881	-0.0342362	0.64668192	0.89054584
Pkdcc	0.33245184	0.30614243	0.34038798	-0.0342456	0.68036656	0.89054584
Zfp64	0.28411072	0.25960469	0.29385378	-0.0342491	0.70643734	0.89054584
Spata7	0.1777556	0.15333356	0.18759273	-0.0342592	0.80257098	0.89054584
Lats1	0.2677447	0.24355306	0.27783954	-0.0342865	0.71733121	0.89054584
Zfp598	0.14903164	0.12376738	0.15806042	-0.034293	0.84394659	0.89775379
Fuom	0.35136164	0.32395845	0.35826641	-0.034308	0.67225373	0.89054584
Flot2	0.29987901	0.27482207	0.30916152	-0.0343394	0.69759007	0.89054584
Vps37c	0.17198836	0.1473347	0.18169018	-0.0343555	0.81082782	0.89054584
Gmds	0.40328137	0.37199837	0.40636683	-0.0343685	0.65322048	0.89054584
Fiz1	0.38770969	0.35772273	0.392095	-0.0343723	0.65851632	0.89054584
Dnah9	0.194798	0.17057364	0.20495566	-0.034382	0.7827615	0.89054584
1700037H04	0.32770939	0.30148469	0.33587541	-0.0343907	0.68333143	0.89054584
Vps37d	0.14198094	0.11636337	0.15076138	-0.034398	0.85610746	0.9009252
Pkd2	0.34189024	0.31493149	0.34933494	-0.0344035	0.67682014	0.89054584
Spsb2	0.1950791	0.17079168	0.20524102	-0.0344493	0.78289125	0.89054584
Nktr	1.68973908	1.04507885	1.07953181	-0.034453	0.5591004	0.89054584
Lrba	0.22701158	0.20293745	0.23743522	-0.0344978	0.75076952	0.89054584
Tcta	0.40037767	0.36915081	0.40371593	-0.0345651	0.65501162	0.89054584
Tcp1	1.95170323	1.07965853	1.11423893	-0.0345804	0.55748281	0.89054584

Polr3h	0.24921091	0.22496319	0.25955016	-0.034587	0.73264696	0.89054584
Stx4a	0.53089009	0.48339342	0.51798396	-0.0345905	0.62214538	0.89054584
Pcid2	0.16748713	0.14247934	0.17707377	-0.0345944	0.81864279	0.89054584
Rps9	5.01237819	0.66376405	0.69836711	-0.0346031	0.59128188	0.89054584
Ubqln1	0.70596736	0.61958418	0.65419341	-0.0346092	0.59734275	0.89054584
Ube2q1	0.45730755	0.42020014	0.45480952	-0.0346094	0.63852869	0.89054584
Mrto4	0.57610086	0.52048372	0.55511299	-0.0346293	0.61433507	0.89054584
Lrrc24	0.16256493	0.13736149	0.17201613	-0.0346546	0.82603129	0.89170439
Stim2	0.27991273	0.25508055	0.28975847	-0.0346779	0.71143305	0.89054584
Fam172a	0.33679972	0.30983225	0.34451483	-0.0346826	0.68047207	0.89054584
Bbs5	0.16858942	0.14352119	0.17820503	-0.0346838	0.81773434	0.89054584
Gtf2h1	0.31234651	0.28648535	0.32117673	-0.0346914	0.692598	0.89054584
Zfp266	0.38613438	0.35593444	0.39064395	-0.0347095	0.66054699	0.89054584
Cnot10	0.23214897	0.2078441	0.24257263	-0.0347285	0.74761687	0.89054584
Fyco1	0.18845273	0.16376444	0.19850537	-0.0347409	0.79257066	0.89054584
Tesk1	0.15989286	0.13451597	0.1692664	-0.0347504	0.83058553	0.89271879
Sp1	0.2214599	0.19711928	0.23187025	-0.034751	0.7574887	0.89054584
Mrgbp	0.23119873	0.20686394	0.24162316	-0.0347592	0.74864184	0.89054584
Gtf3c5	0.17462778	0.14963053	0.18439323	-0.0347627	0.81011661	0.89054584
Gnpda2	0.48381848	0.4431879	0.47795242	-0.0347645	0.63264784	0.89054584
Zfp120	0.23884435	0.21448546	0.24925092	-0.0347655	0.74209836	0.89054584
lpmk	0.17435384	0.14934099	0.18411283	-0.0347718	0.81054193	0.89054584
Ept1	0.25468449	0.2301882	0.26496792	-0.0347797	0.72957671	0.89054584
Ppt1	0.50389216	0.46039843	0.49519195	-0.0347935	0.62829832	0.89054584
Map2k3	0.33937549	0.31215683	0.34695549	-0.0347987	0.67984973	0.89054584
Snrnp25	0.27547815	0.25060413	0.28542302	-0.0348189	0.71510014	0.89054584
Dxo	0.25656012	0.23200008	0.26682117	-0.0348211	0.72840889	0.89054584
Kmt2b	0.17009672	0.14490154	0.17975115	-0.0348496	0.81680643	0.89054584
Paf1	0.30698254	0.28116443	0.31601675	-0.0348523	0.69631016	0.89054584
Fam134a	0.66785851	0.59144402	0.62631591	-0.0348719	0.60233653	0.89054584

Abcf2	0.47292482	0.4336145	0.46849356	-0.0348791	0.63564999	0.89054584
Sec24b	0.24024103	0.21574313	0.25064144	-0.0348983	0.7417314	0.89054584
Kif2a	0.22163302	0.19713482	0.232044	-0.0349092	0.75831753	0.89054584
Lonp2	0.41532947	0.38240233	0.41731437	-0.034912	0.65164363	0.89054584
Fyttd1	0.96182251	0.77950683	0.81446481	-0.034958	0.57924732	0.89054584
Zmym4	0.38883119	0.35809819	0.39312723	-0.035029	0.66097602	0.89054584
Cdk9	0.31103015	0.28487687	0.31991162	-0.0350347	0.69505081	0.89054584
Tubgcp4	0.3153455	0.28901193	0.32405565	-0.0350437	0.69280704	0.89054584
Ptp4a2	0.86899645	0.72669898	0.76176224	-0.0350633	0.58490078	0.89054584
Dnajc14	0.5231884	0.47644384	0.51152815	-0.0350843	0.62534297	0.89054584
Pdccd10	1.07284947	0.83672971	0.87182549	-0.0350958	0.57438453	0.89054584
Mrpl39	0.47374698	0.43409534	0.46920998	-0.0351146	0.63632956	0.89054584
Cisd1	1.27079005	0.92431068	0.9594279	-0.0351172	0.56770245	0.89054584
Zmym2	0.33953609	0.31197829	0.34710755	-0.0351293	0.68136219	0.89054584
A930015D03	0.15729817	0.13144455	0.16659355	-0.035149	0.83718991	0.89483776
Arhgap32	0.14273525	0.11639351	0.1515432	-0.0351497	0.86006651	0.90134771
Pank3	0.24344733	0.21865433	0.25383018	-0.0351759	0.74074286	0.89054584
Siah2	0.15282985	0.12680638	0.16198429	-0.0351779	0.84417742	0.89775379
Eif3a	1.92242023	1.07660067	1.11178195	-0.0351813	0.5586028	0.89054584
Pomgnt1	0.19738812	0.17239243	0.20758368	-0.0351913	0.78518389	0.89054584
Anp32a	2.17380461	1.09128269	1.12650311	-0.0352204	0.5579063	0.89054584
Nf1	0.24290957	0.21805646	0.2532957	-0.0352392	0.74156105	0.89054584
Casc3	0.36147842	0.33250388	0.36775302	-0.0352491	0.67240349	0.89054584
Ldah	0.26135055	0.23628958	0.27154762	-0.035258	0.72738459	0.89054584
Tulp3	0.3600975	0.3311591	0.3664614	-0.0353023	0.67321542	0.89054584
Hs6st1	0.16613747	0.14036015	0.17568796	-0.0353278	0.8255776	0.89170439
Wdr12	0.34217377	0.31427465	0.349603	-0.0353283	0.68110782	0.89054584
Rab5c	0.97275104	0.78495248	0.82028286	-0.0353304	0.57951977	0.89054584
2410016O06	0.17206179	0.14642577	0.18176542	-0.0353396	0.81748234	0.89054584
Cbr4	0.22281384	0.1978706	0.23322872	-0.0353581	0.76000182	0.89054584

Rps21	3.63987193	0.98202244	1.0173809	-0.0353585	0.56431505	0.89054584
B9d2	0.43187124	0.39685207	0.43221229	-0.0353602	0.64845699	0.89054584
Nudc	1.82894975	1.06628507	1.10164603	-0.035361	0.55943782	0.89054584
Tbk1	0.28840061	0.26264298	0.29803064	-0.0353877	0.70993498	0.89054584
Ruvbl2	0.56751903	0.51277207	0.54816697	-0.0353949	0.61822632	0.89054584
Ube2j1	0.49479955	0.45196952	0.48741297	-0.0354434	0.63261472	0.89054584
Gopc	0.36019961	0.33110745	0.36655694	-0.0354495	0.67384782	0.89054584
Dopey1	0.255048	0.22987094	0.26532722	-0.0354563	0.73322134	0.89054584
Rheb	1.75198483	1.0550155	1.09050794	-0.0354924	0.56026187	0.89054584
Rab23	0.21674693	0.19164154	0.22713515	-0.0354936	0.7667043	0.89054584
Tigd2	0.33449823	0.30682638	0.34233152	-0.0355051	0.68552497	0.89054584
Vps37b	0.40035971	0.36818883	0.40369952	-0.0355107	0.65902926	0.89054584
Prr12	0.31041678	0.28379613	0.31932182	-0.0355257	0.6978838	0.89054584
Flot1	0.48067146	0.4396992	0.47522741	-0.0355282	0.63619423	0.89054584
Fam60a	0.58756033	0.52876514	0.56431383	-0.0355487	0.61542536	0.89054584
Dip2b	0.29787527	0.27163973	0.30722319	-0.0355835	0.70526761	0.89054584
Rnf111	0.22127848	0.19608735	0.23168817	-0.0356008	0.76296884	0.89054584
Chkb	0.46279966	0.42403285	0.45963821	-0.0356054	0.6409128	0.89054584
Mfn1	0.2137145	0.1884691	0.22408323	-0.0356141	0.77048885	0.89054584
Laptm4b	0.8727559	0.72837846	0.76401577	-0.0356373	0.58601858	0.89054584
Dsp	0.16727465	0.14118939	0.17685564	-0.0356663	0.82627908	0.89170439
Uspl1	0.27099069	0.24535641	0.28102612	-0.0356697	0.72285495	0.89054584
Tmem127	0.19125491	0.16567815	0.20135605	-0.0356779	0.79545871	0.89054584
Ptgr2	0.48691952	0.44492878	0.48063162	-0.0357028	0.63535905	0.89054584
Fkbp15	0.24017354	0.21486709	0.25057427	-0.0357072	0.74662462	0.89054584
Zmym3	0.24344648	0.2181003	0.25382934	-0.035729	0.74402132	0.89054584
Lamtor4	1.42728707	0.9785711	1.01430131	-0.0357302	0.56518081	0.89054584
Tubgcp5	0.28143891	0.25551211	0.2912483	-0.0357362	0.7162213	0.89054584
Tnrc6c	0.3335591	0.30569531	0.34143986	-0.0357446	0.6871308	0.89054584
Pisd	0.38218124	0.35125098	0.3869965	-0.0357455	0.66652229	0.89054584

Cyld	0.17349232	0.14743412	0.18323075	-0.0357966	0.81863828	0.89054584
Shq1	0.13952883	0.11241473	0.14821834	-0.0358036	0.86979308	0.90589084
Mob1a	0.23695445	0.21155776	0.24736793	-0.0358102	0.74998762	0.89054584
Yrdc	0.59020101	0.53060527	0.56642161	-0.0358163	0.61584918	0.89054584
Tfip11	0.17681949	0.15081614	0.1866356	-0.0358195	0.81437991	0.89054584
Pccb	0.33708294	0.3089378	0.34478337	-0.0358456	0.68593801	0.89054584
Celsr2	0.24213912	0.21663608	0.25252971	-0.0358936	0.74607991	0.89054584
Aprt	1.38686673	0.96533694	1.00125148	-0.0359145	0.56636006	0.89054584
Foxj3	0.2331214	0.20762536	0.24354385	-0.0359185	0.75399422	0.89054584
Mrpl46	0.58590065	0.52706423	0.56298669	-0.0359225	0.61687089	0.89054584
Mtcl1	0.20029616	0.17458332	0.21053083	-0.0359475	0.78683872	0.89054584
Ccpg1	0.37196973	0.34156839	0.37753426	-0.0359659	0.67141901	0.89054584
2310039H08	0.92726269	0.75956016	0.79554361	-0.0359834	0.58345096	0.89054584
Rsl1d1	1.17168676	0.8821646	0.91815317	-0.0359886	0.57244999	0.89054584
Klhdc10	0.35079659	0.32174374	0.35773492	-0.0359912	0.68036835	0.89054584
Rtfdc1	0.67294407	0.59403039	0.63009451	-0.0360641	0.60513428	0.89054584
Hyal2	0.45083081	0.41302055	0.44909172	-0.0360712	0.64587502	0.89054584
Hspb11	0.69580229	0.61074977	0.64685704	-0.0361073	0.60259124	0.89054584
Qk	0.38366931	0.35223814	0.38837053	-0.0361324	0.66765555	0.89054584
Ptges3	1.79974098	1.06155809	1.09771902	-0.0361609	0.56098786	0.89054584
Dido1	0.39314369	0.36090383	0.39709085	-0.036187	0.66442523	0.89054584
Wdr47	0.26463083	0.23856658	0.2747779	-0.0362113	0.73038365	0.89054584
Ndufb6	1.70618697	1.04635837	1.08259218	-0.0362338	0.56195684	0.89054584
Cbl	0.30505694	0.27792149	0.31416099	-0.0362395	0.70451262	0.89054584
Ddx24	0.99767936	0.79702078	0.83329766	-0.0362769	0.58036327	0.89054584
Isy1	0.24193808	0.21604537	0.25232978	-0.0362844	0.74855343	0.89054584
Vps51	0.17995305	0.15352216	0.18983827	-0.0363161	0.81360424	0.89054584
Acp6	0.1952303	0.16904117	0.20539449	-0.0363533	0.79520019	0.89054584
Pcgf3	0.44368104	0.40639451	0.4427505	-0.036356	0.64897847	0.89054584
Oxr1	0.38371773	0.35205483	0.38841521	-0.0363604	0.66863004	0.89054584

Mthfd1l	0.18011053	0.15362521	0.18999913	-0.0363739	0.81378198	0.89054584
Ak3	0.32068386	0.29279123	0.3291688	-0.0363776	0.69668002	0.89054584
Ubr3	0.39363328	0.36115577	0.39754016	-0.0363844	0.66509327	0.89054584
Rint1	0.641717	0.5701674	0.60661079	-0.0364434	0.61022115	0.89054584
Ate1	0.46500132	0.42512519	0.46156878	-0.0364436	0.64350785	0.89054584
Zcchc10	0.24678977	0.22069446	0.25714923	-0.0364548	0.74552547	0.89054584
Dapk1	0.3807933	0.34923282	0.38571381	-0.036481	0.67026492	0.89054584
Clic4	0.45290816	0.41443724	0.45092841	-0.0364912	0.6469216	0.89054584
Enah	0.705956	0.61768708	0.65418525	-0.0364982	0.60254138	0.89054584
Actr10	1.04974834	0.8236102	0.86011395	-0.0365038	0.57837116	0.89054584
Pik3r2	0.36966426	0.3388663	0.37538996	-0.0365237	0.67483104	0.89054584
Ppp2cb	0.24845946	0.22222027	0.25880528	-0.036585	0.74492149	0.89054584
Deb1	0.91737373	0.75335585	0.78997748	-0.0366216	0.58549768	0.89054584
Hs2st1	0.23179669	0.20559876	0.24222068	-0.0366219	0.75940704	0.89054584
Fem1b	0.38543568	0.3533659	0.38999992	-0.036634	0.6691728	0.89054584
Zmat2	0.92533806	0.75782948	0.79446594	-0.0366365	0.58505597	0.89054584
Phykpl	0.22110188	0.19486923	0.2315109	-0.0366417	0.76955418	0.89054584
Cln6	0.30399971	0.27647929	0.3131413	-0.036662	0.7072815	0.89054584
Foxo1	0.49156211	0.44795491	0.4846315	-0.0366766	0.63780044	0.89054584
Nlk	0.28880899	0.26173966	0.29842778	-0.0366881	0.71659673	0.89054584
Mrps34	0.95001155	0.77139761	0.80808677	-0.0366892	0.58376219	0.89054584
Dtx2	0.20710642	0.18071524	0.21741862	-0.0367034	0.78421152	0.89054584
Irak1	0.52935789	0.47997194	0.51670266	-0.0367307	0.62974915	0.89054584
Cep19	0.31169116	0.28379919	0.320547	-0.0367478	0.7033657	0.89054584
Rbm33	0.22076831	0.19442069	0.23117604	-0.0367554	0.77057403	0.89054584
Chchd1	1.31712969	0.94017041	0.97692804	-0.0367576	0.56957649	0.89054584
Smg1	0.29159614	0.26434052	0.30113602	-0.0367955	0.71541398	0.89054584
Nop16	0.42055829	0.38521006	0.42204084	-0.0368308	0.65784093	0.89054584
Eif3j1	0.8051313	0.68505032	0.72191213	-0.0368618	0.5940175	0.89054584
0610009B22	1.1536009	0.87320585	0.910076	-0.0368701	0.57485519	0.89054584

Sspl2a	0.30611146	0.27829804	0.31517749	-0.0368795	0.70717502	0.89054584
Pwp1	0.21394251	0.18743013	0.22431285	-0.0368827	0.77817612	0.89054584
Actn1	0.65340807	0.57858884	0.61548067	-0.0368918	0.60997594	0.89054584
Tmem126b	0.42196018	0.38640201	0.42330534	-0.0369033	0.65768811	0.89054584
Bcar1	0.3307504	0.30184446	0.33877037	-0.0369259	0.69421156	0.89054584
Nudt2	0.32316602	0.29457592	0.33154122	-0.0369653	0.69827662	0.89054584
Emc9	0.23591917	0.20932749	0.24633574	-0.0370082	0.75801635	0.89054584
Tmem51	0.33109245	0.30207637	0.33909569	-0.0370193	0.6944907	0.89054584
Gbf1	0.55336941	0.49956726	0.53660954	-0.0370423	0.62612508	0.89054584
Hivep3	0.16529492	0.1377749	0.17482246	-0.0370476	0.83825248	0.89497393
Elp2	0.45779638	0.41818471	0.45524004	-0.0370553	0.64773978	0.89054584
Gon4l	0.58136026	0.52228738	0.55934664	-0.0370593	0.62121603	0.89054584
Znhit2	0.44526418	0.4070586	0.44415725	-0.0370986	0.6514146	0.89054584
Faim	0.59284198	0.53141283	0.56852494	-0.0371121	0.61948399	0.89054584
Fcf1	0.67149688	0.59187762	0.62902108	-0.0371435	0.60838364	0.89054584
Zpr1	0.36696225	0.33572396	0.37287311	-0.0371491	0.67873624	0.89054584
Neo1	0.34030681	0.31067258	0.34783709	-0.0371645	0.69068135	0.89054584
Fkrp	0.26651672	0.23946082	0.27663272	-0.0371719	0.73435392	0.89054584
Ogfr	0.79818043	0.68021935	0.71739605	-0.0371767	0.59539076	0.89054584
Purb	0.61372182	0.54780425	0.58499201	-0.0371878	0.61644888	0.89054584
Chmp1a	0.61369143	0.54777303	0.58496825	-0.0371952	0.61647619	0.89054584
Thap7	0.38683348	0.35408368	0.39128808	-0.0372044	0.67111102	0.89054584
Mtf2	0.58275848	0.52319809	0.56046907	-0.037271	0.62165025	0.89054584
Zfp326	0.7757551	0.66530287	0.70258716	-0.0372843	0.59763746	0.89054584
Golga5	0.27824884	0.25081074	0.28813291	-0.0373222	0.7269045	0.89054584
Cetn2	1.24831706	0.9131622	0.95048977	-0.0373276	0.57258751	0.89054584
Agpat5	0.304706	0.27649195	0.31382257	-0.0373306	0.71027975	0.89054584
Akr1e1	0.53030701	0.48015791	0.51749654	-0.0373386	0.63162258	0.89054584
Fam117b	0.15597504	0.12787204	0.16522952	-0.0373575	0.85391215	0.90035231
Wdr83	0.36497546	0.33365922	0.37101992	-0.0373607	0.68051618	0.89054584

lkbkap	0.22880721	0.20186428	0.23923215	-0.0373679	0.76660836	0.89054584
Ero1l	0.29178417	0.26394618	0.30131859	-0.0373724	0.71831607	0.89054584
Cdc42se2	0.6229462	0.55476012	0.59217354	-0.0374134	0.61575517	0.89054584
Ide	0.20434507	0.17719147	0.21462807	-0.0374366	0.79178714	0.89054584
Utp6	0.21344724	0.18637571	0.22381407	-0.0374384	0.78210484	0.89054584
Prpf38b	0.99602106	0.79500645	0.83244587	-0.0374394	0.58298539	0.89054584
Midn	0.53736079	0.48592635	0.52337843	-0.0374521	0.63057855	0.89054584
Prmt5	0.45963577	0.41940577	0.45685874	-0.037453	0.64874589	0.89054584
Cox11	0.28566957	0.25788758	0.29537261	-0.037485	0.72282523	0.89054584
Pfn2	0.78945477	0.67417058	0.71167698	-0.0375064	0.59697808	0.89054584
Alg14	0.27201409	0.24450987	0.28202973	-0.0375199	0.73230619	0.89054584
Smg9	0.20476166	0.17749657	0.21504923	-0.0375527	0.79205169	0.89054584
Ppp3ca	0.94774611	0.76927707	0.80685173	-0.0375747	0.58588199	0.89054584
Dnajc13	0.30425392	0.27579198	0.31338653	-0.0375946	0.71188401	0.89054584
Tmem126a	0.79955065	0.68069412	0.71828909	-0.037595	0.59632542	0.89054584
Ppm1l	0.25886058	0.23149508	0.26909217	-0.0375971	0.74245715	0.89054584
Dot1l	0.34590246	0.31552403	0.35312431	-0.0376003	0.69008058	0.89054584
Dcaf10	0.20596253	0.17863097	0.216263	-0.037632	0.79123234	0.89054584
Tcf20	0.13711117	0.10805573	0.14570927	-0.0376535	0.88569414	0.91420299
Zfp329	0.46082834	0.42024803	0.45790713	-0.0376591	0.64919929	0.89054584
Tmpo	0.92513525	0.75663251	0.79435222	-0.0377197	0.58754302	0.89054584
Usp42	0.18385498	0.15608794	0.19382084	-0.0377329	0.81779645	0.89054584
Rnf44	0.2402133	0.21287109	0.25061384	-0.0377427	0.75854881	0.89054584
Usp19	0.48560917	0.44172854	0.47950025	-0.0377717	0.64319017	0.89054584
Ppp2r3d	0.29073107	0.26251983	0.30029586	-0.037776	0.72108792	0.89054584
Fto	0.41972569	0.38347089	0.4212893	-0.0378184	0.6621087	0.89054584
Sec24c	0.33918666	0.30895011	0.34677668	-0.0378266	0.69434332	0.89054584
Bmyc	1.185616	0.88642613	0.92425295	-0.0378268	0.57561032	0.89054584
Pitpna	0.45402822	0.41408366	0.45191762	-0.037834	0.65174674	0.89054584
Akap7	0.20520949	0.17766459	0.21550192	-0.0378373	0.79332318	0.89054584

Akap13	0.54702568	0.49353272	0.53138539	-0.0378527	0.63000803	0.89054584
Gtpbp2	0.37976969	0.34691093	0.38476714	-0.0378562	0.67666054	0.89054584
Dhrs4	0.78717245	0.67229891	0.71017193	-0.037873	0.59811013	0.89054584
Tomm6	0.43343269	0.39570507	0.43361027	-0.0379052	0.65809656	0.89054584
Lysmd2	0.76451922	0.65710726	0.69503083	-0.0379236	0.60033327	0.89054584
Tbce	0.35609245	0.32478461	0.36270945	-0.0379248	0.68691978	0.89054584
Add1	0.70531225	0.61577453	0.65372228	-0.0379483	0.60659264	0.89054584
Pias3	0.26399317	0.23618349	0.27415036	-0.0379669	0.74060546	0.89054584
Gabpb2	0.23044136	0.20289712	0.24086622	-0.0379691	0.76865214	0.89054584
Shkbp1	0.34275963	0.31213756	0.35015677	-0.0380192	0.69352147	0.89054584
Prosc	0.41286328	0.3770448	0.41508022	-0.0380354	0.66528009	0.89054584
Med20	0.29012802	0.26167172	0.29970995	-0.0380382	0.72283958	0.89054584
Arl2bp	0.58790772	0.52653717	0.56459138	-0.0380542	0.62324663	0.89054584
Tab2	0.58239043	0.52209031	0.56017374	-0.0380834	0.6242789	0.89054584
Cbll1	0.33338738	0.30318013	0.34127677	-0.0380966	0.69849487	0.89054584
Nomo1	0.29978941	0.27096905	0.30907489	-0.0381058	0.71715166	0.89054584
Akr7a5	0.88091536	0.73071323	0.76887098	-0.0381577	0.59142622	0.89054584
Dnaja3	0.52301057	0.47319398	0.51137864	-0.0381847	0.63603609	0.89054584
Usp10	0.36020558	0.32836836	0.36656252	-0.0381942	0.6863181	0.89054584
Katna1	0.55863126	0.50271439	0.54092278	-0.0382084	0.62895505	0.89054584
Ap1b1	0.36935843	0.33686766	0.37510529	-0.0382376	0.68257975	0.89054584
Mxd4	0.81432145	0.68957904	0.72782929	-0.0382503	0.59671195	0.89054584
Fahd1	0.21030051	0.18238812	0.22064245	-0.0382543	0.79038366	0.89054584
Wdr26	0.52495522	0.47475248	0.51301252	-0.03826	0.63587707	0.89054584
Slc25a23	0.26907841	0.2408497	0.27914946	-0.0382998	0.73865823	0.89054584
Ring1	0.40077082	0.36575431	0.40407514	-0.0383208	0.67069566	0.89054584
Rnf215	0.2357787	0.20786774	0.24619564	-0.0383279	0.76586816	0.89054584
Ube2g1	0.81049717	0.68703947	0.72537426	-0.0383348	0.5972429	0.89054584
Zfp646	0.20828287	0.18015906	0.21860654	-0.0384475	0.79371875	0.89054584
Gnpnat1	0.57710345	0.51745341	0.55592147	-0.0384681	0.62641927	0.89054584

Arl5a	0.20671471	0.17851145	0.21702297	-0.0385115	0.79580951	0.89054584
Klhl12	0.20448675	0.17625297	0.21477131	-0.0385183	0.79829927	0.89054584
Commd5	0.3817992	0.34809102	0.38664354	-0.0385525	0.6788719	0.89054584
Tsr2	0.24059907	0.21242437	0.25099775	-0.0385734	0.76300031	0.89054584
Fat1	0.3090542	0.27942751	0.31801116	-0.0385837	0.7140515	0.89054584
Nup43	0.24451999	0.2162886	0.25489589	-0.0386073	0.75979933	0.89054584
Nit1	0.43928825	0.40016636	0.43883999	-0.0386736	0.6593091	0.89054584
Sbds	0.74202897	0.64093714	0.6796339	-0.0386968	0.60459895	0.89054584
Rnf145	0.57451432	0.51512915	0.55383227	-0.0387031	0.62762814	0.89054584
Atp5s	0.21933085	0.19102531	0.22973243	-0.0387071	0.78376586	0.89054584
Osbpl1a	0.23650577	0.208206	0.24692065	-0.0387146	0.76744994	0.89054584
Gprc5b	0.2081553	0.17972333	0.21847776	-0.0387544	0.79571733	0.89054584
Ift27	0.57564239	0.51598663	0.55474307	-0.0387564	0.6275953	0.89054584
Cklf	0.1636588	0.13436137	0.17314095	-0.0387796	0.85164056	0.89985795
Ptdss2	0.4203617	0.38308168	0.42186342	-0.0387817	0.66578171	0.89054584
Vps45	0.20827374	0.17979666	0.21859733	-0.0388007	0.79586855	0.89054584
Socs6	0.27029459	0.24154089	0.28034319	-0.0388023	0.74048589	0.89054584
Pick1	0.55662231	0.50047032	0.53927815	-0.0388078	0.63128901	0.89054584
Tmco6	0.17572415	0.14670099	0.1855152	-0.0388142	0.83516077	0.89459411
Nadk	0.53817263	0.48523791	0.52405333	-0.0388154	0.63498176	0.89054584
Cdc42se1	0.64960764	0.57376317	0.61260772	-0.0388446	0.61616217	0.89054584
Dcaf5	0.17171885	0.1425253	0.181414	-0.0388887	0.84103267	0.8961387
Apeh	0.28870905	0.25943244	0.29833059	-0.0388982	0.72822749	0.89054584
Fam222a	0.21615167	0.18763037	0.22653639	-0.038906	0.78818519	0.89054584
Nr2c2	0.25942175	0.23072089	0.26964581	-0.0389249	0.74938159	0.89054584
Bloc1s4	0.3032099	0.27341984	0.31237916	-0.0389593	0.719398	0.89054584
Orc3	0.33201601	0.30099377	0.33997377	-0.03898	0.70338983	0.89054584
Apc	0.2977292	0.26800312	0.30708182	-0.0390787	0.7233722	0.89054584
Zyg11b	0.21330746	0.18458354	0.22367327	-0.0390897	0.79223734	0.89054584
Commd3	1.19838612	0.89069926	0.92980065	-0.0391014	0.57766551	0.89054584

Ahsa2	0.6935015	0.60607258	0.64518634	-0.0391138	0.61119829	0.89054584
Msl2	0.19576574	0.1667852	0.2059379	-0.0391527	0.81212468	0.89054584
Dcun1d3	0.13773696	0.10718167	0.14635853	-0.0391769	0.89381829	0.91924364
Rnf146	0.52797095	0.47636097	0.51554153	-0.0391806	0.63835832	0.89054584
Trim37	0.38649301	0.35178857	0.39097442	-0.0391858	0.6797313	0.89054584
4933434E20I	0.8073316	0.68411027	0.72333434	-0.0392241	0.59972649	0.89054584
Gpatch2	0.4486636	0.40794768	0.44717282	-0.0392251	0.65861031	0.89054584
Crtc3	0.37948751	0.34525895	0.38450606	-0.0392471	0.68280077	0.89054584
Fam96a	1.24663979	0.91051716	0.94980978	-0.0392926	0.57641692	0.89054584
Fnbp1l	0.41798259	0.38036102	0.41971458	-0.0393536	0.66888443	0.89054584
Atp1b3	0.52687084	0.47526407	0.51461965	-0.0393556	0.63918937	0.89054584
Dnajc15	0.93286082	0.75930624	0.79866272	-0.0393565	0.59079215	0.89054584
Bop1	0.2825184	0.25290903	0.29230139	-0.0393924	0.73495479	0.89054584
N4bp1	0.3852716	0.35042208	0.38984864	-0.0394266	0.68124128	0.89054584
Toporsos	0.46344316	0.42075832	0.46020278	-0.0394445	0.65517228	0.89054584
Prmt1	2.3161685	1.08982838	1.12928116	-0.0394528	0.56464851	0.89054584
Hsp90ab1	4.64015165	0.76446186	0.80394596	-0.0394841	0.59049326	0.89054584
Ddrk1	0.87289474	0.72459511	0.76409879	-0.0395037	0.59517047	0.89054584
Sfxn1	0.64556388	0.57001427	0.60953982	-0.0395256	0.61871536	0.89054584
Tmub1	0.29238386	0.26237091	0.30190075	-0.0395298	0.72907761	0.89054584
Coq7	0.58493288	0.52265155	0.56221198	-0.0395604	0.62847976	0.89054584
Ndufaf1	0.21931705	0.19014251	0.22971856	-0.0395761	0.7889101	0.89054584
Rpp25l	0.67183851	0.5896904	0.62927462	-0.0395842	0.61526509	0.89054584
Ash2l	0.80870034	0.68461838	0.72421726	-0.0395989	0.60053898	0.89054584
Noa1	0.32777667	0.29633823	0.33593951	-0.0396013	0.70856802	0.89054584
Tm7sf3	0.57138494	0.51169803	0.5513017	-0.0396037	0.63106779	0.89054584
Dcaf8	0.86675005	0.72080331	0.76041072	-0.0396074	0.59586935	0.89054584
Dnajc11	0.38135902	0.34662858	0.38623676	-0.0396082	0.68359288	0.89054584
Ahdc1	0.33173813	0.30006481	0.33970962	-0.0396448	0.70667878	0.89054584
1700021F05I	0.38862901	0.35329204	0.39294115	-0.0396491	0.68085936	0.89054584

Ube2i	1.85107158	1.06461109	1.10435794	-0.0397468	0.56658229	0.89054584
Zfp532	0.16681537	0.13663526	0.17638411	-0.0397488	0.85312039	0.9000538
Terf2	0.15534254	0.12479786	0.16457722	-0.0397794	0.86993752	0.90589084
Rpl3	4.95793758	0.67375637	0.71354207	-0.0397857	0.60248071	0.89054584
Mink1	0.15848629	0.12802989	0.1678178	-0.0397879	0.86533093	0.90377426
Dyrk1a	0.17639126	0.14639538	0.18619763	-0.0398023	0.84035341	0.89576177
Efna2	0.34623749	0.31360832	0.35344033	-0.039832	0.70022692	0.89054584
Dlg1	0.27387314	0.24398602	0.28385152	-0.0398655	0.74354865	0.89054584
Map3k4	0.21402225	0.18449465	0.22439315	-0.0398985	0.79627485	0.89054584
Sf3b3	0.53432312	0.48092539	0.52084936	-0.039924	0.63949738	0.89054584
Hdac4	0.26378808	0.23400798	0.27394849	-0.0399405	0.75151142	0.89054584
Snap29	0.19556648	0.16576629	0.20573568	-0.0399694	0.81729854	0.89054584
Supt20	0.65237563	0.57471721	0.61470119	-0.039984	0.61907275	0.89054584
Mark2	0.52270705	0.47108843	0.51112341	-0.040035	0.64241552	0.89054584
Cdk13	0.32996397	0.29795251	0.33802217	-0.0400697	0.70962105	0.89054584
Prcc	0.3603571	0.32660971	0.36670429	-0.0400946	0.6947632	0.89054584
Eea1	0.57672717	0.5155211	0.55561812	-0.040097	0.63164732	0.89054584
Mthfd1	0.33201489	0.2998387	0.3399727	-0.040134	0.70883726	0.89054584
Capza2	1.57520367	1.01479169	1.05496071	-0.040169	0.57040106	0.89054584
Sec22b	1.08003124	0.83522365	0.87539926	-0.0401756	0.58465536	0.89054584
Pnpt1	0.25029618	0.22043656	0.26062549	-0.0401889	0.76374998	0.89054584
Itgb3bp	0.43222969	0.39228457	0.43253333	-0.0402488	0.66768547	0.89054584
Pom121	0.25036416	0.22038125	0.26069282	-0.0403116	0.76436787	0.89054584
Secisbp2	0.30708557	0.27578594	0.31611598	-0.04033	0.72387343	0.89054584
Zfp212	0.17838248	0.14787755	0.18823348	-0.0403559	0.84106493	0.8961387
Rnf135	0.17652668	0.14595866	0.18633614	-0.0403775	0.84364536	0.89775379
Thtpa	0.20033237	0.17015626	0.2105675	-0.0404112	0.81437243	0.89054584
Mpv17l2	0.35702601	0.32316431	0.3635848	-0.0404205	0.69775142	0.89054584
Kdm7a	0.53502983	0.48101521	0.52143828	-0.0404231	0.64101441	0.89054584
Pvrl3	0.25105264	0.22088184	0.26137469	-0.0404928	0.76478369	0.89054584

Sdhaf2	0.48253588	0.43631434	0.47684256	-0.0405282	0.65393891	0.89054584
Cds2	0.25983695	0.22952452	0.27005535	-0.0405308	0.75779576	0.89054584
Ppa1	0.87111628	0.72246534	0.76303421	-0.0405689	0.59781897	0.89054584
Tdp1	0.19297472	0.16252508	0.20310397	-0.0405789	0.82402848	0.8911506
Gins4	0.39008001	0.35367395	0.3942761	-0.0406021	0.68430558	0.89054584
Ktn1	1.20521029	0.89209075	0.93272238	-0.0406316	0.58041478	0.89054584
Fam32a	1.53505379	1.00433809	1.04497872	-0.0406406	0.57189176	0.89054584
Alkbh6	0.60111849	0.53438927	0.57508639	-0.0406971	0.62918635	0.89054584
Pnpla8	0.50396131	0.45454574	0.49525091	-0.0407052	0.64911157	0.89054584
Akt1s1	0.94246149	0.7632458	0.80395828	-0.0407125	0.5932561	0.89054584
Mfsd11	0.39500683	0.35807985	0.3988	-0.0407202	0.6828592	0.89054584
Emc2	0.78498176	0.66800278	0.70872374	-0.040721	0.60553008	0.89054584
Galt	0.3023343	0.27078837	0.31153387	-0.0407455	0.72885133	0.89054584
Snx3	1.73564299	1.04704997	1.08779626	-0.0407463	0.56926883	0.89054584
Mettl1	0.59718847	0.53120402	0.57197638	-0.0407724	0.63009489	0.89054584
Ctdspl	0.26688689	0.23621664	0.27699659	-0.0407799	0.75361125	0.89054584
Rbbp9	0.23901478	0.20863541	0.24942065	-0.0407852	0.77691916	0.89054584
Nrbp1	0.66284562	0.58176578	0.62257361	-0.0408078	0.61996148	0.89054584
Pcnxl3	0.16876569	0.13756525	0.17838589	-0.0408206	0.85681554	0.9009252
Ddx28	0.19009678	0.15934795	0.20017828	-0.0408303	0.8290159	0.89265604
Gemin2	0.23407368	0.2036062	0.24449453	-0.0408883	0.7820524	0.89054584
Hgsnat	0.24095635	0.21042607	0.25135326	-0.0409272	0.77595501	0.89054584
Brcc3	0.44383969	0.40193959	0.44289154	-0.040952	0.66668904	0.89054584
Rpl30	3.78171588	0.96011203	1.00106825	-0.0409562	0.57558404	0.89054584
Carhsp1	0.7664013	0.65533163	0.69630294	-0.0409713	0.60801063	0.89054584
Exoc6	0.18152682	0.15046376	0.19144533	-0.0409816	0.84069346	0.89593824
Faap100	0.30546749	0.27356587	0.3145568	-0.0409909	0.72811503	0.89054584
Sipa1l1	0.14188908	0.10957541	0.15066617	-0.0410908	0.89806806	0.92211428
Nedd4l	0.29184265	0.26027881	0.30137537	-0.0410966	0.73738651	0.89054584
Rnf166	0.25801446	0.22715502	0.26825711	-0.0411021	0.76233644	0.89054584

Armc8	0.40003324	0.36229889	0.40340116	-0.0411023	0.68249829	0.89054584
Ncor2	0.30757942	0.27548832	0.31659159	-0.0411033	0.72736833	0.89054584
Nfatc3	0.1952703	0.16427057	0.20543509	-0.0411645	0.82473091	0.89148775
Braf	0.39216106	0.35502246	0.39618864	-0.0411662	0.68583886	0.89054584
Zdhhc12	0.4595056	0.41557656	0.45674426	-0.0411677	0.66272953	0.89054584
Ip6k1	0.30532506	0.27320614	0.3144195	-0.0412134	0.72929522	0.89054584
Commd6	0.97935956	0.78256169	0.82377702	-0.0412153	0.59215688	0.89054584
Zfp263	0.37806947	0.34197645	0.3831934	-0.041217	0.69185803	0.89054584
Polr2b	0.50596323	0.45573359	0.49695654	-0.0412229	0.65042307	0.89054584
Cggbp1	0.70400069	0.61154594	0.65277973	-0.0412338	0.6157314	0.89054584
Plscr3	0.7336059	0.63250698	0.67377398	-0.041267	0.61231149	0.89054584
Mrpl27	0.82237129	0.69167814	0.73296215	-0.041284	0.60349898	0.89054584
Prelid1	1.51888415	0.99935009	1.04069019	-0.0413401	0.57341315	0.89054584
Myo6	0.54109975	0.48511429	0.52648318	-0.0413689	0.6428475	0.89054584
Cnksr3	0.24265758	0.21164515	0.25304519	-0.0414	0.77704066	0.89054584
Hmgxb4	0.33778206	0.30402901	0.34544606	-0.041417	0.71177612	0.89054584
Rrnad1	0.33612526	0.30245437	0.34387519	-0.0414208	0.71266386	0.89054584
Emsy	0.44798207	0.40514494	0.4465688	-0.0414239	0.66718918	0.89054584
Osbpl9	0.35297094	0.31835267	0.35977918	-0.0414265	0.70417633	0.89054584
Ola1	0.94510583	0.76390384	0.80540761	-0.0415038	0.59486654	0.89054584
Lamp2	1.14663737	0.86543888	0.90694342	-0.0415045	0.58441747	0.89054584
Snx18	0.34976106	0.3152405	0.35676046	-0.04152	0.70616303	0.89054584
Ccdc174	0.63853641	0.56265745	0.60418137	-0.0415239	0.62559077	0.89054584
Zfp30	0.36578489	0.33024755	0.37177517	-0.0415276	0.69861037	0.89054584
Zc3h18	0.49546748	0.44644166	0.48798616	-0.0415445	0.65418242	0.89054584
Tpp1	0.33404218	0.30034646	0.34189858	-0.0415521	0.71437697	0.89054584
Scyl1	0.50384209	0.45358746	0.49514926	-0.0415618	0.65212422	0.89054584
R3hcc1	0.29169674	0.25966979	0.30123371	-0.0415639	0.73983468	0.89054584
Minpp1	0.46976075	0.42411648	0.46573257	-0.0416161	0.66140667	0.89054584
Pigp	1.292992	0.92624846	0.96792478	-0.0416763	0.57949504	0.89054584

Rrp36	0.23176883	0.20044894	0.24219284	-0.0417439	0.78901446	0.89054584
Ldlr	0.29153881	0.25928543	0.30108035	-0.0417949	0.74109924	0.89054584
Pcyt2	0.40196597	0.36328694	0.40516655	-0.0418796	0.68494306	0.89054584
Gpn3	0.38242259	0.34532791	0.38721944	-0.0418915	0.69287983	0.89054584
Utp11l	0.82984686	0.69579105	0.73768632	-0.0418953	0.60433898	0.89054584
Fam234a	0.37702575	0.34031727	0.38222654	-0.0419093	0.69526498	0.89054584
Bet1l	0.75401055	0.64596945	0.68788154	-0.0419121	0.61174333	0.89054584
Fasn	0.36790491	0.33177782	0.37375163	-0.0419738	0.69958864	0.89054584
Rc3h1	0.36082389	0.32514245	0.36714094	-0.0419985	0.7029666	0.89054584
Galnt1	0.48249215	0.43476811	0.47680469	-0.0420366	0.65937087	0.89054584
Slc37a3	0.32394939	0.29025155	0.33228929	-0.0420377	0.72220357	0.89054584
Txndc17	1.60424496	1.01968447	1.06174918	-0.0420647	0.57322052	0.89054584
Rnf40	0.25207726	0.22030159	0.26238904	-0.0420874	0.77255832	0.89054584
Myl6	3.66867377	0.97192537	1.01405633	-0.042131	0.5767417	0.89054584
Kdm5a	0.74320025	0.63827006	0.68044472	-0.0421747	0.61361975	0.89054584
Bet1	0.91970756	0.74910571	0.79129759	-0.0421919	0.59809299	0.89054584
DHRX	0.30919317	0.27594229	0.31814487	-0.0422026	0.73171836	0.89054584
Ttc19	0.3218214	0.28804609	0.33025645	-0.0422104	0.72423305	0.89054584
Agpat3	0.45071225	0.40675509	0.44898682	-0.0422317	0.66938669	0.89054584
Ccar1	1.03674971	0.81121431	0.85344635	-0.042232	0.59116531	0.89054584
Cpsf2	0.45386583	0.40951968	0.45177425	-0.0422546	0.66849169	0.89054584
Rpl31	4.63447286	0.76321656	0.80547151	-0.042255	0.59654241	0.89054584
Taf5l	0.18884157	0.15662746	0.19890115	-0.0422737	0.83896023	0.89500145
Rsph9	0.30818831	0.27489643	0.31717782	-0.0422814	0.73271997	0.89054584
Scaf4	0.22152941	0.18964824	0.23194002	-0.0422918	0.80220064	0.89054584
Hook3	0.52308304	0.46913982	0.51143957	-0.0422998	0.65000285	0.89054584
Gbbp1	1.07053027	0.82834945	0.87066499	-0.0423155	0.58956691	0.89054584
Rmdn3	0.37722339	0.34008416	0.38240967	-0.0423255	0.69695285	0.89054584
Abhd16a	0.85691996	0.71210885	0.75445465	-0.0423458	0.60314484	0.89054584
Gpank1	0.22008852	0.18810216	0.23049346	-0.0423913	0.80423642	0.89054584

Agap1	0.3009883	0.26783332	0.31023371	-0.0424004	0.73785575	0.89054584
Sphk2	0.32351234	0.28944153	0.33187198	-0.0424304	0.72429687	0.89054584
Jmjd1c	0.38302621	0.34531691	0.38777686	-0.04246	0.69502146	0.89054584
Trappc1	1.11271582	0.84875912	0.8912478	-0.0424887	0.58788466	0.89054584
Aar2	0.26327421	0.23089968	0.27344258	-0.0425429	0.76572797	0.89054584
Rabl2	0.30013273	0.26685494	0.30940681	-0.0425519	0.73915137	0.89054584
Mpnd	0.31155629	0.27778913	0.32041738	-0.0426282	0.7323133	0.89054584
Cc2d1b	0.22871046	0.19649019	0.23913537	-0.0426452	0.79696579	0.89054584
Mtif3	0.26665846	0.23412402	0.27677206	-0.042648	0.76359054	0.89054584
Spryd7	0.23354961	0.20124858	0.24397139	-0.0427228	0.79270587	0.89054584
Tbc1d16	0.62114417	0.54803699	0.59077515	-0.0427382	0.63195644	0.89054584
Uba1	1.05051705	0.81772363	0.86050465	-0.042781	0.5915853	0.89054584
Szrd1	0.5556286	0.49559546	0.53846367	-0.0428682	0.64464694	0.89054584
Appl2	0.28388464	0.25074359	0.29363341	-0.0428898	0.75190997	0.89054584
Ifi35	0.24200572	0.20949425	0.25239705	-0.0429028	0.78580022	0.89054584
Azin1	0.72384185	0.62393476	0.66691881	-0.042984	0.61801693	0.89054584
Myo1b	0.66274131	0.57949917	0.62249556	-0.0429964	0.62619701	0.89054584
Tmem128	0.6916731	0.60085853	0.643856	-0.0429975	0.62214897	0.89054584
Prorsd1	0.51938022	0.46530982	0.50832233	-0.0430125	0.65329211	0.89054584
Tmem57	0.51813539	0.46420188	0.50727263	-0.0430707	0.65379049	0.89054584
Podxl2	0.60939344	0.53851368	0.58160223	-0.0430885	0.63501373	0.89054584
Uchl5	0.45243041	0.40741507	0.45050623	-0.0430912	0.6720678	0.89054584
Rufy2	0.26584406	0.23281855	0.27597134	-0.0431528	0.76684751	0.89054584
Larp4b	0.72474443	0.62437429	0.66755534	-0.0431811	0.61843201	0.89054584
Slc25a36	0.42233916	0.38046524	0.42364699	-0.0431818	0.68256355	0.89054584
Adrbk1	0.19596241	0.1629499	0.20613747	-0.0431876	0.83548962	0.89459411
Ddx18	0.72971177	0.62782423	0.67104804	-0.0432238	0.61794711	0.89054584
Ninj1	0.61977852	0.54646527	0.58971392	-0.0432486	0.63370378	0.89054584
Trub2	0.15922997	0.12529388	0.1685838	-0.0432899	0.88421999	0.913715
F8a	0.35790642	0.32111379	0.36440986	-0.0432961	0.71005166	0.89054584

Supt16	0.81195137	0.68298886	0.726309	-0.0433201	0.60944736	0.89054584
Trim27	0.89110909	0.73152283	0.77486775	-0.0433449	0.60280491	0.89054584
Tgs1	0.42958043	0.38681073	0.43015869	-0.043348	0.6806406	0.89054584
Ahcyl1	0.69083152	0.59987724	0.64324287	-0.0433656	0.62327471	0.89054584
Pcnt	0.23847436	0.20549862	0.24888242	-0.0433838	0.79163877	0.89054584
Gna13	0.31022087	0.27572763	0.31913341	-0.0434058	0.73685161	0.89054584
Gnl3l	0.27477297	0.2412644	0.28473272	-0.0434683	0.76153552	0.89054584
Fxr2	0.35715902	0.32023783	0.36370947	-0.0434716	0.71118525	0.89054584
Mrpl51	1.20156597	0.8876838	0.9311658	-0.043482	0.58611219	0.89054584
Wrnip1	0.32132442	0.2862956	0.32978135	-0.0434857	0.73050433	0.89054584
Golga3	0.36054351	0.32329436	0.36687867	-0.0435843	0.71002959	0.89054584
Pkn1	0.21053521	0.1772942	0.22087915	-0.0435849	0.82103719	0.89054584
Eif2d	0.3265624	0.29117461	0.33478225	-0.0436076	0.72802756	0.89054584
Crnkl1	0.45205663	0.4065505	0.45017584	-0.0436253	0.67418017	0.89054584
Fam76a	0.55237887	0.49212884	0.53579554	-0.0436667	0.64791526	0.89054584
Rsb1	0.38521955	0.346056	0.38980064	-0.0437446	0.69945753	0.89054584
Pcgf2	0.29148651	0.25726355	0.30102958	-0.043766	0.75090906	0.89054584
Alg5	0.42648992	0.38360666	0.42738331	-0.0437767	0.68339478	0.89054584
Dnajc24	0.71761688	0.61871529	0.6625129	-0.0437976	0.62095683	0.89054584
Eif3m	1.89759395	1.06558964	1.10944332	-0.0438537	0.57305485	0.89054584
Kat6a	0.28592594	0.25173573	0.29562228	-0.0438865	0.75541897	0.89054584
Ppme1	0.44899938	0.40358312	0.44747032	-0.0438872	0.67614353	0.89054584
Zdhhc4	0.23214707	0.1985884	0.24257073	-0.0439823	0.80087417	0.89054584
Tnip1	0.1773977	0.14324255	0.18722684	-0.0439843	0.86313263	0.90286413
Mrps30	0.34652352	0.30971451	0.3537101	-0.0439956	0.71887203	0.89054584
Snap47	0.79914158	0.67401971	0.71802263	-0.0440029	0.61237559	0.89054584
Fnta	1.03284414	0.80739988	0.85142048	-0.0440206	0.59517557	0.89054584
Tmx1	1.24454159	0.90490408	0.94895666	-0.0440526	0.58561445	0.89054584
Golph3	0.54124288	0.48252077	0.52660185	-0.0440811	0.65172922	0.89054584
Ccz1	0.63704264	0.55890105	0.60303798	-0.0441369	0.63344533	0.89054584

Borcs7	0.56390956	0.50108207	0.54523126	-0.0441492	0.64700607	0.89054584
Tmem243	0.32882971	0.29279286	0.33694249	-0.0441496	0.72922205	0.89054584
Rps6	5.01888168	0.65278237	0.696969	-0.0441866	0.61614391	0.89054584
Tmem109	0.65211065	0.57030599	0.61450101	-0.044195	0.63121456	0.89054584
Fam160b1	0.40084617	0.35994161	0.40414396	-0.0442024	0.69482063	0.89054584
Uck2	0.23242155	0.19853781	0.24284492	-0.0443071	0.80234435	0.89054584
Tmed9	1.8925041	1.06456309	1.10892355	-0.0443605	0.57392365	0.89054584
Fam168a	0.2858406	0.25117505	0.29553918	-0.0443641	0.75783815	0.89054584
Gnai3	1.13595587	0.85767517	0.90207596	-0.0444008	0.59068844	0.89054584
Kat5	0.37774661	0.33835413	0.38289438	-0.0445403	0.70607426	0.89054584
Esco1	0.39883522	0.3576928	0.40230581	-0.044613	0.69729811	0.89054584
Herpud2	0.24785703	0.21356539	0.25820792	-0.0446425	0.78973488	0.89054584
Selk	2.82343135	1.06404697	1.1087792	-0.0447322	0.57454552	0.89054584
Ehbp1	0.24838344	0.2139802	0.25872991	-0.0447497	0.78982279	0.89054584
Rps27rt	1.27125938	0.91484389	0.95961068	-0.0447668	0.58602996	0.89054584
Trappc13	0.55835857	0.49589424	0.5406997	-0.0448055	0.65027626	0.89054584
Qsox2	0.37784367	0.33816566	0.38298428	-0.0448186	0.70719585	0.89054584
Tmem70	0.79020635	0.66715341	0.71217178	-0.0450184	0.61581386	0.89054584
Ryk	0.37083761	0.33141878	0.37648165	-0.0450629	0.71145856	0.89054584
Ssbp4	0.90764334	0.73932271	0.78443894	-0.0451162	0.60563279	0.89054584
Psph	0.33364197	0.29635054	0.34151856	-0.045168	0.73111044	0.89054584
Pigu	0.24120317	0.20641663	0.25159881	-0.0451822	0.79860642	0.89054584
Oxa1l	0.61242713	0.53877825	0.5839794	-0.0452011	0.64080493	0.89054584
Spag9	0.49447755	0.44184752	0.48713653	-0.045289	0.66754386	0.89054584
Agl	0.31408191	0.27745618	0.32284321	-0.045387	0.74375933	0.89054584
Slc38a2	0.70717018	0.60966208	0.65505684	-0.0453948	0.62659929	0.89054584
Tubg1	0.60996977	0.53663202	0.58205432	-0.0454223	0.64191195	0.89054584
Tmem11	0.78887595	0.66585094	0.71129565	-0.0454447	0.61701863	0.89054584
Smpd1	0.48741395	0.43552181	0.48105824	-0.0455364	0.67039717	0.89054584
Immt	0.98326607	0.78027644	0.82582761	-0.0455512	0.60140246	0.89054584

Afg3l1	0.58056674	0.51313625	0.55870906	-0.0455728	0.648035	0.89054584
Rock2	0.47429239	0.42411128	0.46968502	-0.0455737	0.67438678	0.89054584
Stx17	0.22374957	0.18857903	0.23416708	-0.0455881	0.81779945	0.89054584
Fam179b	0.23657137	0.20131595	0.24698605	-0.0456701	0.80551401	0.89054584
Nipa2	0.42951554	0.38442053	0.43010047	-0.0456799	0.68963463	0.89054584
Lrrc16a	0.23311636	0.19785861	0.24353882	-0.0456802	0.80890563	0.89054584
Gm6563	0.50847481	0.45340063	0.49909283	-0.0456922	0.66513857	0.89054584
Rab2a	1.55114842	1.00335377	1.04906716	-0.0457134	0.5804382	0.89054584
Ppp1ca	2.70593446	1.07076593	1.11654199	-0.0457761	0.57574018	0.89054584
Dcps	0.82599238	0.68945572	0.7352556	-0.0457999	0.61417241	0.89054584
Copg2	0.40680023	0.36375996	0.40957288	-0.0458129	0.69886103	0.89054584
Hars	0.51798162	0.4612962	0.50714289	-0.0458467	0.66318717	0.89054584
Med13l	0.27383073	0.23790856	0.28380998	-0.0459014	0.77442651	0.89054584
Aga	0.63579958	0.55611335	0.60208531	-0.045972	0.63897914	0.89054584
Plekha1	0.46372415	0.41445285	0.46044923	-0.0459964	0.67917853	0.89054584
Kdm2b	0.28851837	0.25213701	0.29814516	-0.0460082	0.76391189	0.89054584
Scaf8	0.27801678	0.2418969	0.28790608	-0.0460092	0.77172137	0.89054584
Tmem159	0.32474036	0.28688695	0.3330443	-0.0461573	0.74076089	0.89054584
Abcc5	0.25603061	0.22013727	0.26629815	-0.0461609	0.79033787	0.89054584
Exoc4	0.42170087	0.37690312	0.42307154	-0.0461684	0.69441886	0.89054584
Cand1	0.55041367	0.48800943	0.53417871	-0.0461693	0.65640601	0.89054584
Baz2b	0.86661894	0.71412623	0.76033173	-0.0462055	0.61145937	0.89054584
Tpd52l2	0.85599915	0.70764254	0.75389314	-0.0462506	0.61249256	0.89054584
Atp9a	0.31878561	0.28109702	0.32735232	-0.0462553	0.74483192	0.89054584
Ube2d3	2.73604278	1.06849124	1.11475194	-0.0462607	0.57665355	0.89054584
Ncl	2.55793051	1.07828234	1.12456282	-0.0462805	0.5760251	0.89054584
Gm10709	3.08464594	1.04083294	1.08713204	-0.0462991	0.57864035	0.89054584
2610507B11	0.39962529	0.35671775	0.40302826	-0.0463105	0.70379331	0.89054584
E130309D02	0.32896247	0.2907362	0.33706889	-0.0463327	0.73904601	0.89054584
Arxes2	0.3443114	0.30524549	0.35162264	-0.0463772	0.73055404	0.89054584

Cabin1	0.34737883	0.30804681	0.3545165	-0.0464697	0.72929746	0.89054584
Zrsr2	0.90251082	0.73501233	0.78148942	-0.0464771	0.60914015	0.89054584
Pex10	0.23278069	0.19671517	0.24320361	-0.0464884	0.81341684	0.89054584
Fubp3	0.50907703	0.45305919	0.49960447	-0.0465453	0.66787276	0.89054584
Rnf139	0.22518512	0.1890428	0.23560592	-0.0465631	0.82141025	0.89054584
Ep300	0.31492311	0.27707173	0.32365045	-0.0465787	0.7487303	0.89054584
Snf8	0.77126202	0.65294504	0.69957647	-0.0466314	0.62192842	0.89054584
Rprd1b	0.37395512	0.33273206	0.37937851	-0.0466465	0.71662339	0.89054584
A430005L14I	0.40077558	0.35743121	0.40407948	-0.0466483	0.70465748	0.89054584
Atf6	0.19970483	0.16327742	0.20993185	-0.0466544	0.84975536	0.89887961
Nsfl1c	0.90708498	0.73742188	0.784119	-0.0466971	0.60928531	0.89054584
Trmt2a	0.37704041	0.33553264	0.38224013	-0.0467075	0.71542204	0.89054584
Dtd2	0.39082915	0.34824818	0.39496487	-0.0467167	0.70920455	0.89054584
Nfe2l1	0.6802522	0.58877368	0.63549281	-0.0467191	0.63401588	0.89054584
Tfpt	0.36752495	0.32665172	0.37339758	-0.0467459	0.72013938	0.89054584
Gid8	0.42886027	0.38275091	0.42951246	-0.0467616	0.69400141	0.89054584
Jagn1	1.09124999	0.83414003	0.8809219	-0.0467819	0.59770676	0.89054584
Chmp6	0.40299727	0.35929934	0.40610768	-0.0468083	0.70436406	0.89054584
Eif4a3	1.15589483	0.86428643	0.91110093	-0.0468145	0.59459737	0.89054584
Htt	0.22685179	0.19045502	0.23727523	-0.0468202	0.82103672	0.89054584
Urgcp	0.20220214	0.1656308	0.21246045	-0.0468296	0.84776727	0.89862623
Synrg	0.43651912	0.38951223	0.43636936	-0.0468571	0.6915592	0.89054584
C1galt1c1	0.53944849	0.47820793	0.52511312	-0.0469052	0.66135176	0.89054584
Sgpl1	0.22763125	0.19114698	0.2380555	-0.0469085	0.82070058	0.89054584
Taf7	0.6659635	0.57799357	0.62490329	-0.0469097	0.63673065	0.89054584
Taf10	0.60395177	0.53039396	0.57732257	-0.0469286	0.64754826	0.89054584
Safb2	0.71649598	0.61478412	0.66171661	-0.0469325	0.62946515	0.89054584
0610012G03	1.07867109	0.8277554	0.87472397	-0.0469686	0.59876944	0.89054584
Yipf6	0.41256128	0.36779746	0.41480641	-0.0470089	0.70124542	0.89054584
Rnf220	0.26726746	0.23035912	0.27737061	-0.0470115	0.78513187	0.89054584

Acadvl	0.74068679	0.63168796	0.67870356	-0.0470156	0.62655287	0.89054584
Dnajc17	0.24190156	0.20527342	0.25229347	-0.04702	0.80738189	0.89054584
Wdr13	0.23210732	0.19550127	0.24253102	-0.0470298	0.81685009	0.89054584
Aimp2	0.53973669	0.47827854	0.52535237	-0.0470738	0.66182945	0.89054584
Nhlrc2	0.19405651	0.15710737	0.20420279	-0.0470954	0.85869946	0.90127639
Ubr2	0.41622297	0.37100125	0.41812315	-0.0471219	0.70022795	0.89054584
Brd3	1.16923588	0.86989454	0.91706735	-0.0471728	0.59469928	0.89054584
Parp2	0.35129547	0.31099579	0.35820418	-0.0472084	0.73039577	0.89054584
Nbea	0.4996912	0.44436864	0.49160435	-0.0472357	0.67279835	0.89054584
Kat2a	0.35533803	0.31476382	0.36200174	-0.0472379	0.72838943	0.89054584
Cab39	0.31726823	0.27860079	0.32589896	-0.0472982	0.75053003	0.89054584
Nasp	0.94126737	0.75599983	0.80330331	-0.0473035	0.60809115	0.89054584
Pcbp2	2.37092333	1.08218247	1.12953173	-0.0473493	0.5774209	0.89054584
Polr2e	1.25369804	0.90531017	0.95265944	-0.0473493	0.59155996	0.89054584
Csk	0.28806696	0.25031303	0.2977061	-0.0473931	0.77085823	0.89054584
Rbm6	0.7428827	0.63277314	0.680225	-0.0474519	0.62741074	0.89054584
Zkscan3	0.79953519	0.67079941	0.71827902	-0.0474796	0.62094547	0.89054584
Zfp579	0.31104702	0.2724233	0.31992784	-0.0475045	0.75546342	0.89054584
Polr2l	0.74024768	0.63086463	0.67839891	-0.0475343	0.62795587	0.89054584
Cyb561	0.4971338	0.44186953	0.48941493	-0.0475454	0.67458307	0.89054584
Ndufaf3	0.77258173	0.65290909	0.70046229	-0.0475532	0.62410791	0.89054584
D10Jhu81e	0.49414648	0.43927293	0.48685228	-0.0475793	0.67555739	0.89054584
Tcea1	1.02179568	0.7980839	0.8456991	-0.0476152	0.60345926	0.89054584
Ganab	0.55525231	0.49049699	0.53815507	-0.0476581	0.66004567	0.89054584
Ubl4a	0.62244499	0.54411601	0.59178482	-0.0476688	0.64627462	0.89054584
Hspa14	0.55274656	0.48842438	0.53609777	-0.0476734	0.66067432	0.89054584
2610524H06	0.96928061	0.7707489	0.8184397	-0.0476908	0.60698842	0.89054584
Wrap73	0.27616939	0.23840584	0.28609944	-0.0476936	0.78131998	0.89054584
Mrpl23	1.39562767	0.95646845	1.00416482	-0.0476964	0.58756782	0.89054584
MacroD1	0.29529305	0.25702196	0.3047223	-0.0477003	0.76709003	0.89054584

Fbxl5	0.39924823	0.35493873	0.40268352	-0.0477448	0.70966093	0.89054584
Tbc1d17	0.38744549	0.34401756	0.39185173	-0.0478342	0.71522925	0.89054584
Odf2	0.48132137	0.42794685	0.47579067	-0.0478438	0.68028166	0.89054584
Tbc1d9b	0.30333142	0.26464958	0.31249644	-0.0478469	0.76218182	0.89054584
Pelo	0.42582832	0.37892177	0.42678844	-0.0478667	0.69934789	0.89054584
Nudt3	0.33511242	0.29504073	0.34291441	-0.0478737	0.74229164	0.89054584
Plod3	0.27346409	0.23554938	0.28345082	-0.0479014	0.78445628	0.89054584
Atp6ap2	0.86825453	0.71337338	0.76131629	-0.0479429	0.61538826	0.89054584
Dnaja2	1.32099584	0.93035902	0.97833895	-0.0479799	0.59036535	0.89054584
Epc1	0.35246547	0.31132359	0.35930418	-0.0479806	0.73307622	0.89054584
Trp53bp1	0.47210509	0.41977253	0.46777885	-0.0480063	0.68372077	0.89054584
Rabgap1	0.55480359	0.48976818	0.53778696	-0.0480188	0.66129317	0.89054584
Clock	0.53797602	0.4758635	0.52388992	-0.0480264	0.66534598	0.89054584
Rtn4	1.46787307	0.97850745	1.02653456	-0.0480271	0.58627442	0.89054584
Usp3	0.42554306	0.37849961	0.42653188	-0.0480323	0.70008642	0.89054584
Prr3	0.31257763	0.27334623	0.32139876	-0.0480525	0.7569613	0.89054584
Smad2	0.34657282	0.30569802	0.35375659	-0.0480586	0.7366093	0.89054584
Alyref	0.47995082	0.42653393	0.47460254	-0.0480686	0.68148882	0.89054584
Mtx1	0.46857086	0.41660142	0.46469267	-0.0480913	0.68515242	0.89054584
Dhx36	0.57432497	0.50556173	0.55367931	-0.0481176	0.65721931	0.89054584
Mgat4b	0.23371972	0.19598875	0.24414121	-0.0481525	0.82092405	0.89054584
Msto1	0.28711134	0.24855429	0.2967763	-0.048222	0.77547894	0.89054584
Ctps2	0.43641208	0.38803275	0.43627377	-0.048241	0.69678039	0.89054584
Dut	1.05714128	0.81563983	0.86389452	-0.0482547	0.60265883	0.89054584
Srp14	2.51916771	1.07786364	1.12617678	-0.0483131	0.57920858	0.89054584
Phf20l1	0.59091115	0.51867321	0.56698764	-0.0483144	0.65431628	0.89054584
Srpr	1.42320714	0.96470392	1.01302767	-0.0483238	0.58793734	0.89054584
Nf2	0.30475242	0.26546008	0.31386734	-0.0484073	0.76378814	0.89054584
Fbxl12	0.21972884	0.18171604	0.23013222	-0.0484162	0.83649827	0.89462889
Strbp	0.73757284	0.62810774	0.67654012	-0.0484324	0.6306313	0.89054584

Sec23ip	0.39345751	0.34892799	0.39737887	-0.0484509	0.7149984	0.89054584
Col4a3bp	0.37938744	0.33595628	0.38441346	-0.0484572	0.72149288	0.89054584
Saal1	0.25043145	0.21225712	0.26075948	-0.0485024	0.80691464	0.89054584
Cs	0.45400844	0.4033845	0.45190015	-0.0485157	0.69152595	0.89054584
Ctr9	0.69298399	0.59619444	0.64481004	-0.0486156	0.63730407	0.89054584
Gatad1	0.6517073	0.56555949	0.61419621	-0.0486367	0.64391018	0.89054584
Ipo5	0.49366106	0.43779871	0.48643547	-0.0486368	0.67933108	0.89054584
Wdfy3	0.21227948	0.17398966	0.22263757	-0.0486479	0.84566391	0.89825055
Dalrd3	0.55449532	0.48886513	0.537534	-0.0486689	0.66342372	0.89054584
Skiv2l	0.25394558	0.21552947	0.26423737	-0.0487079	0.80477473	0.89054584
Arrdc4	0.45190153	0.40130919	0.45003872	-0.0487295	0.69303208	0.89054584
Sgcb	0.32460712	0.2841349	0.33291714	-0.0487822	0.75259329	0.89054584
Rmnd5a	0.29074326	0.25147853	0.3003077	-0.0488292	0.77563395	0.89054584
Ndr3	0.57370157	0.50433249	0.55317554	-0.048843	0.65959743	0.89054584
Zfp664	0.72095398	0.61596926	0.66487827	-0.048909	0.63409382	0.89054584
Mta2	0.69652698	0.59844756	0.64738248	-0.0489349	0.63764245	0.89054584
Ogfod2	0.39771607	0.35229578	0.40128182	-0.048986	0.71523206	0.89054584
Pex7	0.71226768	0.60971593	0.65870476	-0.0489888	0.63551358	0.89054584
Ssbp2	0.8635065	0.70944614	0.75845298	-0.0490068	0.61830564	0.89054584
Pithd1	0.44739301	0.39701913	0.44604651	-0.0490274	0.69570578	0.89054584
Chd8	0.53946889	0.47605262	0.52513007	-0.0490774	0.66836898	0.89054584
D430042O09	0.37343645	0.32981144	0.37889693	-0.0490855	0.72693133	0.89054584
Pigx	0.73410835	0.62503906	0.67412496	-0.0490859	0.63278452	0.89054584
Tial1	0.71824446	0.61386852	0.66295834	-0.0490898	0.63494486	0.89054584
Wwox	0.21265596	0.17389479	0.22301693	-0.0491221	0.84759839	0.89862623
Cdc37l1	0.37343933	0.32973602	0.37889959	-0.0491636	0.7272491	0.89054584
Stau1	0.59202491	0.51867756	0.5678747	-0.0491971	0.65675456	0.89054584
Rab4a	0.40046247	0.35454024	0.40379342	-0.0492532	0.7150775	0.89054584
Rpe	0.42905068	0.38042311	0.42968335	-0.0492602	0.70336923	0.89054584
Kctd10	0.50539953	0.44719641	0.49647652	-0.0492801	0.67811893	0.89054584

Prdm2	0.26423894	0.22504236	0.27439225	-0.0493499	0.79896168	0.89054584
Hnrnp1	1.37270456	0.94709832	0.99645875	-0.0493604	0.59125892	0.89054584
Dusp19	0.23496203	0.19599511	0.24538101	-0.0493859	0.82579256	0.89170439
Scap	0.23456054	0.19558897	0.24498041	-0.0493914	0.82621345	0.89170439
Tle3	0.38493816	0.34014006	0.38954116	-0.0494011	0.72268646	0.89054584
Cers2	0.78486631	0.65920698	0.70864733	-0.0494404	0.62742511	0.89054584
Glod4	0.69756108	0.59868546	0.64813163	-0.0494462	0.63886707	0.89054584
Cstf3	0.67854041	0.58477624	0.63423167	-0.0494554	0.64180579	0.89054584
Ncoa1	0.2536112	0.21443517	0.26390669	-0.0494715	0.80876592	0.89054584
Taf12	0.42224558	0.37408857	0.42356263	-0.0494741	0.70684317	0.89054584
ErbB2ip	0.29484964	0.25481799	0.30429253	-0.0494745	0.77562225	0.89054584
Tcf25	1.46711485	0.97681107	1.02631535	-0.0495043	0.58890295	0.89054584
Ndel1	0.64776613	0.56168967	0.61121202	-0.0495224	0.6470924	0.89054584
Unc45a	0.47653484	0.42206	0.4716362	-0.0495762	0.68783618	0.89054584
Kansl3	0.34631183	0.30387984	0.35351045	-0.0496306	0.74347167	0.89054584
Rpa3	0.83531985	0.69145062	0.74111897	-0.0496683	0.62256833	0.89054584
Rasa1	0.33203417	0.29024363	0.33999103	-0.0497474	0.7522841	0.89054584
Bin3	0.39301406	0.34718675	0.39697185	-0.0497851	0.72048669	0.89054584
Rabep1	0.60802335	0.53073659	0.5805266	-0.04979	0.65526828	0.89054584
Tmem33	0.93187723	0.74831257	0.79811636	-0.0498038	0.61436942	0.89054584
Zfp618	0.28054603	0.24054954	0.29037683	-0.0498273	0.7879859	0.89054584
Ehmt1	0.51057268	0.45104416	0.50087417	-0.04983	0.67849692	0.89054584
Tada3	0.47067014	0.41665439	0.46652674	-0.0498723	0.69077462	0.89054584
Blcap	0.55227685	0.48580908	0.53571167	-0.0499026	0.66785197	0.89054584
Gnpat	0.37445433	0.32992694	0.37984189	-0.0499149	0.72980738	0.89054584
Cactin	0.32572906	0.28405191	0.33398758	-0.0499357	0.75696554	0.89054584
Tomm70a	0.56169674	0.49346495	0.54342725	-0.0499623	0.66579808	0.89054584
Emc7	1.21463736	0.88673999	0.93670705	-0.0499671	0.59813525	0.89054584
Fam20b	0.25406369	0.21436999	0.26435417	-0.0499842	0.81081786	0.89054584
Rab35	0.32942211	0.28749871	0.33750647	-0.0500078	0.75499957	0.89054584

Tpcn1	0.45380267	0.40169834	0.45171848	-0.0500201	0.69703738	0.89054584
Tbc1d7	0.2589978	0.21920466	0.26922757	-0.0500229	0.80665582	0.89054584
Brox	0.37325508	0.32864496	0.37872848	-0.0500835	0.7310871	0.89054584
Fbxw2	0.83260073	0.68929197	0.73941628	-0.0501243	0.62393236	0.89054584
Phf14	0.56704616	0.49765633	0.54778286	-0.0501265	0.66506647	0.89054584
Ascc3	0.43675806	0.38644375	0.43658272	-0.050139	0.70369309	0.89054584
Slc44a3	0.60715196	0.52970145	0.57984183	-0.0501404	0.65647818	0.89054584
Zfp644	0.70493839	0.60330542	0.65345411	-0.0501487	0.63965839	0.89054584
Gpaa1	0.48655917	0.43016878	0.4803206	-0.0501518	0.6866777	0.89054584
Slk	0.22829479	0.18856545	0.2387195	-0.0501541	0.83616694	0.89462889
Noc4l	0.25126408	0.21142319	0.26158405	-0.0501609	0.81417574	0.89054584
Fmr1	0.45405671	0.401734	0.45194278	-0.0502088	0.69762679	0.89054584
Baz1b	0.96178523	0.76421316	0.81444484	-0.0502317	0.61307583	0.89054584
Src	0.22270635	0.18288837	0.2331209	-0.0502325	0.84228694	0.89691028
AW209491	0.33168493	0.2893757	0.33965905	-0.0502833	0.75481256	0.89054584
Zbtb8os	0.42263677	0.37359933	0.42391522	-0.0503159	0.70986317	0.89054584
Mrps2	0.19060565	0.15035288	0.20069586	-0.050343	0.87872943	0.91059794
Psmb5	2.20162956	1.07696675	1.12731064	-0.0503439	0.58240927	0.89054584
Pde12	0.32254228	0.28053653	0.33094536	-0.0504088	0.76103601	0.89054584
BC031181	1.41933327	0.9613855	1.0118097	-0.0504242	0.59180144	0.89054584
Klhdc3	0.32650434	0.28416928	0.33472689	-0.0505576	0.75918799	0.89054584
Mkln1	0.98672221	0.77707369	0.82763258	-0.0505589	0.61202777	0.89054584
Uckl1	0.31462358	0.27280126	0.32336305	-0.0505618	0.76684093	0.89054584
Rnf167	0.49329403	0.43555031	0.48612022	-0.0505699	0.68604065	0.89054584
4932438A13	0.39416917	0.34745635	0.39803181	-0.0505755	0.72306905	0.89054584
Atp13a1	0.25704046	0.21669759	0.2672955	-0.0505979	0.8110894	0.89054584
Zmynd11	0.79977582	0.66783665	0.71843572	-0.0505991	0.62859215	0.89054584
Mrps18c	0.97229803	0.76942993	0.82004217	-0.0506122	0.61315269	0.89054584
Cramp1l	0.44153962	0.39019804	0.44084531	-0.0506473	0.70376166	0.89054584
Tfam	0.41142998	0.36313043	0.41378021	-0.0506498	0.71575916	0.89054584

Pfkl	0.88986133	0.72343394	0.77413783	-0.0507039	0.61987319	0.89054584
Adrm1	1.08069539	0.824997	0.87572854	-0.0507315	0.60637971	0.89054584
Suv420h1	0.46607709	0.41176674	0.46251102	-0.0507443	0.69537857	0.89054584
2700029M09	0.6477315	0.56043324	0.61118575	-0.0507525	0.65057592	0.89054584
Zfp1	0.38852635	0.34208697	0.39284669	-0.0507597	0.72640687	0.89054584
Slc25a53	0.27049773	0.22975127	0.28054251	-0.0507912	0.80052136	0.89054584
Faf2	0.78731206	0.65944597	0.7102641	-0.0508181	0.63056078	0.89054584
Sars	1.2000611	0.87968016	0.93052054	-0.0508404	0.60046397	0.89054584
Aimp1	1.23804881	0.89547094	0.94631897	-0.050848	0.59883634	0.89054584
Psmc5	1.67499821	1.02582449	1.07669691	-0.0508724	0.58711444	0.89054584
Clip1	0.43791896	0.38674158	0.43761887	-0.0508773	0.70596864	0.89054584
Htra2	0.31524876	0.27303994	0.32396285	-0.0509229	0.76801559	0.89054584
Ebp	0.4430556	0.39125059	0.44219434	-0.0509438	0.70427682	0.89054584
Wdr92	0.23830013	0.19776197	0.24870886	-0.0509469	0.83005007	0.89271879
Pds5a	0.45406445	0.40099929	0.45194961	-0.0509503	0.70028609	0.89054584
Nom1	0.33647078	0.29324619	0.34420289	-0.0509567	0.75481544	0.89054584
Exosc1	0.44484977	0.39283071	0.44378915	-0.0509584	0.70366353	0.89054584
Hipk2	0.40198423	0.3542211	0.40518322	-0.0509621	0.72105575	0.89054584
Ift57	0.64634848	0.55907631	0.61013596	-0.0510597	0.65168986	0.89054584
Katnbl1	0.31474579	0.27241129	0.32348032	-0.051069	0.76898983	0.89054584
Fam63b	0.27892233	0.23770707	0.28879104	-0.051084	0.79506306	0.89054584
Ctnnbl1	0.67450345	0.58011544	0.6312495	-0.0511341	0.64706008	0.89054584
Ppat	0.27959217	0.23826199	0.2894454	-0.0511834	0.79498848	0.89054584
Jkamp	0.79313364	0.66286572	0.714095	-0.0512293	0.63089818	0.89054584
Angel2	0.46360325	0.40908793	0.4603432	-0.0512553	0.69802656	0.89054584
Zfp62	0.38272606	0.33622994	0.38749971	-0.0512698	0.73119155	0.89054584
Mtx2	1.03106529	0.79920766	0.85049431	-0.0512866	0.61062342	0.89054584
Setd1b	0.41785259	0.3683039	0.41959707	-0.0512932	0.71550074	0.89054584
Srp68	0.78968671	0.6605313	0.71182973	-0.0512984	0.63147006	0.89054584
Elovl1	0.58203926	0.50857787	0.55989188	-0.051314	0.66530715	0.89054584

Ddx49	0.32017413	0.27736202	0.32868121	-0.0513192	0.76651918	0.89054584
Zc2hc1a	0.34573066	0.3016268	0.35296222	-0.0513354	0.75098867	0.89054584
Tmem261	0.79440339	0.66351331	0.71492727	-0.051414	0.6312054	0.89054584
Ttc4	0.40746013	0.35875348	0.41017332	-0.0514198	0.72040689	0.89054584
Akap9	1.14386198	0.85425332	0.90568596	-0.0514326	0.60433147	0.89054584
Elf2	0.77524523	0.65078512	0.70224625	-0.0514611	0.63360277	0.89054584
Twf1	0.59467436	0.51850037	0.56998153	-0.0514812	0.66304911	0.89054584
Rnf25	0.23573417	0.19460132	0.24615124	-0.0515499	0.8353917	0.89459411
Nup35	0.39488857	0.34712645	0.39869157	-0.0515651	0.726602	0.89054584
Rcor3	0.34241394	0.29826213	0.34983003	-0.0515679	0.75388529	0.89054584
Mtch2	1.51090155	0.98694439	1.03852175	-0.0515774	0.59149121	0.89054584
Rspry1	0.38072318	0.33402731	0.38564898	-0.0516217	0.73356473	0.89054584
Rpf1	0.6368141	0.55122661	0.60286291	-0.0516363	0.65507062	0.89054584
Eif1ad	0.33393487	0.29011047	0.34179669	-0.0516862	0.75944591	0.89054584
Ube2m	0.39076142	0.34318141	0.39490261	-0.0517212	0.72913235	0.89054584
Nit2	0.76755495	0.64532747	0.69708144	-0.051754	0.63529011	0.89054584
4930402H24	0.40007487	0.35160441	0.40343922	-0.0518348	0.72527735	0.89054584
Gin1	0.25774866	0.21613704	0.26799471	-0.0518577	0.8163433	0.89054584
Gm14698	0.42204669	0.37152406	0.42338334	-0.0518593	0.71588603	0.89054584
Wdr43	0.65610276	0.56561647	0.6175122	-0.0518957	0.65229999	0.89054584
Man1a2	0.51810298	0.45525578	0.50724529	-0.0519895	0.68350145	0.89054584
Ube2f	0.47225509	0.41588889	0.46790966	-0.0520208	0.69775934	0.89054584
Ppp4r2	0.57373101	0.50117838	0.55319933	-0.052021	0.66934698	0.89054584
Tra2b	1.83563196	1.05046524	1.10249299	-0.0520278	0.58700995	0.89054584
Psm6	1.72146948	1.03330351	1.08534312	-0.0520396	0.5883821	0.89054584
Hspa2	0.28160364	0.23934552	0.29140904	-0.0520635	0.79740065	0.89054584
Ngly1	0.33594442	0.29159177	0.34370369	-0.0521119	0.76002492	0.89054584
Triap1	0.53535759	0.46958424	0.5217113	-0.0521271	0.6792135	0.89054584
Api5	0.51324855	0.45098113	0.50314225	-0.0521611	0.68545062	0.89054584
Meaf6	0.58517726	0.51014319	0.56240767	-0.0522645	0.66747623	0.89054584

Slu7	0.48670167	0.4281227	0.4804436	-0.0523209	0.69405043	0.89054584
B3galt6	0.36233203	0.31620715	0.36855091	-0.0523438	0.74591506	0.89054584
Zfp638	0.7746836	0.64951068	0.70187051	-0.0523598	0.63591427	0.89054584
I7Rn6	0.85155391	0.69873519	0.75117362	-0.0524384	0.62749821	0.89054584
Cul3	0.36112629	0.31493369	0.36742375	-0.0524901	0.74715866	0.89054584
Nol12	0.51271656	0.45019123	0.50269169	-0.0525005	0.68671979	0.89054584
Ppil2	0.78301784	0.65491182	0.70742273	-0.0525109	0.6352633	0.89054584
Slc35f5	0.47753191	0.41998019	0.47250278	-0.0525226	0.69772894	0.89054584
Scmh1	0.37795999	0.33052299	0.38309202	-0.052569	0.73869062	0.89054584
Txndc15	0.95339829	0.75727987	0.80992608	-0.0526462	0.61899298	0.89054584
Eed	0.45018048	0.395864	0.4485162	-0.0526522	0.70778392	0.89054584
Ttc13	0.34324379	0.29794919	0.35061426	-0.0526651	0.7579771	0.89054584
Psmc2	1.48626901	0.97909018	1.03176341	-0.0526732	0.59399999	0.89054584
Prrc2a	0.56918564	0.49683715	0.54951957	-0.0526824	0.67243701	0.89054584
Wbp1l	0.28771136	0.24466385	0.29736016	-0.0526963	0.79549257	0.89054584
Ubp2	0.4931984	0.43332819	0.48603807	-0.0527099	0.69330944	0.89054584
Ampd2	0.29585788	0.2525344	0.30526964	-0.0527352	0.78954132	0.89054584
Gm26699	0.67279545	0.57724155	0.62998434	-0.0527428	0.65175029	0.89054584
Cd2bp2	0.34883442	0.30310752	0.35588796	-0.0527804	0.75520167	0.89054584
Hdgf	1.07182575	0.81848541	0.87131368	-0.0528283	0.61121011	0.89054584
Zswim8	0.25781606	0.2151439	0.26806125	-0.0529174	0.82113805	0.89054584
Daxx	0.27533855	0.23235739	0.28528639	-0.052929	0.80630776	0.89054584
Rnf11	0.52721689	0.46189079	0.51490971	-0.0530189	0.68428643	0.89054584
Mrpl52	1.74920005	1.03703315	1.09005429	-0.0530211	0.58963832	0.89054584
Man2c1	0.24830953	0.20560318	0.25865662	-0.0530534	0.8303634	0.89271879
Ica1	0.49614062	0.43543685	0.48856354	-0.0531267	0.69378787	0.89054584
Zcchc3	0.56086229	0.48960194	0.54274613	-0.0531442	0.67587353	0.89054584
2010320M18	0.37594268	0.32796354	0.38122259	-0.053259	0.74243853	0.89054584
Ttc14	0.94420622	0.75164203	0.8049144	-0.0532724	0.6210908	0.89054584
Prmt2	0.65071762	0.56015507	0.61344785	-0.0532928	0.65716631	0.89054584

Hirip3	0.31874374	0.27401123	0.32731223	-0.053301	0.77597888	0.89054584
Tmcc1	0.40502714	0.35464432	0.4079583	-0.053314	0.7286891	0.89054584
Dnm1l	0.5873335	0.51081705	0.56413256	-0.0533155	0.6701441	0.89054584
Mettl3	0.26959276	0.22624937	0.2796544	-0.053405	0.81318875	0.89054584
Med31	0.74940567	0.63128617	0.68472397	-0.0534378	0.64192052	0.89054584
Txn1	2.52395202	1.07251621	1.12599262	-0.0534764	0.58755719	0.89054584
Dhx32	0.29717877	0.25301811	0.30654897	-0.0535309	0.79205254	0.89054584
Mib1	0.31295405	0.26822927	0.32176032	-0.053531	0.78086116	0.89054584
Atp6v1d	0.8629244	0.70445606	0.75810091	-0.0536448	0.62917786	0.89054584
Btbd1	0.74460124	0.62774395	0.68141327	-0.0536693	0.64317054	0.89054584
Ppp2r2d	0.25948343	0.21598772	0.26970666	-0.0537189	0.82328235	0.89080883
Cdc123	0.87054446	0.70896484	0.76269143	-0.0537266	0.62861665	0.89054584
Ccdc53	0.5790691	0.50376821	0.5575046	-0.0537364	0.67330687	0.89054584
Amfr	0.57668699	0.50180752	0.55558572	-0.0537782	0.67399247	0.89054584
Mvb12a	0.60105743	0.52122524	0.57503813	-0.0538129	0.66857815	0.89054584
Tmem131	0.2595528	0.21595403	0.26977509	-0.0538211	0.82367845	0.89097143
Fbxw9	0.3724151	0.32411167	0.37794816	-0.0538365	0.74653922	0.89054584
Ndufs4	1.63285075	1.01421966	1.06806735	-0.0538477	0.59285108	0.89054584
Stk25	0.74451781	0.62750067	0.68135563	-0.053855	0.64365543	0.89054584
Ranbp3	0.48382248	0.42404718	0.47795588	-0.0539087	0.7003761	0.89054584
Csnk2a1	1.06219735	0.81255451	0.86646542	-0.0539109	0.61404455	0.89054584
Nbr1	0.62630235	0.54085322	0.59477201	-0.0539188	0.66361678	0.89054584
Rabepk	0.30146965	0.25673639	0.31069877	-0.0539624	0.79079082	0.89054584
Plekha5	0.30174531	0.2569043	0.31096505	-0.0540608	0.79101529	0.89054584
Hexim1	0.32282325	0.27709886	0.33121379	-0.0541149	0.7767297	0.89054584
Peli1	0.52417761	0.45821375	0.51235947	-0.0541457	0.68876511	0.89054584
Kmt2a	0.66784316	0.57213915	0.62630448	-0.0541653	0.65649791	0.89054584
Polr2f	1.61175745	1.00924857	1.06344129	-0.0541927	0.59383396	0.89054584
Sms	0.73713825	0.62198535	0.67623763	-0.0542523	0.64571276	0.89054584
Nme2	0.21306346	0.16912471	0.22342748	-0.0543028	0.8712519	0.90632203

Pigyl	0.82960266	0.68318793	0.73753264	-0.0543447	0.63431047	0.89054584
Ppp3r1	0.72963726	0.61654291	0.67099578	-0.0544529	0.64731588	0.89054584
Prpf8	0.46931265	0.41088807	0.46534106	-0.054453	0.7071841	0.89054584
Caprin1	1.3015014	0.91666148	0.97113218	-0.0544707	0.60307694	0.89054584
Gar1	0.61070597	0.5281284	0.58263149	-0.0545031	0.66851897	0.89054584
Terf2ip	0.42429545	0.37086286	0.42540921	-0.0545463	0.72487101	0.89054584
Hdhd2	0.51018394	0.44589792	0.50054429	-0.0546464	0.69449586	0.89054584
Ppp2r4	0.67609489	0.57772641	0.63242649	-0.0547001	0.65651226	0.89054584
Tmem29	0.3183688	0.27218577	0.32695321	-0.0547674	0.78242587	0.89054584
1810026J23F	0.39733925	0.34616306	0.40093688	-0.0547738	0.73776795	0.89054584
Mrpl41	1.2063713	0.87840337	0.9332165	-0.0548131	0.60782172	0.89054584
Phf23	0.6535818	0.56073205	0.61561177	-0.0548797	0.66104945	0.89054584
Fam98a	0.2395439	0.19505949	0.2499475	-0.054888	0.84686848	0.89836096
Larp4	0.37070441	0.32142408	0.37635776	-0.0549337	0.75175575	0.89054584
Atg12	0.45885005	0.40122769	0.45616754	-0.0549399	0.71263976	0.89054584
Ctu2	0.27075636	0.22584707	0.28079625	-0.0549492	0.81903953	0.89054584
Cdv3	0.83459527	0.68569939	0.74066577	-0.0549664	0.63523468	0.89054584
Sft2d1	0.39242664	0.34144574	0.39643254	-0.0549868	0.74092962	0.89054584
lars2	0.37559481	0.32587064	0.38089998	-0.0550293	0.74955373	0.89054584
Ythdf1	0.33962104	0.29215698	0.34718798	-0.055031	0.76988403	0.89054584
Ube2d1	0.50900892	0.44449876	0.49954661	-0.0550479	0.69616247	0.89054584
Ccdc115	0.7555646	0.63389035	0.6889437	-0.0550533	0.6451634	0.89054584
Kpna3	0.37694365	0.3269878	0.38215046	-0.0551627	0.74937009	0.89054584
Vps4a	0.417015	0.36362032	0.4188397	-0.0552194	0.73046829	0.89054584
Prkaca	0.60422571	0.52231888	0.5775385	-0.0552196	0.67200299	0.89054584
Trim26	0.40554135	0.35320705	0.40842673	-0.0552197	0.7356178	0.89054584
Suds3	0.71492146	0.6053453	0.66059655	-0.0552512	0.6516084	0.89054584
Taf11	0.60540734	0.52319153	0.57846929	-0.0552778	0.67191321	0.89054584
Ctcf	0.58122209	0.50393238	0.55923565	-0.0553033	0.6775026	0.89054584
Rnf114	0.45720087	0.39934535	0.45471555	-0.0553702	0.7147496	0.89054584

Wapl	0.64148772	0.55102611	0.6064359	-0.0554098	0.66483148	0.89054584
Harbi1	0.21435595	0.1692846	0.22472915	-0.0554446	0.87481291	0.90828873
Gtf2b	0.86413017	0.70329791	0.75882992	-0.055532	0.63342807	0.89054584
Ppp2r5e	0.43862398	0.3826982	0.43824774	-0.0555495	0.72258506	0.89054584
Metap1	0.48329085	0.42192073	0.47749597	-0.0555752	0.70617656	0.89054584
Rufy1	0.32021278	0.27313249	0.32871819	-0.0555857	0.78459874	0.89054584
Kif1bp	0.58644106	0.5078303	0.56341902	-0.0555887	0.67712204	0.89054584
Rab11fip2	0.29989197	0.25356195	0.30917405	-0.0556121	0.79898978	0.89054584
Ppid	1.25871949	0.89900241	0.95466783	-0.0556654	0.60705699	0.89054584
Gtf2h3	0.4532689	0.39555712	0.45124708	-0.05569	0.71734623	0.89054584
Cnot11	0.27798563	0.2321854	0.28787563	-0.0556902	0.81628117	0.89054584
Fbxo18	0.49355244	0.43061574	0.48634218	-0.0557264	0.70327197	0.89054584
Arfip1	0.41847834	0.3644228	0.42016263	-0.0557398	0.73173434	0.89054584
Atxn2l	0.41389276	0.36020384	0.41601324	-0.0558094	0.73401798	0.89054584
Bace1	0.60054187	0.51881998	0.57463062	-0.0558106	0.67454442	0.89054584
Napg	0.42593642	0.37106881	0.42688566	-0.0558169	0.72879528	0.89054584
Dr1	0.29970326	0.25310817	0.30899158	-0.0558834	0.800275	0.89054584
Srprb	0.68183287	0.58074988	0.63665576	-0.0559059	0.65877051	0.89054584
Tecpr1	0.47091228	0.41082524	0.46673812	-0.0559129	0.71161797	0.89054584
Pik3c2a	0.37722141	0.32649361	0.38240784	-0.0559142	0.75213157	0.89054584
Tpp2	0.60808296	0.52455104	0.58057343	-0.0560224	0.67348766	0.89054584
AU022252	0.28219339	0.23596108	0.29198439	-0.0560233	0.81431639	0.89054584
Ankrd13c	0.37022617	0.31988952	0.37591286	-0.0560233	0.75626393	0.89054584
Coq4	0.29785929	0.25118247	0.30720773	-0.0560253	0.80223954	0.89054584
Alkbh1	0.53113691	0.46216112	0.51819023	-0.0560291	0.6927801	0.89054584
Mydgf	1.45085535	0.96547901	1.0215297	-0.0560507	0.60088295	0.89054584
Phrf1	0.40303239	0.35006153	0.40613972	-0.0560782	0.73998154	0.89054584
Marveld3	0.35184756	0.3025841	0.35872333	-0.0561392	0.76703332	0.89054584
Grb7	0.38339953	0.33195903	0.38812151	-0.0561625	0.74989661	0.89054584
Creb3	0.67881327	0.57822041	0.63443282	-0.0562124	0.66012137	0.89054584

Tnks2	0.67638707	0.57641708	0.63264239	-0.0562253	0.66058403	0.89054584
Ikbb	0.36084197	0.31089928	0.36715785	-0.0562586	0.76234823	0.89054584
Chchd3	0.94725919	0.75031954	0.80658579	-0.0562662	0.62740982	0.89054584
Polr2d	0.79899277	0.66162644	0.71792566	-0.0562992	0.64257525	0.89054584
Ivd	0.49250906	0.42914493	0.48544571	-0.0563008	0.70551606	0.89054584
Chmp3	0.73742353	0.62013272	0.67643621	-0.0563035	0.65091399	0.89054584
Pdcd11	0.42284322	0.36776952	0.42410126	-0.0563317	0.73198556	0.89054584
Tsen54	0.21056581	0.16457037	0.22091001	-0.0563396	0.88262074	0.91245261
Sun1	0.43194295	0.37592434	0.43227652	-0.0563522	0.72818942	0.89054584
9930021J03F	0.29644546	0.24943615	0.30583883	-0.0564027	0.80488497	0.89054584
Eif4e2	1.13500004	0.84523086	0.90163671	-0.0564059	0.61465045	0.89054584
Epm2aip1	0.47091308	0.41032042	0.46673881	-0.0564184	0.71333803	0.89054584
Klhdc2	1.31017545	0.917942	0.97436735	-0.0564254	0.60634219	0.89054584
Psm3	2.58968481	1.06658536	1.12304631	-0.056461	0.5925958	0.89054584
Chfr	0.40269981	0.34927081	0.40583629	-0.0565655	0.74194828	0.89054584
Hmg20b	0.74648539	0.62612142	0.68271361	-0.0565922	0.65032339	0.89054584
Rpl15	4.05013876	0.89524928	0.95195978	-0.0567105	0.60931884	0.89054584
Actr1b	0.70642354	0.59776642	0.65452098	-0.0567546	0.65688784	0.89054584
Rab5b	0.33049918	0.28175683	0.3385314	-0.0567746	0.78269981	0.89054584
Nfat5	0.72439498	0.61050414	0.66730897	-0.0568048	0.65416634	0.89054584
Gt(ROSA)26 ⁺	0.49553239	0.43118638	0.48804185	-0.0568555	0.70635013	0.89054584
Atxn2	0.40418027	0.35031959	0.4071865	-0.0568669	0.7423667	0.89054584
Ube2z	0.30926123	0.26129924	0.31821035	-0.0569111	0.79764525	0.89054584
Yme1l1	0.87734675	0.70982435	0.76675354	-0.0569292	0.63529583	0.89054584
Polg	0.22756934	0.18103462	0.23799353	-0.0569589	0.8675797	0.90444517
Rtcb	1.04556092	0.8009855	0.85797861	-0.0569931	0.62152194	0.89054584
Pgd	0.45403525	0.39491597	0.45192383	-0.0570079	0.72163364	0.89054584
Irf2bp2	0.69168018	0.5868398	0.64386116	-0.0570214	0.66005132	0.89054584
Mrps31	0.42204183	0.36634864	0.42337896	-0.0570303	0.73485793	0.89054584
Zfp148	0.76281337	0.63681571	0.69387562	-0.0570599	0.64918521	0.89054584

Ndufa11	2.2714458	1.07156772	1.12873131	-0.0571636	0.59326347	0.89054584
Casc4	0.57432973	0.49643242	0.55368315	-0.0572507	0.68500242	0.89054584
Rnf115	0.54946323	0.47606928	0.53339585	-0.0573266	0.69171534	0.89054584
Rab9	0.56634864	0.48986915	0.54721599	-0.0573468	0.6873119	0.89054584
Gorasp2	0.97923805	0.76633792	0.82371306	-0.0573751	0.62722598	0.89054584
Cflar	0.44875343	0.38986717	0.44725242	-0.0573852	0.72500361	0.89054584
Usp4	0.44462141	0.38616619	0.44358627	-0.0574201	0.72677135	0.89054584
9530068E07I	1.2951969	0.91126218	0.96875199	-0.0574898	0.60891072	0.89054584
Otud4	0.20715508	0.15997682	0.21746778	-0.057491	0.89096249	0.91722772
5031425E22I	0.41783439	0.36206913	0.41958062	-0.0575115	0.73845721	0.89054584
Fam76b	0.22938775	0.18229251	0.2398128	-0.0575203	0.86810332	0.90466949
Nol7	1.36640825	0.93679187	0.99433837	-0.0575465	0.60627843	0.89054584
Clk4	0.60380843	0.51966224	0.57720957	-0.0575473	0.67885261	0.89054584
Vta1	0.68166726	0.57897145	0.636534	-0.0575626	0.66323702	0.89054584
Zfp830	0.45127143	0.39188754	0.44948151	-0.057594	0.72473626	0.89054584
Sec13	1.09623115	0.82575175	0.88334696	-0.0575952	0.61934775	0.89054584
Fam207a	0.37507436	0.32279931	0.38041722	-0.0576179	0.75979469	0.89054584
Xrcc5	0.4051262	0.35040311	0.40804855	-0.0576454	0.74478664	0.89054584
Phax	0.85223422	0.69382391	0.75159077	-0.0577669	0.63985965	0.89054584
Pnkd	0.98020074	0.76642238	0.82421951	-0.0577971	0.62805302	0.89054584
Thoc5	0.27211826	0.22423261	0.28213185	-0.0578992	0.83049175	0.89271879
Vps72	1.01273527	0.78317004	0.84108843	-0.0579184	0.62582679	0.89054584
Pcif1	0.70791244	0.59761627	0.65558918	-0.0579729	0.65982448	0.89054584
Eif3b	1.04297506	0.79867516	0.856654	-0.0579788	0.6237406	0.89054584
Stau2	0.35683399	0.30542068	0.36340479	-0.0579841	0.77137144	0.89054584
Arl3	1.44982322	0.9631944	1.02121968	-0.0580253	0.60438707	0.89054584
Ccdc12	1.26552732	0.89931432	0.95736562	-0.0580513	0.61122066	0.89054584
Taok2	0.41843111	0.36202437	0.42011994	-0.0580956	0.74029454	0.89054584
Dad1	2.79323574	1.05285825	1.11095429	-0.058096	0.59624279	0.89054584
Spn	0.33467339	0.28434327	0.34249777	-0.0581545	0.78554732	0.89054584

Gnl1	0.44017525	0.38144324	0.43963041	-0.0581872	0.73126159	0.89054584
Rab28	0.84371012	0.68813601	0.74633951	-0.0582035	0.64182037	0.89054584
Scarb2	0.38176646	0.32834806	0.38661329	-0.0582652	0.75870215	0.89054584
Surf2	0.32137553	0.27143934	0.32983022	-0.0583909	0.79525371	0.89054584
Anapc5	1.85741012	1.04668023	1.1050954	-0.0584152	0.59726373	0.89054584
Amd1	0.92244213	0.73433489	0.79283928	-0.0585044	0.63449708	0.89054584
Suz12	0.33517462	0.28446111	0.34297343	-0.0585123	0.78664368	0.89054584
Rnf138	0.61706768	0.52906928	0.58760359	-0.0585343	0.67871261	0.89054584
Thap4	0.30814849	0.25858676	0.31713949	-0.0585527	0.80515218	0.89054584
Vps26a	0.34911088	0.29754971	0.35614832	-0.0585986	0.77832708	0.89054584
Prpf4	0.37610536	0.32275422	0.38137342	-0.0586192	0.76303673	0.89054584
Abr	0.32200797	0.2717565	0.33043476	-0.0586783	0.79597497	0.89054584
Rnaseh2b	0.32208057	0.27178949	0.33050416	-0.0587147	0.79607112	0.89054584
Rbm22	0.78307713	0.6486937	0.70746205	-0.0587683	0.65062737	0.89054584
Ube2j2	0.9827255	0.76675208	0.82554452	-0.0587924	0.6299775	0.89054584
Dazap1	1.28845292	0.90739601	0.96621241	-0.0588164	0.61164325	0.89054584
Bag6	0.96712968	0.75842119	0.81729751	-0.0588763	0.63142124	0.89054584
Ctnnd1	0.43649795	0.3774713	0.43635045	-0.0588791	0.73521297	0.89054584
Pak4	0.36272441	0.31000698	0.36891761	-0.0589106	0.77155065	0.89054584
Pten	0.38796182	0.33336437	0.39232712	-0.0589627	0.75809601	0.89054584
Ap3s1	1.17656194	0.8612821	0.92030143	-0.0590193	0.61744602	0.89054584
Parg	0.30199535	0.25203992	0.31120655	-0.0591666	0.81212616	0.89054584
Adprh	0.82847683	0.67765256	0.73682359	-0.059171	0.6458495	0.89054584
Gkap1	0.38341726	0.32896631	0.38813788	-0.0591716	0.76122696	0.89054584
Hmces	0.38033598	0.32608585	0.38529093	-0.0592051	0.76297604	0.89054584
Med21	0.91768309	0.73090823	0.7901527	-0.0592445	0.63657562	0.89054584
Pnn	1.4860522	0.97243472	1.03170253	-0.0592678	0.60551192	0.89054584
Bri3bp	0.43140788	0.37247151	0.43179715	-0.0593256	0.73894721	0.89054584
Map1lc3a	1.36065123	0.93295877	0.9923791	-0.0594203	0.6098629	0.89054584
Rrp1	1.59315938	0.99977749	1.05920047	-0.059423	0.60309821	0.89054584

Med7	0.53279538	0.46014646	0.51957516	-0.0594287	0.70294409	0.89054584
Cog8	0.57661308	0.49608717	0.55552612	-0.059439	0.6909296	0.89054584
Dusp12	0.27059525	0.22119268	0.28063819	-0.0594455	0.83814658	0.89497393
Mfap1b	0.42241356	0.36424054	0.42371405	-0.0594735	0.74342478	0.89054584
Herc1	0.51139004	0.44208936	0.50156744	-0.0594781	0.70968948	0.89054584
Nabp2	0.73631602	0.61615504	0.67566496	-0.0595099	0.6592222	0.89054584
Tmem107	0.60169045	0.51602729	0.57553824	-0.059511	0.6850036	0.89054584
Vipas39	0.26991193	0.2203819	0.27996767	-0.0595858	0.83929548	0.89504222
Zfp280d	0.5183353	0.44784333	0.50744127	-0.0595979	0.70787355	0.89054584
Mpc1	1.18191631	0.86302462	0.92264304	-0.0596184	0.61831059	0.89054584
Snrpb2	1.2068426	0.87378614	0.93341683	-0.0596307	0.61700845	0.89054584
Dhx15	0.72889268	0.61083689	0.67047333	-0.0596364	0.6607086	0.89054584
Lsm14a	0.61026329	0.52262807	0.58228448	-0.0596564	0.68343268	0.89054584
Ahcyl2	0.31022786	0.25942211	0.31914013	-0.059718	0.80833814	0.89054584
Ndufs1	0.77768424	0.64406032	0.70387533	-0.059815	0.65391604	0.89054584
Sdccag3	0.47711039	0.41229676	0.4721365	-0.0598397	0.72256743	0.89054584
Ppm1d	0.31404021	0.26292527	0.32280319	-0.0598779	0.80626198	0.89054584
Fam173b	0.31078444	0.25974713	0.31967538	-0.0599282	0.8087755	0.89054584
Hdac3	0.75542505	0.6287907	0.68884839	-0.0600577	0.65769954	0.89054584
Hipk1	0.33775508	0.28536087	0.34542049	-0.0600596	0.79104959	0.89054584
Rnpep	0.60187039	0.51557921	0.57568036	-0.0601012	0.68665624	0.89054584
Leng8	0.29978992	0.24894031	0.30907537	-0.0601351	0.81765484	0.89054584
2810004N23	0.65314954	0.55510853	0.61528555	-0.060177	0.67568286	0.89054584
Ing2	0.58599885	0.50284172	0.56306527	-0.0602235	0.69086528	0.89054584
Mrps18a	1.14202973	0.84454136	0.90485302	-0.0603117	0.62192291	0.89054584
Tspsyl2	0.34050191	0.28767966	0.34802172	-0.0603421	0.79039563	0.89054584
Ctdsp2	0.46037772	0.39715752	0.45751109	-0.0603536	0.73058868	0.89054584
Rbbp4	1.56281626	0.99151723	1.05194358	-0.0604263	0.60550468	0.89054584
Snhg20	0.37274097	0.31774476	0.37825093	-0.0605062	0.77194225	0.89054584
Apool	0.34094576	0.2879062	0.34844166	-0.0605355	0.7908595	0.89054584

Pspc1	0.35515778	0.30124696	0.3618326	-0.0605856	0.78233344	0.89054584
Ndufaf7	0.32350673	0.27125436	0.33186661	-0.0606123	0.8025906	0.89054584
Copa	1.16252893	0.85337786	0.91407594	-0.0606981	0.62148041	0.89054584
Edf1	2.51087123	1.06577862	1.12648628	-0.0607077	0.59912224	0.89054584
Pgm2	0.46248362	0.39860619	0.45936084	-0.0607547	0.73111457	0.89054584
Usp48	0.46614592	0.4017812	0.46257128	-0.0607901	0.72981963	0.89054584
Snapi	0.43685259	0.37587075	0.43666712	-0.0607964	0.74171959	0.89054584
Chid1	0.58958686	0.50513249	0.56593181	-0.0607993	0.69164568	0.89054584
Arf5	3.33188848	0.99697674	1.05788224	-0.0609055	0.60573863	0.89054584
Abhd8	0.41713186	0.35803579	0.41894539	-0.0609096	0.75090927	0.89054584
Bre	0.56438198	0.48453582	0.54561598	-0.0610802	0.69900999	0.89054584
Mcee	0.70515174	0.59248047	0.65360746	-0.061127	0.66847851	0.89054584
Mkl2	0.27627635	0.22503253	0.28620408	-0.0611716	0.84032011	0.89576177
Safb	0.95538882	0.74981066	0.81100321	-0.0611925	0.63740485	0.89054584
Tm9sf3	1.41529957	0.94919258	1.01053238	-0.0613398	0.61133492	0.89054584
Nmd3	0.56026545	0.48090595	0.54225867	-0.0613527	0.70094701	0.89054584
Rilpl2	0.36142022	0.3063219	0.3676986	-0.0613767	0.78162001	0.89054584
Wdr74	0.43488467	0.37349186	0.43490896	-0.0614171	0.7447077	0.89054584
Farsa	0.75061	0.62408448	0.68555125	-0.0614668	0.66192493	0.89054584
Capn10	0.46179668	0.39727987	0.45875775	-0.0614779	0.73379856	0.89054584
Hiatl1	0.31382841	0.26107615	0.32259988	-0.0615237	0.81286863	0.89054584
Hnrnpdl	1.4757664	0.967255	1.02879774	-0.0615427	0.60976175	0.89054584
Gtpbp4	0.6611232	0.5597218	0.62128372	-0.0615619	0.67783254	0.89054584
Nars	0.82258762	0.67149816	0.73309943	-0.0616013	0.65228024	0.89054584
Nudt14	0.62481879	0.53194668	0.59362433	-0.0616777	0.68583001	0.89054584
Zfp871	0.28172938	0.22979874	0.29153172	-0.061733	0.83806812	0.89497393
Dennd4c	0.31556185	0.26244448	0.32426315	-0.0618187	0.8127826	0.89054584
Mphosph8	0.70694608	0.59306506	0.65489605	-0.061831	0.66998317	0.89054584
Ywhag	0.97160984	0.75783271	0.81967625	-0.0618435	0.63739759	0.89054584
Lrrc8d	0.22213963	0.17065821	0.23255235	-0.0618941	0.89250931	0.91822311

Zmpste24	0.56481281	0.48405283	0.54596671	-0.0619139	0.70136646	0.89054584
Sdhc	1.04998193	0.79820472	0.86023271	-0.062028	0.63154116	0.89054584
Zc3h13	0.69452652	0.58390046	0.64593111	-0.0620307	0.6727111	0.89054584
1810030007	0.32288151	0.26921523	0.33126946	-0.0620542	0.80859338	0.89054584
Pgpep1	0.29149627	0.23890826	0.30103905	-0.0621308	0.83186181	0.8933762
Slc50a1	0.66436641	0.56156256	0.62371079	-0.0621482	0.67875835	0.89054584
Nptn	1.05031981	0.798248	0.86040444	-0.0621564	0.63177809	0.89054584
Lamtor3	0.6250178	0.53151315	0.59377837	-0.0622652	0.68741961	0.89054584
Pef1	0.45770211	0.39288461	0.45515703	-0.0622724	0.73807245	0.89054584
Krit1	0.9607277	0.75156997	0.81387789	-0.0623079	0.63933201	0.89054584
Nans	0.85207043	0.68914422	0.75149037	-0.0623461	0.65044468	0.89054584
Impa1	0.7392148	0.61529801	0.67768175	-0.0623837	0.66599367	0.89054584
Dnajb6	1.80878698	1.03652873	1.09897676	-0.062448	0.60439463	0.89054584
Mta1	0.32375302	0.26957585	0.3321018	-0.062526	0.80979875	0.89054584
Drg2	0.5075901	0.43573601	0.49834076	-0.0626048	0.7208223	0.89054584
Fbxo22	0.61539936	0.52368645	0.58630235	-0.0626159	0.69060483	0.89054584
Tvp23b	1.1585146	0.84961502	0.91227144	-0.0626564	0.6255099	0.89054584
Apoa1bp	1.17405598	0.85653859	0.91919911	-0.0626605	0.62460334	0.89054584
Snapc5	0.53412222	0.4579345	0.52068189	-0.0627474	0.71275431	0.89054584
Sde2	0.68437706	0.57576616	0.63852392	-0.0627578	0.67649045	0.89054584
Commd8	0.73744187	0.6136813	0.67644898	-0.0627677	0.6672394	0.89054584
Mycbp2	1.03669824	0.79064977	0.85341972	-0.06277	0.63407671	0.89054584
Abhd10	0.35718765	0.30092159	0.36373631	-0.0628147	0.78946509	0.89054584
Ubtf	0.66732868	0.56309679	0.6259212	-0.0628244	0.67997295	0.89054584
Letm1	0.47383565	0.40637182	0.46928723	-0.0629154	0.73388486	0.89054584
Rabgap1l	0.29610254	0.24254099	0.30550667	-0.0629657	0.83152756	0.89332987
Xrcc6	0.36699395	0.30992699	0.37290266	-0.0629757	0.78430063	0.89054584
Atat1	0.48212787	0.41349929	0.47648928	-0.06299	0.73101761	0.89054584
Haghl	0.41671614	0.35548455	0.41856937	-0.0630848	0.75871463	0.89054584
Clns1a	0.81113228	0.66261737	0.72578265	-0.0631653	0.65743409	0.89054584

Gns	0.40848316	0.34790477	0.41110368	-0.0631989	0.76307174	0.89054584
Zzz3	0.49255781	0.42224592	0.48548761	-0.0632417	0.72803921	0.89054584
Zcchc17	0.76745307	0.63377082	0.69701272	-0.0632419	0.66374974	0.89054584
Atpaf2	0.27550535	0.22214351	0.28544964	-0.0633061	0.84925545	0.89883846
Ap4s1	0.29984508	0.24572491	0.3091287	-0.0634038	0.8303556	0.89271879
Pcmt1	1.21332804	0.87273556	0.93615916	-0.0634236	0.62386111	0.89054584
Ebna1bp2	1.00436214	0.77332204	0.83677562	-0.0634536	0.63806538	0.89054584
Acyp1	0.81105566	0.66211773	0.7257334	-0.0636157	0.658506	0.89054584
Csnk1g2	0.32019819	0.26507061	0.32870423	-0.0636336	0.8164506	0.89054584
Nxt1	0.39464714	0.33482582	0.39847019	-0.0636444	0.77160244	0.89054584
Exosc4	0.8850322	0.70765666	0.77130205	-0.0636454	0.64967419	0.89054584
Myl12b	1.75579075	1.02747542	1.09112225	-0.0636468	0.60709795	0.89054584
Fbxo9	0.42708696	0.36422994	0.42791991	-0.06369	0.75597669	0.89054584
Atf6b	0.78718276	0.6464794	0.71017874	-0.0636993	0.66198359	0.89054584
Leprotl1	0.59604042	0.50733704	0.57106598	-0.0637289	0.69844078	0.89054584
Mboat7	0.42272488	0.36020784	0.42399462	-0.0637868	0.75831803	0.89054584
2010107E04I	2.30921417	1.06520127	1.12920347	-0.0640022	0.60413488	0.89054584
Ttc5	0.62578184	0.53033833	0.59436952	-0.0640312	0.69213313	0.89054584
Tpm3	1.44077746	0.95443352	1.01847707	-0.0640435	0.61522441	0.89054584
Cdipt	0.68137156	0.57227116	0.63631654	-0.0640454	0.68043778	0.89054584
Rpl37	5.08150079	0.62127459	0.68536694	-0.0640923	0.6684665	0.89054584
Ankrd11	0.89456798	0.7126698	0.77688665	-0.0642168	0.64991998	0.89054584
Calm2	3.88839998	0.92114843	0.98546889	-0.0643205	0.61946803	0.89054584
Gapvd1	0.61916696	0.52491176	0.58923827	-0.0643265	0.69448776	0.89054584
2700060E02I	2.18224201	1.06246409	1.12679472	-0.0643306	0.60487535	0.89054584
Aebp2	0.33509769	0.27856169	0.34290043	-0.0643387	0.8089849	0.89054584
Tonsl	1.38786057	0.93720765	1.0015842	-0.0643766	0.61770247	0.89054584
Atpif1	3.46669868	0.97444451	1.03884424	-0.0643997	0.6136388	0.89054584
Pyroxd1	0.31907959	0.26312615	0.32763376	-0.0645076	0.82050624	0.89054584
Micu2	0.59213587	0.50343965	0.56796303	-0.0645234	0.70169388	0.89054584

Gm16286	0.91291064	0.72287367	0.78744572	-0.0645721	0.64878493	0.89054584
Cstf2t	0.37537835	0.31612214	0.38069922	-0.0645771	0.78531927	0.89054584
Setd2	0.60995932	0.51744894	0.58204613	-0.0645972	0.69744392	0.89054584
Bod1	0.3082671	0.25261312	0.31725367	-0.0646405	0.82875603	0.89253491
Rpl7a	3.73966051	0.94151551	1.0061885	-0.064673	0.61770336	0.89054584
Mllt4	0.42761042	0.36363846	0.4283902	-0.0647517	0.75934748	0.89054584
Nsf	0.4433268	0.37757983	0.44243553	-0.0648557	0.75267902	0.89054584
Pex14	0.42981303	0.36550227	0.43036735	-0.0648651	0.75872179	0.89054584
Ppp2r2a	0.80306591	0.65563991	0.7205739	-0.064934	0.66269776	0.89054584
Nr2c2ap	0.34822637	0.29034071	0.35531519	-0.0649745	0.80288027	0.89054584
Urm1	0.47512646	0.4054244	0.47041112	-0.0649867	0.74009133	0.89054584
Tob1	0.56846722	0.48389637	0.54893673	-0.0650404	0.70952965	0.89054584
Commd4	0.58762977	0.49931484	0.56436931	-0.0650545	0.70437762	0.89054584
Trim8	0.42161604	0.35791848	0.42299504	-0.0650766	0.76324032	0.89054584
Usp22	0.34204983	0.28438336	0.34948583	-0.0651025	0.80726748	0.89054584
Exosc10	0.33291388	0.27570566	0.340827	-0.0651213	0.81331466	0.89054584
Srek1	0.83798725	0.67765481	0.74278399	-0.0651292	0.65854954	0.89054584
Sdhaf1	0.53364192	0.45514595	0.5202814	-0.0651355	0.72014273	0.89054584
Pomgnt2	0.34455625	0.2866658	0.35185383	-0.065188	0.80597605	0.89054584
Nup88	0.49107104	0.41895836	0.48420905	-0.0652507	0.73494109	0.89054584
Ndufs2	1.58912165	0.99296595	1.05825673	-0.0652908	0.61311249	0.89054584
Coq6	0.2796549	0.22420689	0.28950667	-0.0652998	0.85333605	0.90008483
Rnf7	1.80959056	1.03377941	1.09908642	-0.065307	0.60904518	0.89054584
Pgrmc2	0.40330936	0.34104021	0.40639236	-0.0653522	0.77313364	0.89054584
Cnot1	0.42870465	0.36400682	0.42937279	-0.065366	0.76091788	0.89054584
Zcchc6	0.41626362	0.35267887	0.41815994	-0.0654811	0.7671702	0.89054584
Znhit3	0.36616547	0.30664121	0.37213016	-0.065489	0.79386318	0.89054584
Zcchc9	0.72509656	0.60225688	0.66780352	-0.0655466	0.67626764	0.89054584
Aars	0.82267373	0.66755968	0.73315407	-0.0655944	0.66159852	0.89054584
Nipsnap1	0.51532627	0.43923286	0.50490021	-0.0656673	0.7277234	0.89054584

Rps13	4.81406088	0.69026033	0.75593784	-0.0656775	0.65717996	0.89054584
Ndfip2	1.09309418	0.81610847	0.88182167	-0.0657132	0.63577327	0.89054584
Senp7	0.38080315	0.31995341	0.38572291	-0.0657695	0.78651716	0.89054584
Mrpl18	1.2580245	0.88862088	0.95439079	-0.0657699	0.62591813	0.89054584
Bud31	1.45317523	0.95638092	1.02222434	-0.0658434	0.61794624	0.89054584
Ankra2	0.4721207	0.40191581	0.46779246	-0.0658767	0.74411794	0.89054584
Tmem101	0.49315312	0.42002452	0.48599916	-0.0659746	0.73645478	0.89054584
Echdc2	0.38993278	0.32814554	0.3941407	-0.0659952	0.78233282	0.89054584
Os9	1.08044777	0.80960222	0.87560581	-0.0660036	0.63727831	0.89054584
Tor1a	0.60142668	0.50931649	0.57532989	-0.0660134	0.70352546	0.89054584
Ctso	0.52992284	0.45113941	0.51717527	-0.0660359	0.72403815	0.89054584
Tcaf1	0.67607315	0.56636951	0.63241043	-0.0660409	0.68670097	0.89054584
Uxt	0.32469237	0.26692406	0.3329985	-0.0660744	0.82237118	0.89073269
Dynlt3	0.63576987	0.53586103	0.60206254	-0.0662015	0.69577499	0.89054584
Fam3c	0.59853369	0.50675345	0.57304201	-0.0662886	0.70503541	0.89054584
Scaper	0.39499358	0.3324973	0.39878786	-0.0662906	0.78066952	0.89054584
Dusp11	0.6176143	0.52173419	0.58802953	-0.0662953	0.70029741	0.89054584
Glx3	1.72999262	1.02052678	1.08683074	-0.066304	0.61188165	0.89054584
Slain2	0.35128813	0.29175777	0.35819727	-0.0664395	0.80624846	0.89054584
Kmt2c	0.57667559	0.48911086	0.55557653	-0.0664657	0.71136142	0.89054584
Gtf2e2	1.34714093	0.92122886	0.9877037	-0.0664748	0.62307161	0.89054584
Afg3l2	0.37019735	0.30933941	0.37588604	-0.0665466	0.79526201	0.89054584
Fam104a	1.55306655	0.98296885	1.0495449	-0.066576	0.61620617	0.89054584
Akirin1	0.82752237	0.66960075	0.73622175	-0.066621	0.66333765	0.89054584
Arhgdia	1.69594669	1.01402295	1.08069506	-0.0666721	0.61310749	0.89054584
Rpl18a	5.34742386	0.60186353	0.6685615	-0.066698	0.67895972	0.89054584
Dicer1	0.45074809	0.38231651	0.44901853	-0.066702	0.75555928	0.89054584
Rnf126	0.35199225	0.29196342	0.35885936	-0.0668959	0.80743577	0.89054584
Qtrt1	0.40327159	0.3394182	0.40635792	-0.0669397	0.77859945	0.89054584
Ccdc127	0.76694221	0.62971598	0.69666807	-0.0669521	0.67282942	0.89054584

Lym9	0.40373791	0.33976448	0.4067832	-0.0670187	0.77862987	0.89054584
Tcf12	0.70531551	0.58668228	0.65372515	-0.0670429	0.68360313	0.89054584
Naa10	0.61372881	0.51785482	0.58499747	-0.0671427	0.70358051	0.89054584
Setd8	0.32423465	0.26534397	0.33256162	-0.0672176	0.826819	0.89184004
Csnk1g3	0.41190766	0.34699256	0.4142136	-0.067221	0.77519957	0.89054584
4833420G17	0.45709743	0.38731641	0.45462443	-0.067308	0.75482907	0.89054584
Pim3	0.42811237	0.36147913	0.42884102	-0.0673619	0.76786125	0.89054584
Gm8186	0.76779949	0.6298762	0.69724633	-0.0673701	0.67370301	0.89054584
Nipbl	0.93212844	0.73085674	0.79825596	-0.0673992	0.65297645	0.89054584
Sirt7	0.33606614	0.27637816	0.34381913	-0.067441	0.81960555	0.89054584
Arfgap1	0.48120465	0.40824049	0.47568953	-0.067449	0.74556596	0.89054584
Med13	0.35693048	0.29604412	0.36349524	-0.0674511	0.8063503	0.89054584
Slc25a17	0.91075776	0.71875981	0.78621924	-0.0674594	0.65532892	0.89054584
Zfhx3	0.47156946	0.39984861	0.46731161	-0.067463	0.74939391	0.89054584
Scamp2	0.59346822	0.50154278	0.569023	-0.0674802	0.70969779	0.89054584
U2af1	1.7976784	1.0299059	1.09742733	-0.0675214	0.61281012	0.89054584
Tex10	0.32806388	0.26864431	0.33621313	-0.0675688	0.82544276	0.89170439
R3hdm4	0.89144851	0.70736166	0.77506625	-0.0677046	0.65798641	0.89054584
Ccdc47	0.9067775	0.71622115	0.78394272	-0.0677216	0.6563297	0.89054584
Mau2	0.42351145	0.35696371	0.42470325	-0.0677395	0.77128767	0.89054584
Rnf10	1.4871283	0.96422343	1.0320044	-0.067781	0.62019554	0.89054584
Shfm1	3.36866614	0.98503385	1.05283956	-0.0678057	0.61792988	0.89054584
Dimt1	0.35634731	0.29512447	0.36294846	-0.067824	0.80801751	0.89054584
Hnrnpa0	0.51998533	0.44096338	0.50883224	-0.0678689	0.73283736	0.89054584
Zc3h7b	0.3137688	0.25467341	0.32254265	-0.0678692	0.8365388	0.89462889
Rab10	1.32473991	0.91177304	0.97970443	-0.0679314	0.62666932	0.89054584
Tnfaip1	0.70332485	0.58432576	0.65229329	-0.0679675	0.68632192	0.89054584
Hras	0.45668609	0.38619597	0.45426198	-0.068066	0.75743941	0.89054584
Suco	0.3015836	0.24272353	0.31080885	-0.0680853	0.84627344	0.89825055
Psm4	1.81446917	1.03159742	1.09974627	-0.0681489	0.61359617	0.89054584

Brd7	0.68514845	0.57090469	0.63908945	-0.0681848	0.69042828	0.89054584
Araf	0.80554138	0.65392981	0.72217745	-0.0682476	0.67013357	0.89054584
Mar-08	0.30920409	0.24989929	0.31815538	-0.0682561	0.84122737	0.89618006
Usp7	0.40536304	0.34000202	0.40826431	-0.0682623	0.78200445	0.89054584
Atp5j2	3.20999936	1.00588426	1.07422641	-0.0683421	0.61653816	0.89054584
Mettl9	1.35594575	0.92238851	0.9907631	-0.0683746	0.626093	0.89054584
Snrpg	2.24628274	1.05989022	1.12833325	-0.068443	0.61125997	0.89054584
Ylpm1	0.47780966	0.40422793	0.47274406	-0.0685161	0.75023628	0.89054584
Elavl1	1.31336445	0.90701619	0.97554525	-0.0685291	0.62827055	0.89054584
Eif4h	1.60350129	0.99303477	1.06158014	-0.0685454	0.61822567	0.89054584
Isca2	0.58411107	0.49299717	0.56155333	-0.0685562	0.71524656	0.89054584
Preb	0.60232053	0.5074758	0.57603577	-0.06856	0.71038464	0.89054584
Spns1	0.35119931	0.28949435	0.35811374	-0.0686194	0.81399525	0.89054584
Usp34	0.96697004	0.74856185	0.8172126	-0.0686507	0.65224142	0.89054584
Wbp1	0.79706303	0.64796884	0.71666677	-0.0686979	0.67241615	0.89054584
Gga1	0.3793327	0.31560672	0.38436281	-0.0687561	0.79769232	0.89054584
lpo8	0.26251529	0.20380745	0.27269519	-0.0688877	0.88038884	0.91159931
Glrx5	1.43060909	0.9464274	1.01533913	-0.0689117	0.6240767	0.89054584
Ddx39b	2.00971232	1.04949773	1.11842162	-0.0689239	0.61298674	0.89054584
Wdr1	0.82305279	0.66422195	0.73339451	-0.0691726	0.66982271	0.89054584
Cfdp1	1.53863783	0.97661279	1.04590382	-0.069291	0.62120778	0.89054584
Tmx3	0.36630867	0.30285735	0.37226372	-0.0694064	0.80747577	0.89054584
Snx14	0.35961781	0.29660311	0.36601248	-0.0694094	0.81151848	0.89054584
Smarca4	0.95171439	0.73959358	0.80901262	-0.069419	0.65533713	0.89054584
Ptrh2	0.43998766	0.36999791	0.43946328	-0.0694654	0.76926627	0.89054584
Thoc6	0.31905047	0.25810721	0.32760588	-0.0694987	0.8385101	0.89497393
H2afy2	0.80579402	0.65276364	0.72234086	-0.0695772	0.67319685	0.89054584
Ubr5	0.29046828	0.23045777	0.30004056	-0.0695828	0.86003153	0.90134771
Hsd17b4	0.46257022	0.38985183	0.45943686	-0.069585	0.75979095	0.89054584
Taf6	0.46616038	0.39294082	0.46258394	-0.0696431	0.7584779	0.89054584

Mprip	0.52072249	0.43965107	0.50945313	-0.0698021	0.7383734	0.89054584
Seh1l	0.5354906	0.45198816	0.52182207	-0.0698339	0.7335195	0.89054584
Uhrf2	0.73330478	0.6037102	0.67356354	-0.0698533	0.68551085	0.89054584
Mef2a	0.66803236	0.55658263	0.62644538	-0.0698627	0.69832069	0.89054584
Bphl	0.61886506	0.51913822	0.58900337	-0.0698651	0.70973967	0.89054584
Ddx17	1.03949935	0.78498936	0.85486638	-0.069877	0.64833277	0.89054584
Syap1	0.58536027	0.49262257	0.56255419	-0.0699316	0.71875846	0.89054584
Rab11b	1.30300035	0.90174045	0.97169452	-0.0699541	0.63134048	0.89054584
Hnrnp1l	0.64834074	0.54168223	0.61164777	-0.0699655	0.70295893	0.89054584
Dnajc2	0.64144615	0.5364007	0.60640418	-0.0700035	0.70465266	0.89054584
Psmb6	2.50088581	1.05683281	1.12684176	-0.070009	0.61388258	0.89054584
Ndufa5	1.82607777	1.03126475	1.1012762	-0.0700114	0.61645481	0.89054584
Zfp622	0.65891735	0.54960178	0.61962878	-0.070027	0.70073915	0.89054584
Asf1a	0.66180122	0.5517273	0.62179173	-0.0700644	0.70020025	0.89054584
Mpg	0.39383223	0.32765714	0.39772271	-0.0700656	0.79410598	0.89054584
Rbck1	0.49966647	0.42148461	0.4915832	-0.0700986	0.7467681	0.89054584
Arl2	0.70864154	0.58599038	0.65611169	-0.0701213	0.69072974	0.89054584
Fam96b	0.97673264	0.75220568	0.82239187	-0.0701862	0.65454208	0.89054584
BC005624	0.78529576	0.63865455	0.70893153	-0.070277	0.67790367	0.89054584
Psmg1	0.55473667	0.4674445	0.53773205	-0.0702876	0.72872962	0.89054584
mt-Nd5	1.74540315	1.01903834	1.08943018	-0.0703918	0.61830429	0.89054584
Arfrp1	0.42602759	0.35642032	0.42696764	-0.0705473	0.77928803	0.89054584
Lsm10	0.45479969	0.38191491	0.45259853	-0.0706836	0.76657086	0.89054584
Cux1	0.552192	0.46491275	0.53564191	-0.0707292	0.73078625	0.89054584
Zfand2b	0.48651046	0.40945991	0.48027855	-0.0708186	0.75395109	0.89054584
Gcc2	0.74256083	0.60910677	0.68000221	-0.0708954	0.6864208	0.89054584
Golga1	0.29644377	0.23491297	0.3058372	-0.0709242	0.86002181	0.90134771
Ythdf2	0.71745055	0.59146551	0.6623948	-0.0709293	0.69106796	0.89054584
Lzts2	0.74090243	0.60789297	0.67885312	-0.0709602	0.68686963	0.89054584
Xbp1	1.42453278	0.94243673	1.0134425	-0.0710058	0.62794812	0.89054584

Ankhd1	0.40483352	0.33674971	0.40778188	-0.0710322	0.79147457	0.89054584
Wsb2	0.4102298	0.3416325	0.41269072	-0.0710582	0.78877825	0.89054584
Vps41	0.50286413	0.42322799	0.49431504	-0.071087	0.74857066	0.89054584
Rnf214	0.41591454	0.34666925	0.41784402	-0.0711748	0.78628447	0.89054584
Eif2b1	0.55320161	0.46527094	0.53647169	-0.0712008	0.73182328	0.89054584
Gbas	0.58839677	0.49375657	0.56498197	-0.0712254	0.72151139	0.89054584
Pigk	0.6333531	0.5289533	0.60020727	-0.071254	0.70989879	0.89054584
Rab22a	0.51424958	0.43273182	0.50398956	-0.0712577	0.74496069	0.89054584
Uba3	0.56618611	0.47577328	0.54708386	-0.0713106	0.72816668	0.89054584
Ran	2.83166646	1.03681629	1.10816899	-0.0713527	0.61790361	0.89054584
Rps6kb1	0.68043876	0.56426878	0.63563016	-0.0713614	0.69953143	0.89054584
Lrp6	0.46958519	0.39411197	0.46557919	-0.0714672	0.76274355	0.89054584
Rpf2	0.52996103	0.44571755	0.51720722	-0.0714897	0.74020271	0.89054584
1110037F02I	0.31739069	0.25445502	0.3260163	-0.0715613	0.84676276	0.89831454
Faap20	0.61066681	0.51101986	0.58260079	-0.0715809	0.71648068	0.89054584
Dctn1	0.68127891	0.56461894	0.6362484	-0.0716295	0.70003741	0.89054584
Srsf2	2.15303167	1.05406684	1.1257124	-0.0716456	0.61658221	0.89054584
Calm3	1.71895574	1.01323828	1.08489799	-0.0716597	0.62085704	0.89054584
Denr	1.30254617	0.89983921	0.97152428	-0.0716851	0.63448868	0.89054584
Limd1	0.59102918	0.49529088	0.56708168	-0.0717908	0.7223402	0.89054584
Vamp8	1.63379191	0.9964443	1.06826919	-0.0718249	0.62295201	0.89054584
Tspan3	2.08687453	1.0508789	1.12273293	-0.071854	0.61721275	0.89054584
Itm2c	1.65621956	1.00109711	1.07295435	-0.0718572	0.62248572	0.89054584
Atrx	1.59731008	0.98829273	1.06016203	-0.0718693	0.62393561	0.89054584
Wasl	0.69381943	0.57354776	0.64541743	-0.0718697	0.69804665	0.89054584
Ergic3	1.5733914	0.98265408	1.05452424	-0.0718702	0.62457774	0.89054584
Tceb3	0.50891411	0.4275661	0.49946607	-0.0719	0.74878514	0.89054584
Rpp30	0.33515437	0.2709993	0.34295421	-0.0719549	0.83583627	0.89462889
Tex264	0.55413664	0.4652797	0.53723958	-0.0719599	0.73369803	0.89054584
Opa1	0.29119224	0.22876626	0.3007438	-0.0719775	0.86758175	0.90444517

Patz1	0.37755132	0.31063488	0.38271349	-0.0720786	0.8098775	0.89054584
Eftud2	0.45163765	0.37770179	0.4498054	-0.0721036	0.77241575	0.89054584
Dag1	0.47255837	0.39591055	0.46817411	-0.0722636	0.76396538	0.89054584
Sptan1	0.74581837	0.60993711	0.68225355	-0.0723164	0.68928728	0.89054584
Fam175b	0.44711569	0.37347402	0.44580055	-0.0723265	0.77513495	0.89054584
Romo1	2.38153459	1.05707448	1.1294334	-0.0723589	0.61733249	0.89054584
Cct2	1.78891876	1.02380468	1.09616825	-0.0723636	0.62079146	0.89054584
Zfp553	0.36337032	0.29712221	0.36952112	-0.0723989	0.81932853	0.89054584
Polr2h	0.69381836	0.57300761	0.64541665	-0.072409	0.69940319	0.89054584
Med25	0.96236237	0.74233268	0.8147539	-0.0724212	0.66060705	0.89054584
Ccdc50	0.49365767	0.41392303	0.48643255	-0.0725095	0.75630934	0.89054584
Psma4	2.12885691	1.05213692	1.12473114	-0.0725942	0.61818026	0.89054584
9430016H08	0.38720632	0.31902503	0.39163149	-0.0726065	0.80613565	0.89054584
Aph1a	0.61094084	0.51020884	0.58281554	-0.0726067	0.71917998	0.89054584
Adh5	1.23127459	0.87080272	0.9435736	-0.0727709	0.64031832	0.89054584
Cisd2	1.00519943	0.76442274	0.83720913	-0.0727864	0.65727786	0.89054584
Nudt16l1	0.83037342	0.66521452	0.73801752	-0.072803	0.67709446	0.89054584
2310061I04R	0.32465652	0.2601519	0.33296428	-0.0728124	0.84585433	0.89825055
Hif1a	0.60022579	0.50152622	0.57438069	-0.0728545	0.72271978	0.89054584
Pabpn1	0.73955183	0.6049202	0.67791585	-0.0729956	0.69204622	0.89054584
Tnpo3	0.80294104	0.6474887	0.72049289	-0.0730042	0.68156117	0.89054584
Trmt1l	0.50885874	0.42613294	0.49941904	-0.0732861	0.75290682	0.89054584
Eif3f	3.05702735	1.01642659	1.08972939	-0.0733028	0.62300891	0.89054584
Rbm4b	0.97623642	0.74876791	0.82212965	-0.0733617	0.66119802	0.89054584
Ccnh	0.60625857	0.50571349	0.57913923	-0.0734257	0.72263273	0.89054584
Casp6	0.63809048	0.53040414	0.60384019	-0.0734361	0.71450611	0.89054584
Zfp444	0.41474502	0.34333179	0.41678518	-0.0734534	0.79420036	0.89054584
Gpat4	0.50529798	0.42288041	0.49639003	-0.0735096	0.75488256	0.89054584
Pex19	0.90071449	0.70685291	0.78045254	-0.0735996	0.66979812	0.89054584
Ctdnep1	0.38294669	0.314058	0.38770344	-0.0736454	0.81191628	0.89054584

Gtf3a	0.82969453	0.6639424	0.73759046	-0.0736481	0.67910338	0.89054584
Atraid	1.62817302	0.99332014	1.06705771	-0.0737376	0.62625462	0.89054584
Ssb	2.23458726	1.05434208	1.1280988	-0.0737567	0.61966774	0.89054584
Arl6ip5	1.17074334	0.84393649	0.91773567	-0.0737992	0.64603813	0.89054584
Dynlt1c	0.61633974	0.51315126	0.58703605	-0.0738848	0.72118918	0.89054584
Maea	0.59022176	0.49245144	0.56643815	-0.0739867	0.728585	0.89054584
Pts	0.72466551	0.59350712	0.66749971	-0.0739926	0.69722828	0.89054584
Wbscr22	0.45031789	0.37463499	0.44863782	-0.0740028	0.77890271	0.89054584
Gm10250	0.31302771	0.24778675	0.32183106	-0.0740443	0.85811569	0.90124396
1110008F13I	1.14936748	0.83407152	0.90817539	-0.0741039	0.64808408	0.89054584
Rcor1	0.36445519	0.29634876	0.37053427	-0.0741855	0.82453251	0.89142971
Psme4	0.41244672	0.34048499	0.41470252	-0.0742175	0.79780056	0.89054584
Ppm1g	1.060234	0.79118113	0.86546915	-0.074288	0.65538593	0.89054584
Npepps	1.02642817	0.77377389	0.84806981	-0.0742959	0.6584185	0.89054584
Sep-15	2.74359897	1.03992832	1.11427986	-0.0743515	0.62205139	0.89054584
Gigyf2	0.69204694	0.56976861	0.6441282	-0.0743596	0.70465572	0.89054584
Irf3	0.56408448	0.47069245	0.54537373	-0.0746813	0.73825554	0.89054584
Lamtor5	1.28775392	0.89119901	0.96594759	-0.0747486	0.64077311	0.89054584
Acbd6	0.89293151	0.70113452	0.77593256	-0.074798	0.67332414	0.89054584
Rer1	1.41483217	0.93555255	1.01038377	-0.0748312	0.63497211	0.89054584
Birc2	0.50206175	0.41878052	0.49363015	-0.0748496	0.7600427	0.89054584
Txn2	0.9171262	0.71498041	0.78983741	-0.074857	0.67059333	0.89054584
Ift22	0.72176861	0.59058435	0.66545449	-0.0748701	0.6999221	0.89054584
Sae1	0.98098223	0.74971006	0.82463013	-0.0749201	0.66395396	0.89054584
Ddx27	0.42798782	0.35380503	0.42872917	-0.0749241	0.79223206	0.89054584
Slc4a2	0.30114841	0.23537938	0.31038842	-0.075009	0.86989362	0.90589084
Cops3	1.09969219	0.80999319	0.88502219	-0.075029	0.65356685	0.89054584
B9d1	0.87503003	0.69032435	0.76537389	-0.0750495	0.67610604	0.89054584
Ube2k	1.37636898	0.9226518	0.99770198	-0.0750502	0.63700314	0.89054584
Hp1bp3	1.13353967	0.82582186	0.90096444	-0.0751426	0.65120167	0.89054584

Hgs	0.45418975	0.37688924	0.45206022	-0.075171	0.78074555	0.89054584
Atg4b	0.40636862	0.33398896	0.40918002	-0.0751911	0.80403668	0.89054584
Hnrnpab	1.48080311	0.95498541	1.03022387	-0.0752385	0.6331651	0.89054584
Pds5b	0.41599582	0.34254309	0.41791759	-0.0753745	0.79962267	0.89054584
Abi1	0.42079957	0.34686105	0.42225856	-0.0753975	0.7972644	0.89054584
Rpl9	4.82033618	0.67864111	0.75409543	-0.0754543	0.67945336	0.89054584
Ppp2ca	0.87280774	0.68852588	0.76404677	-0.0755209	0.67742312	0.89054584
Aen	0.33701821	0.26919885	0.344722	-0.0755231	0.84630182	0.89825055
Insig2	0.57595276	0.4793986	0.55499351	-0.0755949	0.73715142	0.89054584
Sar1b	1.14028849	0.82841356	0.9040594	-0.0756458	0.65166889	0.89054584
Asnsd1	0.59495629	0.49435675	0.57020545	-0.0758487	0.73228292	0.89054584
Gtf3c2	0.43171713	0.35602895	0.43207423	-0.0760453	0.79388509	0.89054584
Sec63	0.50096698	0.41660887	0.49269503	-0.0760862	0.76407535	0.89054584
Cnot2	0.6186573	0.51273017	0.58884168	-0.0761115	0.72647871	0.89054584
Lztfl1	0.80099761	0.64303169	0.71923066	-0.076199	0.68920284	0.89054584
Kctd5	0.50171392	0.41711273	0.49333313	-0.0762204	0.76417914	0.89054584
Ppp1r37	0.47009092	0.38974693	0.46602097	-0.076274	0.77712895	0.89054584
Med28	1.67840214	1.00101776	1.07736065	-0.0763429	0.62935194	0.89054584
Sart1	0.41550183	0.3411218	0.41747042	-0.0763486	0.80290557	0.89054584
Tmem147	1.43208806	0.9393434	1.01579916	-0.0764558	0.63707931	0.89054584
Ppia	5.15447174	0.60149925	0.6780479	-0.0765487	0.70054692	0.89054584
Psm5	0.51372562	0.42697745	0.50354614	-0.0765687	0.760662	0.89054584
Timm22	0.54588377	0.4538499	0.53044249	-0.0765926	0.74943794	0.89054584
Ufl1	0.67176415	0.55258902	0.62921944	-0.0766304	0.71477742	0.89054584
Csnk1a1	2.29633104	1.05232497	1.12902849	-0.0767035	0.6241951	0.89054584
Mdm2	0.66136517	0.54463601	0.62146505	-0.076829	0.71768051	0.89054584
Zcchc7	0.71842206	0.58621239	0.66308435	-0.076872	0.70544121	0.89054584
Dnm2	0.85138251	0.67419058	0.75106848	-0.0768779	0.68327625	0.89054584
Commd2	0.61718524	0.51078264	0.58769521	-0.0769126	0.72897727	0.89054584
Rb1cc1	0.74389362	0.6039704	0.68092425	-0.0769538	0.70073815	0.89054584

Pgls	1.86038105	1.02843017	1.10543546	-0.0770053	0.62723713	0.89054584
Vma21	0.88285708	0.69298625	0.77001916	-0.0770329	0.67942148	0.89054584
Mrps15	0.83020943	0.66085936	0.7379144	-0.077055	0.68669341	0.89054584
Acbd3	0.50746518	0.42116448	0.49823454	-0.0770701	0.76444505	0.89054584
Lamtor1	1.05604249	0.78615422	0.86333354	-0.0771793	0.661476	0.89054584
Sh3bp1	0.45052031	0.37162961	0.44881697	-0.0771874	0.78850447	0.89054584
Sbno1	1.02486983	0.77001787	0.84725174	-0.0772339	0.66447242	0.89054584
Ift52	0.40456246	0.33024539	0.40753486	-0.0772895	0.81153683	0.89054584
Mcts1	0.86947263	0.68468936	0.76204826	-0.0773589	0.6818755	0.89054584
Atxn7l3b	2.15603575	1.04836373	1.12582229	-0.0774586	0.62572177	0.89054584
Rhot1	0.40465107	0.33012336	0.40761562	-0.0774923	0.81211486	0.89054584
Klhl9	0.75166712	0.60877392	0.68627656	-0.0775026	0.70060589	0.89054584
Ndufb3	1.68104886	1.00036131	1.07787295	-0.0775116	0.63119962	0.89054584
Yes1	0.40836644	0.33341937	0.41099757	-0.0775782	0.81040845	0.89054584
Fbxo11	0.3021585	0.23375805	0.31136412	-0.0776061	0.87722369	0.9096298
Stag2	0.57432821	0.47599714	0.55368192	-0.0776848	0.74333987	0.89054584
Ssrp1	1.16044757	0.83543688	0.91314165	-0.0777048	0.65411627	0.89054584
Rnf216	0.39837238	0.3241434	0.40188241	-0.077739	0.81626234	0.89054584
Smim11	0.90852728	0.70719859	0.78494495	-0.0777464	0.67776343	0.89054584
Hnrnpul2	0.56511501	0.46846486	0.54621265	-0.0777478	0.74638363	0.89054584
Nr3c1	0.62241105	0.51386449	0.59175849	-0.077894	0.73014877	0.89054584
Slc38a10	0.74503959	0.6036719	0.68171602	-0.0780441	0.70310926	0.89054584
Kdm2a	0.57770949	0.47835865	0.55640985	-0.0780512	0.7432958	0.89054584
Got2	0.59069495	0.48876392	0.56681535	-0.0780514	0.73941536	0.89054584
Psmc9	0.82664589	0.65760124	0.73566849	-0.0780672	0.68948632	0.89054584
Wbp11	1.11234916	0.81295965	0.89107419	-0.0781145	0.65851672	0.89054584
Fdft1	0.47231923	0.38981919	0.4679656	-0.0781464	0.78171692	0.89054584
Ppp6c	0.75909685	0.61316266	0.69135148	-0.0781888	0.70087051	0.89054584
Mrpl34	1.13802671	0.82483169	0.90302552	-0.0781938	0.65668115	0.89054584
Maf1	0.73773319	0.59839108	0.6766517	-0.0782606	0.70500373	0.89054584

Tmed4	1.29949307	0.89205321	0.97037659	-0.0783234	0.64655781	0.89054584
Lrp10	0.57342136	0.47460519	0.55294901	-0.0783438	0.74540378	0.89054584
Cops6	1.71700947	1.00616066	1.08455136	-0.0783907	0.63184558	0.89054584
Bax	1.71590905	1.00592794	1.08435461	-0.0784267	0.63192686	0.89054584
Exosc7	0.68629289	0.56149979	0.63992768	-0.0784279	0.71599607	0.89054584
Tmbim4	1.01097001	0.76132715	0.84018334	-0.0788562	0.66904195	0.89054584
Kxd1	0.47949648	0.39529969	0.47420842	-0.0789087	0.78090468	0.89054584
Tet3	0.58251467	0.48123383	0.56027344	-0.0790396	0.74449058	0.89054584
Ap3d1	0.49805998	0.41116186	0.49020831	-0.0790464	0.7737512	0.89054584
Tsn	1.3703093	0.91657828	0.99565487	-0.0790766	0.64431656	0.89054584
Cap1	0.79900306	0.63883048	0.71793237	-0.0791019	0.69613723	0.89054584
Chd4	1.52256796	0.96235762	1.04167942	-0.0793218	0.63861869	0.89054584
Ccnt1	0.63188898	0.51970833	0.59908137	-0.079373	0.73147133	0.89054584
Eapp	0.77026005	0.61949671	0.69890308	-0.0794064	0.70171135	0.89054584
Grsf1	0.48319604	0.39798815	0.47741393	-0.0794258	0.78085754	0.89054584
Rnf149	0.42599005	0.34748934	0.42693388	-0.0794445	0.80701347	0.89054584
Traf7	0.51172564	0.42235779	0.50185198	-0.0794942	0.76973793	0.89054584
Tjp1	0.38683577	0.31175395	0.39129019	-0.0795362	0.82818246	0.89229532
Cebpz	0.88239152	0.69017255	0.76974412	-0.0795716	0.68495978	0.89054584
Hsd17b10	1.21550724	0.857426	0.93707044	-0.0796444	0.65393918	0.89054584
Gnl2	0.59723802	0.4923526	0.57201565	-0.0796631	0.74177845	0.89054584
Matr3	1.35741551	0.91141272	0.99126927	-0.0798566	0.64629018	0.89054584
G3bp1	2.01347791	1.03879058	1.11866032	-0.0798697	0.63029604	0.89054584
Itch	0.58505078	0.48240733	0.5623064	-0.0798991	0.74601337	0.89054584
Ddx1	0.98070676	0.74457613	0.82448544	-0.0799093	0.67420181	0.89054584
Ndufs3	1.48230572	0.95060003	1.03064663	-0.0800466	0.64126537	0.89054584
Kpnb1	0.79461833	0.63495129	0.71506805	-0.0801168	0.69916178	0.89054584
Eif4g3	0.78389665	0.62780671	0.70800525	-0.0801985	0.70115891	0.89054584
Mark3	0.44725175	0.36564816	0.44592123	-0.0802731	0.799177	0.89054584
Suclg1	1.44179244	0.93842514	1.01878709	-0.080362	0.64337598	0.89054584

Drg1	0.96284838	0.73459756	0.81501397	-0.0804164	0.67713132	0.89054584
Gcn1l1	0.36037584	0.28615617	0.36672182	-0.0805657	0.84697124	0.89840423
Ino80d	0.44180754	0.36038902	0.44108382	-0.0806948	0.80298663	0.89054584
Polr1d	1.87429865	1.02619574	1.10698127	-0.0807855	0.63307222	0.89054584
Cam1	0.73091866	0.59109419	0.67189398	-0.0807998	0.71235206	0.89054584
Mpc2	1.38945042	0.92125055	1.00211527	-0.0808647	0.6465225	0.89054584
Pkn2	0.95387195	0.72930246	0.81018265	-0.0808802	0.67907013	0.89054584
Gatad2a	0.36564668	0.29076498	0.37164624	-0.0808813	0.84469049	0.89782425
Aspscr1	0.64559495	0.52861681	0.60956344	-0.0809466	0.73193686	0.89054584
Rnf113a2	0.3595059	0.28490138	0.36590773	-0.0810064	0.84882759	0.89883797
Hnrnpm	1.7749838	1.01308458	1.0941016	-0.081017	0.63494887	0.89054584
Gpatch8	0.68451693	0.55760411	0.63862649	-0.0810224	0.72276616	0.89054584
Mpdu1	0.5423289	0.4463814	0.52750186	-0.0811205	0.76314717	0.89054584
Nudcd2	0.98037703	0.74316068	0.82431217	-0.0811515	0.67676126	0.89054584
Mcl1	0.59656026	0.49029985	0.57147832	-0.0811785	0.74595106	0.89054584
Hnrnpul1	0.98121386	0.74353475	0.82475176	-0.081217	0.67680637	0.89054584
Aktip	0.46709686	0.38213474	0.46340355	-0.0812688	0.79305176	0.89054584
Morf4l2	2.59464731	1.04149219	1.12279647	-0.0813043	0.63207899	0.89054584
Hspe1	2.71709008	1.03453932	1.11589366	-0.0813543	0.63294393	0.89054584
Thumpd3	0.38678098	0.30980502	0.39123972	-0.0814347	0.8339111	0.89423396
Cops5	1.13114763	0.81832698	0.89986021	-0.0815332	0.66353516	0.89054584
Armc1	0.80989126	0.64342021	0.72498437	-0.0815642	0.6999139	0.89054584
Ik	1.08297965	0.79518709	0.87685883	-0.0816717	0.66783387	0.89054584
Usf2	0.84488583	0.66538463	0.74706698	-0.0816823	0.6947628	0.89054584
Ddx50	0.96684291	0.73546241	0.81714497	-0.0816826	0.67928918	0.89054584
Son	2.42001721	1.04723225	1.12891616	-0.0816839	0.63198021	0.89054584
Fdx1	0.80905947	0.64271047	0.7244487	-0.0817382	0.70043771	0.89054584
Emc6	1.24069112	0.86564404	0.9473839	-0.0817399	0.65614744	0.89054584
Crebbp	0.78612808	0.6276606	0.70948197	-0.0818214	0.70446799	0.89054584
BC004004	0.76286515	0.61205328	0.69391071	-0.0818574	0.70870097	0.89054584

Serf1	1.27783622	0.88027966	0.96215759	-0.0818779	0.65412001	0.89054584
Setd3	0.82427346	0.6522792	0.7341681	-0.0818889	0.69834867	0.89054584
Trip12	0.65784922	0.53684531	0.61882619	-0.0819809	0.73145104	0.89054584
Yipf5	0.91151524	0.70466417	0.78665116	-0.081987	0.68636322	0.89054584
Mrpl10	0.57119664	0.46895791	0.55114924	-0.0821913	0.75640178	0.89054584
Ddx6	1.11298926	0.80912185	0.89137722	-0.0822554	0.66637391	0.89054584
Dnlz	0.59428165	0.48723678	0.56966955	-0.0824328	0.74989577	0.89054584
Mrpl38	0.88745404	0.69028292	0.77272636	-0.0824434	0.69043017	0.89054584
Polr2g	1.48104187	0.94770792	1.03029113	-0.0825832	0.64558894	0.89054584
Dram2	0.51306329	0.42036035	0.50298537	-0.082625	0.7779597	0.89054584
Pddc1	0.75220612	0.60388131	0.68664606	-0.0827648	0.71279365	0.89054584
Cul5	0.81639533	0.6463156	0.7291562	-0.0828406	0.7017047	0.89054584
Srsf9	0.99029854	0.74654974	0.82949118	-0.0829414	0.67933893	0.89054584
Pdcd5	1.72471575	1.00285086	1.0859137	-0.0830628	0.63921751	0.89054584
Pmpca	0.57985618	0.47502892	0.55813779	-0.0831089	0.75607557	0.89054584
Clk3	0.46226074	0.37599881	0.4591652	-0.0831664	0.80062385	0.89054584
Chmp7	0.4883937	0.39865437	0.48190317	-0.0832488	0.78954179	0.89054584
Neu1	0.36178234	0.28477216	0.36803714	-0.083265	0.85406817	0.90035231
Ric8	0.40904276	0.32833592	0.41161234	-0.0832764	0.82705359	0.89186561
Idh3b	1.07189322	0.78799616	0.87134743	-0.0833513	0.67208022	0.89054584
Znrd1	0.69878398	0.56551465	0.64901658	-0.0835019	0.72555209	0.89054584
Dhx30	0.64990557	0.52926271	0.6128333	-0.0835706	0.73739292	0.89054584
Hmgn1	3.21520461	0.98997044	1.07362373	-0.0836533	0.64170116	0.89054584
Shoc2	0.65840412	0.53554794	0.61924324	-0.0836953	0.7355514	0.89054584
Gnaq	0.58498972	0.47855255	0.56225751	-0.083705	0.75603048	0.89054584
B230118H07	0.70135657	0.56712872	0.65087477	-0.083746	0.72556411	0.89054584
Proser1	0.44202466	0.35750138	0.44127708	-0.0837757	0.81178467	0.89054584
Brwd1	0.68260561	0.55335633	0.63722366	-0.0838673	0.73012142	0.89054584
Psm7	2.66910688	1.0349708	1.11883981	-0.083869	0.63654448	0.89054584
Dstn	2.56805059	1.04021436	1.1240957	-0.0838813	0.63595059	0.89054584

Pmvk	0.49652066	0.40497789	0.4888894	-0.0839115	0.78804223	0.89054584
Nelfb	0.73150463	0.58834596	0.67230432	-0.0839584	0.71965452	0.89054584
Rnf20	0.59479596	0.48586845	0.57007811	-0.0842097	0.75433665	0.89054584
Fam133b	0.72815212	0.58562278	0.66995331	-0.0843305	0.72121184	0.89054584
Kansl1	0.40780433	0.32613824	0.41048641	-0.0843482	0.83080102	0.89280428
Arpc1a	1.92643682	1.02777013	1.11213549	-0.0843654	0.63811397	0.89054584
Anapc4	0.54319247	0.44367085	0.52821697	-0.0845461	0.77207796	0.89054584
Zfp560	0.46602462	0.37765617	0.46246508	-0.0848089	0.80355206	0.89054584
Fam92a	0.81515813	0.64351381	0.72836499	-0.0848512	0.7063474	0.89054584
Rps19bp1	0.70349777	0.56754637	0.65241778	-0.0848714	0.7277659	0.89054584
Emc4	0.82236196	0.64807807	0.73295622	-0.0848782	0.70523491	0.89054584
Syf2	0.91614144	0.70432028	0.78927989	-0.0849596	0.69198944	0.89054584
Mtmr6	0.40046288	0.31881694	0.40379379	-0.0849769	0.83656954	0.89462889
Zfand3	0.55600664	0.45375954	0.5387736	-0.0850141	0.7688737	0.89054584
Ssna1	1.00352026	0.75125969	0.83633922	-0.0850795	0.68223117	0.89054584
Npm3	0.99881393	0.7487692	0.83389037	-0.0851212	0.68281017	0.89054584
Mnat1	0.58502558	0.47702327	0.56228622	-0.0852629	0.76005023	0.89054584
Spg21	0.74449518	0.59604963	0.68134	-0.0852904	0.72012329	0.89054584
Zfp91	0.7285808	0.58492948	0.67025437	-0.0853249	0.72344079	0.89054584
Cdk11b	0.83228161	0.65381754	0.7392161	-0.0853986	0.70479021	0.89054584
Rabggtb	0.79774959	0.63170448	0.71711497	-0.0854105	0.71051626	0.89054584
Gtf2a2	1.75761019	1.00594502	1.09141165	-0.0854666	0.64238232	0.89054584
Snx1	0.74110151	0.59351097	0.67899116	-0.0854802	0.72123956	0.89054584
Sra1	1.22748198	0.85646339	0.94202383	-0.0855604	0.66390852	0.89054584
Atp2c1	0.59136384	0.48176699	0.56734828	-0.0855813	0.75890202	0.89054584
Ccnt2	0.8419109	0.65951282	0.74522428	-0.0857115	0.70396713	0.89054584
Desi2	0.71489554	0.57483214	0.6605781	-0.085746	0.72732784	0.89054584
Cdc23	0.60701559	0.49393496	0.57973462	-0.0857997	0.75475028	0.89054584
Arpp19	1.77353557	1.00808246	1.09388243	-0.0858	0.64260463	0.89054584
Fam136a	0.79352309	0.62852507	0.71435039	-0.0858253	0.71217383	0.89054584

R3hdm1	1.07798608	0.78847553	0.8743834	-0.0859079	0.67643016	0.89054584
Srrm2	2.22893744	1.04189358	1.12797623	-0.0860826	0.63891188	0.89054584
Pet100	0.95761553	0.72597653	0.8122047	-0.0862282	0.68956551	0.89054584
Ing4	1.01030144	0.75354324	0.83983997	-0.0862967	0.68393243	0.89054584
Ube4b	0.45573372	0.36710096	0.45342244	-0.0863215	0.81244927	0.89054584
Cltc	0.91236375	0.70077595	0.78713449	-0.0863585	0.69537502	0.89054584
Cox7a2l	2.74693527	1.02769934	1.11406897	-0.0863696	0.64102145	0.89054584
Akirin2	0.37988186	0.29839189	0.3848709	-0.086479	0.85241472	0.89988783
Malsu1	0.57502227	0.4676858	0.55424248	-0.0865567	0.76656837	0.89054584
Pym1	0.34356745	0.2643343	0.35092003	-0.0865857	0.87483403	0.90828873
Mlf2	1.80224167	1.01145191	1.09807024	-0.0866183	0.64337998	0.89054584
Slc35a1	0.63056313	0.51125578	0.59806053	-0.0868047	0.75054831	0.89054584
Smpd2	0.49801343	0.40334974	0.49016845	-0.0868187	0.7953688	0.89054584
Spg7	0.47382979	0.38226679	0.46928212	-0.0870153	0.80617067	0.89054584
Dctn2	1.37252527	0.90936969	0.99639869	-0.087029	0.65796974	0.89054584
Eif3l	1.48246288	0.94355873	1.03069108	-0.0871324	0.65315655	0.89054584
Lars	0.62267387	0.50482525	0.59196235	-0.0871371	0.75357978	0.89054584
Manbal	0.61229869	0.49672847	0.58387889	-0.0871504	0.75659729	0.89054584
Tfg	1.52985484	0.95642792	1.04361496	-0.087187	0.65144453	0.89054584
Usp8	0.56119149	0.45582691	0.54301489	-0.087188	0.77278577	0.89054584
Ino80e	0.61522782	0.49898027	0.58616844	-0.0871882	0.75583977	0.89054584
Stub1	1.90355905	1.02279277	1.11003958	-0.0872468	0.64288579	0.89054584
Mri1	0.3753962	0.29337675	0.38071578	-0.087339	0.85741914	0.9009252
Stt3b	0.90359709	0.69474413	0.78211529	-0.0873712	0.69862732	0.89054584
Arcn1	0.88473727	0.68365879	0.77112831	-0.0874695	0.70141213	0.89054584
Uqcr10	2.65293173	1.03216112	1.11970826	-0.0875471	0.64217209	0.89054584
Mrpl40	0.7743427	0.61409497	0.70164233	-0.0875474	0.71948726	0.89054584
Bclaf1	1.29906965	0.88261399	0.97021698	-0.087603	0.66300045	0.89054584
2810403A07	0.52878555	0.42854767	0.51622365	-0.087676	0.78560958	0.89054584
Coprs	0.46983824	0.37807939	0.46580026	-0.0877209	0.80986136	0.89054584

Cox6c	3.36117416	0.96618177	1.05390444	-0.0877227	0.65091468	0.89054584
Pip5k1a	0.49022578	0.39573339	0.48348155	-0.0877482	0.80110138	0.89054584
Arhgap5	1.06084696	0.77798286	0.86578046	-0.0877976	0.68169963	0.89054584
Sdhd	1.33488947	0.89554537	0.98336605	-0.0878207	0.66132146	0.89054584
Arfgap2	0.71042471	0.56951574	0.65738801	-0.0878723	0.73327728	0.89054584
Ctage5	0.79791206	0.62934541	0.71722098	-0.0878756	0.7159406	0.89054584
Tardbp	1.14158933	0.81672278	0.90465249	-0.0879297	0.67466663	0.89054584
Actr1a	0.47873545	0.38555457	0.47354797	-0.0879934	0.80667589	0.89054584
Pycrl	0.56917776	0.46144547	0.54951318	-0.0880677	0.77236713	0.89054584
Dnajc5	0.8076468	0.63527679	0.72353778	-0.088261	0.71509198	0.89054584
Tbca	2.58513079	1.03500966	1.12327197	-0.0882623	0.64284781	0.89054584
Eif1b	1.63894426	0.9810918	1.06936647	-0.0882747	0.64972899	0.89054584
Aff4	0.486381	0.39188099	0.48016678	-0.0882858	0.8041713	0.89054584
Pum2	0.87072764	0.67447105	0.76280126	-0.0883302	0.70522633	0.89054584
Wac	0.86335792	0.66990991	0.75836314	-0.0884532	0.70657455	0.89054584
Ldb1	0.43295966	0.34467633	0.43318691	-0.0885106	0.8294349	0.89271879
Fubp1	1.89143374	1.02027802	1.10881296	-0.0885349	0.64505379	0.89054584
Gpr108	0.43194862	0.34372631	0.4322816	-0.0885553	0.83006192	0.89271879
Pafah1b3	1.07958186	0.78651241	0.87517628	-0.0886639	0.68153521	0.89054584
Mrpl4	0.73181028	0.58381498	0.67251826	-0.0887033	0.73055797	0.89054584
Tmem167	1.63587672	0.97998674	1.06871475	-0.088728	0.65054777	0.89054584
Pdcl3	1.08688806	0.78961497	0.87878467	-0.0891697	0.68180055	0.89054584
Arl6ip6	0.66530133	0.53512004	0.62440908	-0.089289	0.74736402	0.89054584
Glo1	1.79184158	1.00727137	1.09659202	-0.0893207	0.64783594	0.89054584
Slc25a3	2.69233688	1.02786714	1.11743893	-0.0895718	0.64559393	0.89054584
Polr1c	0.68407765	0.54857791	0.63830431	-0.0897264	0.74373621	0.89054584
Timm9	0.46392564	0.37084955	0.46062592	-0.0897764	0.81806922	0.89054584
Ndufab1	2.15834387	1.03613936	1.12591588	-0.0897765	0.64486272	0.89054584
Luzp1	0.66204881	0.53219016	0.62197715	-0.089787	0.74938399	0.89054584
Hacd2	0.48197484	0.38654297	0.47635675	-0.0898138	0.81013971	0.89054584

Rab6a	1.09740791	0.79405694	0.88391744	-0.0898605	0.68212012	0.89054584
Atg3	0.8699258	0.67244723	0.76232029	-0.0898731	0.70858705	0.89054584
Taf15	0.46955144	0.37557909	0.46554971	-0.0899706	0.81603879	0.89054584
Rnps1	0.89644037	0.68798149	0.77797586	-0.0899944	0.70503417	0.89054584
Krt10	0.48824897	0.39172591	0.4817784	-0.0900525	0.80807772	0.89054584
Nck1	0.67669437	0.5427609	0.63286939	-0.0901085	0.7464449	0.89054584
Vmp1	0.84643215	0.65788397	0.74802221	-0.0901382	0.71274171	0.89054584
Mrpl17	1.41211342	0.91917423	1.00951687	-0.0903426	0.66163635	0.89054584
Pop7	0.649009	0.52179017	0.61215426	-0.0903641	0.75419071	0.89054584
Ptrhd1	0.37205391	0.28722332	0.3776125	-0.0903892	0.86762013	0.90444517
1810043H04	0.76319881	0.60365265	0.69413683	-0.0904842	0.72817942	0.89054584
Uck1	0.48929504	0.39219243	0.48267996	-0.0904875	0.80877938	0.89054584
Ggnbp2	0.86292755	0.66749009	0.75810282	-0.0906127	0.71118947	0.89054584
2810428I15R	1.02506982	0.75664025	0.84735682	-0.0907166	0.69103221	0.89054584
Nelfa	0.52525903	0.42245817	0.51326756	-0.0908094	0.79510945	0.89054584
Unc50	0.82928369	0.64639785	0.73733185	-0.090934	0.71721232	0.89054584
Sugt1	1.01170414	0.7494563	0.84056001	-0.0911037	0.69320556	0.89054584
Eif5b	1.7762136	1.00316564	1.094287	-0.0911214	0.65097362	0.89054584
Rwdd1	1.4751535	0.93702498	1.02862324	-0.0915983	0.66088359	0.89054584
Mesdc2	0.9092977	0.69363255	0.78538551	-0.091753	0.70687648	0.89054584
Plgrkt	0.73569703	0.58340726	0.67523353	-0.0918263	0.73682192	0.89054584
Arglu1	1.13321084	0.80889505	0.90081286	-0.0919178	0.68274639	0.89054584
Chic2	0.64499742	0.51713586	0.60910916	-0.0919733	0.75912272	0.89054584
Exosc3	0.54331938	0.43620954	0.52832202	-0.0921125	0.79168517	0.89054584
Exoc3	0.58160841	0.46731934	0.55954595	-0.0922266	0.7787283	0.89054584
Abce1	0.60122017	0.48293846	0.57516673	-0.0922283	0.77248739	0.89054584
Rtn3	1.50444948	0.94453669	1.03677641	-0.0922397	0.66074447	0.89054584
Vps4b	0.72212992	0.57345597	0.6657099	-0.0922539	0.74074212	0.89054584
Ddx54	0.50038347	0.39991861	0.49219631	-0.0922777	0.80879523	0.89054584
Dctn6	0.54880307	0.44055934	0.53285174	-0.0922924	0.79015243	0.89054584

Bfar	0.60637774	0.48687328	0.57923298	-0.0923597	0.7712217	0.89054584
Psmg4	0.64366814	0.51568933	0.60809768	-0.0924084	0.76052324	0.89054584
Nudcd3	0.86368492	0.66605207	0.75856085	-0.0925088	0.71504087	0.89054584
Adss	0.71301245	0.56668302	0.65923619	-0.0925532	0.74347307	0.89054584
Mrps35	0.46235537	0.36669055	0.45924827	-0.0925577	0.82612727	0.89170439
Tnp01	0.45443429	0.35957028	0.45227607	-0.0927058	0.83020397	0.89271879
Ubfd1	0.72841074	0.57736011	0.67013495	-0.0927748	0.74053422	0.89054584
Use1	1.32417259	0.88663638	0.97949793	-0.0928616	0.670644	0.89054584
Ddx42	0.68176631	0.5437157	0.63660683	-0.0928911	0.75168892	0.89054584
Hnrnp	1.64101799	0.97689432	1.06980444	-0.0929101	0.65712105	0.89054584
Rbbp6	0.7857439	0.61625532	0.70922796	-0.0929726	0.72931421	0.89054584
Ap2a1	0.58185227	0.46674471	0.55974176	-0.0929971	0.78054922	0.89054584
Trappc5	0.54731078	0.43856094	0.53162073	-0.0930598	0.79261951	0.89054584
Rsrc2	1.8050835	1.00537766	1.09846614	-0.0930885	0.65351124	0.89054584
Snrpe	2.46264959	1.03451371	1.12800306	-0.0934893	0.65030163	0.89054584
Sin3b	1.49975967	0.94196315	1.03550047	-0.0935373	0.66306575	0.89054584
Ep400	0.46359373	0.3667035	0.46033485	-0.0936314	0.82833879	0.89229532
Qrich1	0.70447263	0.55930052	0.65311922	-0.0938187	0.74832992	0.89054584
Ten1	0.76485861	0.60138076	0.69526042	-0.0938797	0.7353542	0.89054584
Gtf2h5	1.66473488	0.98068147	1.07467077	-0.0939893	0.65816672	0.89054584
Cyfip1	0.54281389	0.43386875	0.52790354	-0.0940348	0.79669987	0.89054584
Snrnp70	1.49054796	0.93889293	1.03295947	-0.0940665	0.6643144	0.89054584
Alkbh5	0.70023952	0.55595151	0.65006849	-0.094117	0.75001024	0.89054584
Fam120a	0.61903809	0.49500916	0.58913801	-0.0941289	0.77167578	0.89054584
Syncrip	1.00999246	0.74541482	0.83968117	-0.0942663	0.69952452	0.89054584
Asna1	0.95854261	0.71828574	0.81270387	-0.0944181	0.70583767	0.89054584
Skp1a	1.38578569	0.90636731	1.00088891	-0.0945216	0.67002402	0.89054584
Snrnp40	0.96386334	0.72096143	0.81555654	-0.0945951	0.70553362	0.89054584
Evl	0.62159718	0.49651141	0.5911269	-0.0946155	0.77207806	0.89054584
Ddb1	1.44991031	0.92650586	1.02124586	-0.09474	0.66720398	0.89054584

Sap18	1.65588659	0.97811903	1.07288652	-0.0947675	0.65965501	0.89054584
mt-Atp8	0.9283349	0.70130387	0.7961428	-0.0948389	0.71054825	0.89054584
Ndufs6	1.95771436	1.01977438	1.11470563	-0.0949313	0.65423059	0.89054584
Gtf3c1	0.40197244	0.31019217	0.40517245	-0.0949803	0.86261557	0.90267402
Apip	0.55216522	0.44055698	0.53561989	-0.0950629	0.79584699	0.89054584
Slc3a2	1.01556393	0.74728533	0.84253415	-0.0952488	0.70079734	0.89054584
Timm50	0.57520733	0.45908938	0.5543919	-0.0953025	0.78840333	0.89054584
Txndc12	0.97973846	0.72845588	0.8239764	-0.0955205	0.70543378	0.89054584
Hiat1	0.78317177	0.61193185	0.70752481	-0.095593	0.7354776	0.89054584
Fuca1	1.05083124	0.76495711	0.86066422	-0.0957071	0.69779914	0.89054584
Bptf	0.94088679	0.70730905	0.80309434	-0.0957853	0.71078289	0.89054584
Pak1ip1	0.81488	0.63231273	0.72818697	-0.0958742	0.73019523	0.89054584
Mrps26	0.8035451	0.62490941	0.72088466	-0.0959752	0.73245993	0.89054584
Dnajc8	1.50785397	0.941679	1.0376952	-0.0960162	0.66679637	0.89054584
Dnpep	1.04407377	0.76116796	0.85721738	-0.0960494	0.69917341	0.89054584
Plxnb2	0.58759614	0.46826724	0.56434244	-0.0960752	0.78615505	0.89054584
Srsf5	1.7155799	0.98819006	1.08429565	-0.0961056	0.66017513	0.89054584
Stag1	0.46159815	0.36247108	0.4585834	-0.0961123	0.83557811	0.89459411
Psmc3	1.13858476	0.80716842	0.90328093	-0.0961125	0.68995718	0.89054584
Fkbp1a	2.9753663	1.00095464	1.09716562	-0.096211	0.65856313	0.89054584
Srsf1	0.96538832	0.72014613	0.81637033	-0.0962242	0.70854584	0.89054584
Arid1a	0.80711737	0.62693756	0.72319602	-0.0962585	0.73240796	0.89054584
Ptbp1	0.82293131	0.63698902	0.73331747	-0.0963285	0.72973035	0.89054584
BC029214	0.43521229	0.33886725	0.43520181	-0.0963346	0.8487964	0.89883797
Knop1	1.20110634	0.83462888	0.93096887	-0.09634	0.68514103	0.89054584
Med29	0.86473556	0.66281575	0.75919557	-0.0963798	0.72289127	0.89054584
Mrps14	1.51684224	0.94375078	1.04013876	-0.096388	0.66703355	0.89054584
Zfp106	0.7582295	0.59422099	0.69076105	-0.0965401	0.74251836	0.89054584
Hmox2	0.85538586	0.65684317	0.7535188	-0.0966756	0.72499229	0.89054584
Zfp451	0.49364336	0.38970244	0.48642027	-0.0967178	0.82287181	0.89075401

Utp3	0.83225883	0.64240269	0.73920181	-0.0967991	0.7290997	0.89054584
Nras	0.73816327	0.58013312	0.67695086	-0.0968177	0.74739778	0.89054584
Cops7a	0.91522464	0.69170019	0.78876019	-0.09706	0.71677946	0.89054584
Smc1a	1.04284209	0.75950306	0.85658577	-0.0970827	0.70126061	0.89054584
Trim44	0.57714082	0.45882437	0.55595158	-0.0971272	0.79215968	0.89054584
Ncstn	0.54716853	0.43436127	0.53150331	-0.097142	0.80275626	0.89054584
Twistnb	0.52008669	0.41174034	0.50891763	-0.0971773	0.813165	0.89054584
Gatad2b	0.77852339	0.60716814	0.70443482	-0.0972667	0.73998382	0.89054584
Rad23b	1.4352504	0.91938803	1.01677867	-0.0973906	0.67229158	0.89054584
Gm10093	0.76193761	0.59584041	0.69328173	-0.0974413	0.74370754	0.89054584
Mthfs1	0.50185051	0.39598466	0.49344978	-0.0974651	0.8212721	0.89054584
Brix1	0.71216922	0.5611464	0.65863447	-0.0974881	0.75477563	0.89054584
Emd	0.70870021	0.55866305	0.65615372	-0.0974907	0.75560067	0.89054584
Serbp1	2.9465515	1.00185234	1.09943237	-0.09758	0.66038129	0.89054584
Ndufa7	2.47817689	1.02992522	1.12756947	-0.0976443	0.6566917	0.89054584
Naa50	0.64530188	0.51153738	0.60934066	-0.0978033	0.77270702	0.89054584
O610037L13F	0.67467866	0.53350298	0.63137917	-0.0978762	0.76492271	0.89054584
Polr2j	1.23391507	0.84675289	0.94464717	-0.0978943	0.68538413	0.89054584
Rpp21	0.91417537	0.68995016	0.78816464	-0.0982145	0.7192309	0.89054584
Hsd17b12	0.71310229	0.56108124	0.65930027	-0.098219	0.756179	0.89054584
Yipf1	0.68954972	0.54404608	0.64230807	-0.098262	0.76199579	0.89054584
Ube2l3	1.55962518	0.95289047	1.05116394	-0.0982735	0.66842384	0.89054584
Tm9sf2	0.96446922	0.71756298	0.81588006	-0.0983171	0.71274527	0.89054584
Ndn12	0.82060751	0.63349518	0.73184156	-0.0983464	0.73436814	0.89054584
Mrpl36	0.73993566	0.57978953	0.67818235	-0.0983928	0.75045865	0.89054584
Mum1	0.6042234	0.47904836	0.57753668	-0.0984883	0.78654699	0.89054584
Mga	0.57983112	0.45940031	0.55811763	-0.0987173	0.79504512	0.89054584
Cdc26	1.3306154	0.88310105	0.98183166	-0.0987306	0.68028354	0.89054584
Ywhaz	1.13782897	0.80412467	0.90293498	-0.0988103	0.69491785	0.89054584
Esd	1.96825253	1.01648724	1.11552256	-0.0990353	0.6604229	0.89054584

Chd9	0.45839096	0.35669659	0.45576351	-0.0990669	0.84439577	0.89775379
Rbm10	0.47571137	0.37179584	0.47092005	-0.0991242	0.83662053	0.89462889
Bag1	1.83964008	1.00362126	1.10298653	-0.0993653	0.66265216	0.89054584
Tgoln1	0.54243451	0.4281915	0.52758934	-0.0993978	0.80995884	0.89054584
Ndufa10	1.4378902	0.91818753	1.01759199	-0.0994045	0.6754861	0.89054584
Hdac1	1.51233244	0.93949229	1.03891295	-0.0994207	0.67214569	0.89054584
Tor2a	0.92235212	0.69328612	0.79278862	-0.0995025	0.72063918	0.89054584
Slirp	1.35442543	0.890691	0.99023817	-0.0995472	0.68023514	0.89054584
Ccni	0.72263286	0.56650064	0.66606528	-0.0995646	0.75691925	0.89054584
Uchl3	0.81159806	0.62639486	0.72608202	-0.0996872	0.73879914	0.89054584
Swt1	0.60451513	0.47803662	0.57776657	-0.0997299	0.78935731	0.89054584
Tex261	0.75696542	0.58984285	0.68989964	-0.1000568	0.75038145	0.89054584
Rnf4	0.69366785	0.54525015	0.64530726	-0.1000571	0.76497104	0.89054584
Commd1	1.51255449	0.93885751	1.03897356	-0.1001161	0.67326184	0.89054584
Phpt1	0.97749663	0.72265544	0.82279523	-0.1001398	0.71465136	0.89054584
Gnb2	3.19121549	0.97622969	1.076388	-0.1001583	0.66768012	0.89054584
Zmynd8	0.72025873	0.56408963	0.66438613	-0.1002965	0.75907157	0.89054584
Chtf8	0.69876316	0.54866694	0.64900152	-0.1003346	0.76431899	0.89054584
Cyhr1	0.6624435	0.52178573	0.62227266	-0.1004869	0.7740777	0.89054584
Tulp4	0.6292079	0.49625968	0.59701582	-0.1007561	0.78414596	0.89054584
Ndufv1	1.00302726	0.73532277	0.83608344	-0.1007607	0.71276234	0.89054584
Arpc2	2.4559281	1.02740432	1.12817591	-0.1007716	0.6613494	0.89054584
Mrpl28	1.19379251	0.82692813	0.92781711	-0.100889	0.69378364	0.89054584
Rbm42	0.86345902	0.65746973	0.75842428	-0.1009545	0.73242242	0.89054584
Ndufa13	2.63056265	1.01977534	1.12092004	-0.1011447	0.66290089	0.89054584
Srsf11	1.88021802	1.00646914	1.10762713	-0.101158	0.66476184	0.89054584
Ago2	0.59793069	0.47140407	0.57256449	-0.1011604	0.79478566	0.89054584
Ict1	1.03125473	0.74942712	0.85059305	-0.1011659	0.71024983	0.89054584
Pfdn5	3.00177194	0.99371943	1.09493967	-0.1012202	0.66665297	0.89054584
Mrpl2	0.68789727	0.53986217	0.64110124	-0.1012391	0.76904748	0.89054584

Nsa2	1.30252228	0.87027011	0.97151532	-0.1012452	0.6863482	0.89054584
Rere	0.59071124	0.46533063	0.56682833	-0.1014977	0.7979276	0.89054584
Ube2d2a	1.92723375	1.01062751	1.11220491	-0.1015774	0.66476386	0.89054584
Snrpd3	1.80782861	0.99714112	1.09884531	-0.1017042	0.66684241	0.89054584
Znhit1	1.2617278	0.8541549	0.95586351	-0.1017086	0.6899591	0.89054584
Atxn10	1.67446736	0.97482194	1.07659291	-0.101771	0.67018081	0.89054584
Sfpq	1.23839617	0.84457916	0.94645896	-0.1018798	0.6919914	0.89054584
Prpf19	1.31108759	0.87276845	0.97470489	-0.1019364	0.68695612	0.89054584
Cxxc1	0.51756216	0.4045663	0.50678892	-0.1022226	0.82632421	0.89170439
Mllt10	0.695433	0.54426032	0.64658913	-0.1023288	0.76953649	0.89054584
Uqcrc1	1.81881303	0.9978775	1.10032537	-0.1024479	0.66777571	0.89054584
Rsb1l	0.47743381	0.36995404	0.47241754	-0.1024635	0.8438688	0.89775379
Hnrnp1	0.93419582	0.69687053	0.79940313	-0.1025326	0.72493407	0.89054584
Gemin7	1.02216109	0.74329755	0.84588383	-0.1025863	0.71397078	0.89054584
Nono	2.27615514	1.02612849	1.12879913	-0.1026706	0.66412847	0.89054584
Mrpl54	1.59737246	0.95746535	1.06017641	-0.1027111	0.67413616	0.89054584
Copg1	1.08256997	0.77394359	0.87665637	-0.1027128	0.70741936	0.89054584
Sdha	1.38938196	0.89929967	1.00209243	-0.1027928	0.68364124	0.89054584
Tmem242	0.81350757	0.62440555	0.72730769	-0.1029021	0.74510475	0.89054584
Mbtps1	0.73704863	0.57307059	0.67617524	-0.1031046	0.76127359	0.89054584
Stard7	0.54065964	0.42291671	0.52611819	-0.1032015	0.81961042	0.89054584
Trna1ap	0.55468031	0.43441183	0.5376858	-0.103274	0.81456598	0.89054584
Kmt2e	1.23428319	0.84143112	0.94479649	-0.1033654	0.69487302	0.89054584
Emg1	1.37734907	0.89464616	0.99803608	-0.1033899	0.68532269	0.89054584
Dbnl	0.94551407	0.70219486	0.80563124	-0.1034364	0.72513656	0.89054584
Bod1l	0.74087617	0.57527689	0.67883491	-0.103558	0.76137532	0.89054584
Snrpa1	0.75997732	0.58833113	0.69195037	-0.1036192	0.75730954	0.89054584
Nsrp1	0.65809611	0.51535394	0.61901178	-0.1036578	0.78235523	0.89054584
Pbrm1	1.20849691	0.83042854	0.9341189	-0.1036904	0.69747714	0.89054584
Pja1	1.01860526	0.74035587	0.84408221	-0.1037263	0.71651552	0.89054584

Mrps5	0.69308756	0.54113333	0.64488537	-0.103752	0.77323749	0.89054584
Arl1	1.87591061	1.00316011	1.10715853	-0.1039984	0.66917167	0.89054584
Kif3a	0.56623244	0.44308317	0.54712153	-0.1040384	0.81217101	0.89054584
Mrpl11	0.90919382	0.68115204	0.78532613	-0.1041741	0.7317163	0.89054584
Cul4a	0.75198494	0.58198836	0.68649446	-0.1045061	0.76091152	0.89054584
Stx6	0.70248075	0.54712184	0.65168529	-0.1045635	0.77262845	0.89054584
Ube2r2	0.85584595	0.64916205	0.75379966	-0.1046376	0.74109476	0.89054584
Ncor1	1.15148978	0.8044055	0.90912969	-0.1047242	0.70425267	0.89054584
Slc25a11	1.19242605	0.82246995	0.92722446	-0.1047545	0.70067767	0.89054584
Thrap3	1.30057602	0.86591171	0.97078433	-0.1048726	0.69262319	0.89054584
Vdac3	1.6742015	0.97166219	1.07654077	-0.1048786	0.67504334	0.89054584
Igfbp1	0.68494908	0.53377188	0.63894332	-0.1051714	0.7784211	0.89054584
Rexo1	0.53470173	0.41598164	0.5211649	-0.1051833	0.82646385	0.89172233
Mtif2	0.45866923	0.35054985	0.45600843	-0.1054586	0.8593599	0.90131997
Prkrip1	0.55331584	0.43103328	0.53656553	-0.1055323	0.82025185	0.89054584
Rbm26	0.49419422	0.38123448	0.48689326	-0.1056588	0.84399619	0.89775379
Zfp358	0.46187793	0.35315251	0.4588291	-0.1056766	0.85837295	0.90124516
Serinc1	1.46984836	0.92129266	1.02710415	-0.1058115	0.6843723	0.89054584
Rpl36	4.63575669	0.699275	0.80512637	-0.1058514	0.72990283	0.89054584
Cct3	2.11237395	1.01796782	1.1239939	-0.1060261	0.66984198	0.89054584
Wtap	0.96597506	0.71047202	0.81668298	-0.106211	0.7277104	0.89054584
Faf1	0.51280007	0.39653183	0.50276244	-0.1062306	0.83754192	0.89485554
Smарcb1	1.12461909	0.79054139	0.89683531	-0.1062939	0.70958847	0.89054584
Ssbp3	0.75174656	0.5800338	0.68633103	-0.1062972	0.76471906	0.89054584
Ccn1	1.0686051	0.76318317	0.8696989	-0.1065157	0.71586473	0.89054584
Tmco1	1.54438107	0.94083955	1.04736623	-0.1065267	0.68219896	0.89054584
Ash1l	1.17534421	0.8131125	0.91976628	-0.1066538	0.70548393	0.89054584
H13	1.15208759	0.80239191	0.90939796	-0.107006	0.70822381	0.89054584
Sh3glb2	0.5404463	0.41891116	0.52594122	-0.1070301	0.82846165	0.89235044
Exosc5	0.52975015	0.40991995	0.51703083	-0.1071109	0.83277048	0.89393134

Mettl23	0.55960413	0.43457487	0.54171828	-0.1071434	0.82159636	0.89054584
Fam114a2	0.75489065	0.58132395	0.68848329	-0.1071593	0.76581794	0.89054584
Poldip3	0.63437996	0.49382157	0.60099604	-0.1071745	0.79696236	0.89054584
Zfp260	0.72704145	0.56179623	0.66917265	-0.1073764	0.77264338	0.89054584
Psmc8	1.74155174	0.98140835	1.08879054	-0.1073822	0.67705848	0.89054584
Zcrb1	1.4617542	0.9171576	1.02475639	-0.1075988	0.68764498	0.89054584
Mcrs1	0.57759117	0.44859245	0.55631452	-0.1077221	0.8165074	0.89054584
Atp6v0e	1.96868643	1.00775347	1.11555533	-0.1078019	0.67372319	0.89054584
Rars	0.73064876	0.56345739	0.67170489	-0.1082475	0.77361469	0.89054584
Cryz1	0.82659231	0.62730323	0.73563464	-0.1083314	0.75367102	0.89054584
Yipf3	0.94769108	0.69846327	0.80682169	-0.1083584	0.73424705	0.89054584
N6amt2	0.66407103	0.51481309	0.62349005	-0.108677	0.79162517	0.89054584
Irf2bp1	0.53570038	0.41322447	0.52199677	-0.1087723	0.83418048	0.89427341
Cnot4	0.8118518	0.61745048	0.72624505	-0.1087946	0.75738922	0.89054584
Ddx3x	0.87032383	0.65371506	0.7625591	-0.108844	0.74697316	0.89054584
Dpm1	0.80986961	0.61612465	0.72497044	-0.1088458	0.7578756	0.89054584
Topors	0.5888247	0.45644335	0.56532363	-0.1088803	0.81522147	0.89054584
Puf60	1.38198869	0.89053941	0.99961008	-0.1090707	0.69439676	0.89054584
Sdf4	1.48769468	0.92301012	1.03216303	-0.1091529	0.68888437	0.89054584
Glg1	0.72099688	0.55571474	0.66490863	-0.1091939	0.77789682	0.89054584
Gps1	1.03244699	0.74179906	0.85121388	-0.1094148	0.7253666	0.89054584
Gm10076	2.7519289	1.00398899	1.11375056	-0.1097616	0.67693487	0.89054584
Myeov2	2.13666841	1.01517846	1.12506721	-0.1098887	0.67546444	0.89054584
Tom22	1.59348355	0.94931586	1.05927589	-0.10996	0.68567566	0.89054584
Eif3h	2.63178329	1.01082976	1.12085484	-0.1100251	0.67628301	0.89054584
Atp5g3	2.14082983	1.01512919	1.1252388	-0.1101096	0.67576836	0.89054584
Hibadh	0.79583899	0.60567279	0.71586685	-0.1101941	0.76336083	0.89054584
Atad1	0.60283493	0.46624439	0.57644175	-0.1101974	0.81343928	0.89054584
Hnrnp2	0.92765213	0.68546122	0.79576134	-0.1103001	0.74078704	0.89054584
Atp6ap1	0.84442356	0.63638337	0.74678107	-0.1103977	0.75450586	0.89054584

Polr2k	1.5129022	0.92861137	1.03906842	-0.1104571	0.68979302	0.89054584
Rsrp1	2.8862425	0.99359498	1.10412722	-0.1105322	0.67953484	0.89054584
Hint2	0.86406989	0.64825668	0.75879351	-0.1105368	0.75133244	0.89054584
Mrpl9	0.58574829	0.45227108	0.56286477	-0.1105937	0.82001059	0.89054584
Med8	0.59772803	0.46172712	0.57240395	-0.1106768	0.81615979	0.89054584
Dnajc7	1.24414371	0.83806278	0.94879457	-0.1107318	0.70668811	0.89054584
Poldip2	0.66094204	0.51038754	0.62114793	-0.1107604	0.79694599	0.89054584
Dap3	0.70876971	0.54529875	0.6562035	-0.1109048	0.78447795	0.89054584
Timm13	2.20475289	1.01642586	1.12738397	-0.1109581	0.67671667	0.89054584
B230219D22	1.06269755	0.75553089	0.86671882	-0.1111879	0.72497232	0.89054584
St13	2.05641796	1.00983539	1.12113447	-0.1112991	0.67814217	0.89054584
Cuta	1.40072866	0.89430895	1.00584067	-0.1115317	0.69728314	0.89054584
Cbx6	1.28316321	0.85260167	0.96420084	-0.1115992	0.70513876	0.89054584
Mrpl19	0.51721604	0.39466535	0.50649675	-0.1118314	0.84818165	0.89876755
Ankrd17	0.77720346	0.59165526	0.70355455	-0.1118993	0.77065254	0.89054584
Psmc7	1.61019107	0.95113535	1.06309081	-0.1119555	0.68815913	0.89054584
Snw1	1.12313533	0.78407839	0.89614397	-0.1120656	0.71992376	0.89054584
Cnot6	0.64137326	0.4942512	0.60634857	-0.1120974	0.80546678	0.89054584
Txn1	1.78158065	0.98285965	1.0950884	-0.1122287	0.68348473	0.89054584
Stx5a	0.9586594	0.70052573	0.81276671	-0.112241	0.74001371	0.89054584
Prpf4b	1.10639659	0.77579493	0.88824308	-0.1124481	0.72233897	0.89054584
Uba2	1.23450575	0.83229456	0.94488672	-0.1125922	0.71060627	0.89054584
Ddx46	0.83123381	0.6259121	0.73855829	-0.1126462	0.76133075	0.89054584
Fh1	0.8306336	0.62550666	0.7381811	-0.1126744	0.76149853	0.89054584
Pcyox1l	0.45457402	0.33971089	0.45239939	-0.1126885	0.87707718	0.90957546
Nudt5	0.68664245	0.52748256	0.64018353	-0.112701	0.7939439	0.89054584
Naa20	1.20282013	0.81896972	0.93170244	-0.1127327	0.71352612	0.89054584
Psmc3	2.06051862	1.00828524	1.12135023	-0.113065	0.68073601	0.89054584
Mat2b	0.62511888	0.48078561	0.5938566	-0.113071	0.81247881	0.89054584
Commd7	0.79082477	0.59943166	0.71257859	-0.1131469	0.7702805	0.89054584

Ywhaq	2.93710337	0.98700059	1.10017462	-0.113174	0.68412364	0.89054584
Mplkip	0.6415149	0.49325991	0.60645663	-0.1131967	0.80774146	0.89054584
Lasp1	0.74121299	0.5657847	0.67906846	-0.1132838	0.78148412	0.89054584
Atp5o	2.47940489	1.01419465	1.12753316	-0.1133385	0.68021929	0.89054584
Lman2l	0.87386008	0.6512484	0.76467567	-0.1134273	0.75524192	0.89054584
Rbmxl1	1.05673831	0.7500576	0.86368888	-0.1136313	0.73004659	0.89054584
Ywhab	1.83562877	0.98885132	1.1024926	-0.1136413	0.68446742	0.89054584
Rpl4	4.75398329	0.65915673	0.77303425	-0.1138775	0.75374425	0.89054584
Usp14	0.71574667	0.54726415	0.6611838	-0.1139197	0.78893149	0.89054584
Mrpl43	0.85573956	0.63972607	0.75373472	-0.1140087	0.75950265	0.89054584
Fam195b	1.56863438	0.93932558	1.05337051	-0.1140449	0.69301269	0.89054584
Fgfr1op2	0.89993487	0.66563863	0.78000178	-0.1143632	0.75272493	0.89054584
Cox5b	2.91492942	0.98717649	1.10192572	-0.1147492	0.68621845	0.89054584
Gtf2i	0.97085626	0.70416937	0.81927517	-0.1151058	0.74362697	0.89054584
Apopt1	0.59560577	0.45556444	0.57072107	-0.1151566	0.82640477	0.89172233
Amz2	0.5336441	0.40510954	0.52028322	-0.1151737	0.84880863	0.89883797
Psmc3	1.51096074	0.92326591	1.03853795	-0.115272	0.69746277	0.89054584
Smn1	0.52150719	0.39481341	0.51011386	-0.1153005	0.85384214	0.90035231
Tmem214	0.63798703	0.48838694	0.60376103	-0.1153741	0.81334431	0.89054584
Hnrnp3	1.17150603	0.80262488	0.91807324	-0.1154484	0.72101692	0.89054584
Snrpd2	2.49559137	1.01155031	1.1270226	-0.1154723	0.68344177	0.89054584
Phf5a	0.98726913	0.71242236	0.82791741	-0.1154951	0.74212983	0.89054584
Rbm7	0.80060165	0.60318037	0.71897316	-0.1157928	0.77347396	0.89054584
Rtf1	0.96259021	0.69902929	0.81487585	-0.1158466	0.74612232	0.89054584
Bola1	0.57119662	0.43521104	0.55114923	-0.1159382	0.83646721	0.89462889
Usp50	0.68083812	0.51981712	0.6359241	-0.116107	0.80251231	0.89054584
Txnrd1	0.79018876	0.59587938	0.7121602	-0.1162808	0.77658407	0.89054584
lws1	0.54859547	0.41638944	0.53268057	-0.1162911	0.84544892	0.89825055
Usp5	0.54394499	0.41245465	0.52883973	-0.1163851	0.84739447	0.89854206
Spag7	1.35712365	0.87451126	0.99116886	-0.1166576	0.70827194	0.89054584

Jtb	1.16561116	0.79872038	0.91545431	-0.1167339	0.72377193	0.89054584
Ppp2r1a	1.27129174	0.84276853	0.95962328	-0.1168547	0.71475369	0.89054584
Aip	0.69116168	0.52652224	0.64348347	-0.1169612	0.80145262	0.89054584
Ttc1	0.70207674	0.53441995	0.65139411	-0.1169742	0.79859965	0.89054584
Kars	0.67157854	0.51196158	0.62908169	-0.1171201	0.80713432	0.89054584
Nipsnap3b	0.6498729	0.49566426	0.61280857	-0.1171443	0.8134286	0.89054584
Cdk12	0.79928118	0.60091538	0.71811358	-0.1171982	0.77647808	0.89054584
Dpp3	0.63896035	0.48704401	0.60450558	-0.1174616	0.81734137	0.89054584
Hdac2	1.34164591	0.8680861	0.98576928	-0.1176832	0.7109609	0.89054584
Ilf3	0.54283689	0.41020514	0.52792257	-0.1177174	0.8505655	0.89942466
Clptm1	0.83290567	0.62179879	0.73960751	-0.1178087	0.77098709	0.89054584
Csnk2b	1.16044096	0.79523275	0.91313868	-0.1179059	0.72626979	0.89054584
Fau	4.70268141	0.66921434	0.78718816	-0.1179738	0.75748123	0.89054584
Sucla2	0.8959892	0.65961695	0.77771364	-0.1180967	0.76036135	0.89054584
Stard3nl	0.6443982	0.49032061	0.60865335	-0.1183327	0.81747353	0.89054584
Prkra	0.65409541	0.4973987	0.61599931	-0.1186006	0.81514136	0.89054584
Uqcrfs1	1.82230392	0.98213237	1.10078502	-0.1186527	0.69223066	0.89054584
Mrps17	1.19281665	0.8084673	0.92739399	-0.1189267	0.72489684	0.89054584
Rpl18	4.59623288	0.69590618	0.8149501	-0.1190439	0.75192354	0.89054584
Mrpl32	1.10220356	0.76709699	0.88623275	-0.1191358	0.73444052	0.89054584
Ptov1	2.5697418	1.00483828	1.12401591	-0.1191776	0.68933991	0.89054584
Kif1b	0.94771261	0.68736533	0.80683344	-0.1194681	0.75485607	0.89054584
Chd1	0.70609983	0.53465047	0.65428852	-0.1196381	0.80286446	0.89054584
Ilkap	0.8535861	0.63275023	0.75241868	-0.1196684	0.77064765	0.89054584
Cdc42	2.77096065	0.99281436	1.112504	-0.1196896	0.69189745	0.89054584
Pmpcb	0.81389436	0.60769452	0.72755564	-0.1198611	0.77861885	0.89054584
Ube2n	2.14293344	1.00545381	1.12532358	-0.1198698	0.69014863	0.89054584
Prcc2b	0.62633658	0.47460012	0.59479848	-0.1201984	0.82677321	0.89184004
Nucb1	1.14946549	0.78786319	0.90821953	-0.1203563	0.73151395	0.89054584
Lypla1	0.58743059	0.44381295	0.56421015	-0.1203972	0.8399311	0.89545709

1700123O20	0.79139534	0.592055	0.7129537	-0.1208987	0.78524696	0.89054584
Thap11	0.61175259	0.46254126	0.58345138	-0.1209101	0.83284887	0.89393134
Tpgs1	0.73081677	0.55075659	0.6718226	-0.121066	0.79942412	0.89054584
Ube2w	0.86229779	0.63632059	0.75772163	-0.121401	0.7723018	0.89054584
Grcc10	1.19515963	0.80696363	0.92840885	-0.1214452	0.72888239	0.89054584
Msl1	0.87797484	0.64556551	0.7671269	-0.1215614	0.76982504	0.89054584
Emc8	0.69954772	0.52797176	0.64956872	-0.121597	0.80843324	0.89054584
Nsmce4a	0.48826214	0.36005037	0.48178975	-0.1217394	0.88044784	0.91159931
Rpl37a	5.58003435	0.55603404	0.67817233	-0.1221383	0.79928544	0.89054584
Stk16	0.85813537	0.63298097	0.75519486	-0.1222139	0.77456362	0.89054584
Thoc3	0.85362593	0.63013742	0.75244305	-0.1223056	0.77556079	0.89054584
Ubn1	0.55601041	0.41646447	0.53877669	-0.1223122	0.85489599	0.90074724
Hadha	0.86408982	0.63643621	0.75880555	-0.1223693	0.77377223	0.89054584
Btf3l4	1.42201686	0.89023169	1.01265435	-0.1224227	0.71336175	0.89054584
Timm17a	1.44142583	0.89620263	1.01867518	-0.1224725	0.71230524	0.89054584
Morf4l1	3.4258789	0.92091183	1.04455206	-0.1236402	0.70934209	0.89054584
Ddx47	0.67004655	0.50359629	0.62794385	-0.1243476	0.82188675	0.89056159
Dynll1	4.11345396	0.8126031	0.93697113	-0.124368	0.73184429	0.89054584
Sf3a3	0.75479119	0.56403323	0.68841531	-0.1243821	0.80004224	0.89054584
Ndufa2	2.81771181	0.98388706	1.10919828	-0.1253112	0.70067469	0.89054584
Psmb4	1.95800679	0.98939926	1.11472885	-0.1253296	0.69979373	0.89054584
Ubp2l	1.49239908	0.90804725	1.03347381	-0.1254266	0.71410863	0.89054584
Zfp207	1.48972744	0.90723334	1.03273089	-0.1254976	0.71435578	0.89054584
Rps10	4.28300451	0.76841682	0.89405604	-0.1256392	0.74367216	0.89054584
Dda1	0.70412746	0.52716243	0.65287094	-0.1257085	0.81515824	0.89054584
Lman2	1.3726458	0.87072791	0.99643907	-0.1257112	0.72165797	0.89054584
Chrac1	0.7912675	0.58686432	0.71286967	-0.1260054	0.79488947	0.89054584
Erh	3.22728193	0.94611866	1.07221942	-0.1261008	0.70812836	0.89054584
Ilf2	1.25262343	0.8259386	0.95222759	-0.126289	0.73167644	0.89054584
Sumo3	1.56800623	0.92683555	1.0532173	-0.1263817	0.7119375	0.89054584

Rnf187	1.46144018	0.89807105	1.02466457	-0.1265935	0.71755551	0.89054584
Mettl16	0.49433036	0.36005692	0.48701016	-0.1269532	0.88771915	0.91537513
Raf1	0.68614015	0.51278877	0.63981586	-0.1270271	0.82250977	0.89073269
Phf3	0.78111893	0.57892513	0.70616213	-0.127237	0.79939233	0.89054584
Mocs2	0.8112138	0.5983857	0.72583506	-0.1274494	0.79333949	0.89054584
Ugp2	0.70801853	0.5281916	0.65566523	-0.1274736	0.81747533	0.89054584
Brk1	1.80760913	0.97108146	1.09881511	-0.1277336	0.70594834	0.89054584
Rab8a	0.82178219	0.604841	0.73258813	-0.1277471	0.79172353	0.89054584
Pak2	0.80332957	0.59235496	0.7207449	-0.1283899	0.79670822	0.89054584
Phb	0.90394571	0.65360861	0.78231597	-0.1287074	0.7783086	0.89054584
Ubxn1	1.41274194	0.88074539	1.00971766	-0.1289723	0.72410878	0.89054584
Hbp1	0.78507283	0.57970357	0.70878401	-0.1290804	0.80191037	0.89054584
Uqcrc2	1.54610171	0.91844074	1.04780097	-0.1293602	0.71741766	0.89054584
Gm21092	0.79421552	0.58531872	0.71480421	-0.1294855	0.80065378	0.89054584
Ctbp1	0.78606656	0.57991292	0.7094413	-0.1295284	0.80250982	0.89054584
Ginm1	0.98399301	0.69667631	0.82620798	-0.1295317	0.76743385	0.89054584
Ndufb7	2.20972017	0.99774384	1.12749506	-0.1297512	0.70407159	0.89054584
Trip11	0.72845552	0.54025368	0.6701664	-0.1299127	0.81677485	0.89054584
Ndufv2	1.76477659	0.96261618	1.09253731	-0.1299211	0.71021973	0.89054584
Vps29	1.47292719	0.8979705	1.02798765	-0.1300171	0.72215338	0.89054584
Eif3i	1.9098522	0.98055729	1.11063609	-0.1300788	0.70735011	0.89054584
Eprs	1.34706484	0.85749775	0.98767704	-0.1301793	0.73041374	0.89054584
Trim28	0.97060549	0.68889392	0.81914161	-0.1302477	0.77059124	0.89054584
Strn3	0.79802931	0.58662497	0.71729747	-0.1306725	0.80198564	0.89054584
Ntan1	0.91504684	0.65760642	0.78865933	-0.1310529	0.78058914	0.89054584
Csde1	1.49824119	0.90401012	1.03508479	-0.1310747	0.72239467	0.89054584
Ppdpf	1.46041043	0.89307377	1.0243631	-0.1312893	0.72478688	0.89054584
Stoml2	0.84404311	0.6152121	0.74654565	-0.1313335	0.79378038	0.89054584
Tpr	1.75569534	0.95957558	1.09110704	-0.1315315	0.71281558	0.89054584
Ndufs7	1.58834121	0.92646033	1.05807452	-0.1316142	0.71888319	0.89054584

Sf1	0.79337256	0.58250293	0.71425169	-0.1317488	0.80493305	0.89054584
Rchy1	0.97495667	0.68904757	0.82145258	-0.132405	0.77365765	0.89054584
Cyc1	1.52919364	0.91102005	1.0434405	-0.1324204	0.72282509	0.89054584
Gm9843	1.61868196	0.93218874	1.064976	-0.1327873	0.71934718	0.89054584
Bad	0.94145979	0.67049924	0.80340893	-0.1329097	0.7795691	0.89054584
Rbm25	1.79475078	0.96394664	1.09701018	-0.1330635	0.7140017	0.89054584
Grb2	0.56492654	0.41250441	0.54605927	-0.1335549	0.87274874	0.90729956
Supt5	0.80205979	0.58625328	0.71992087	-0.1336676	0.80648743	0.89054584
Rpl13	5.65311119	0.55102385	0.68478844	-0.1337646	0.81860564	0.89054584
Aurkaip1	1.10456669	0.75352173	0.88736801	-0.1338463	0.75888862	0.89054584
Ppp3cb	0.49748713	0.35582026	0.48971766	-0.1338974	0.89863927	0.92243501
Abcf1	1.07687368	0.73966968	0.87383059	-0.1341609	0.76278702	0.89054584
Ndufb9	2.34691812	0.99521496	1.12950139	-0.1342864	0.71017689	0.89054584
Sf3b4	1.10937774	0.7552587	0.88966391	-0.1344052	0.75923552	0.89054584
Dnttip2	0.72966616	0.5360009	0.67101605	-0.1350152	0.82573018	0.89170439
Cox7c	3.67326822	0.87771937	1.01358796	-0.1358686	0.73385623	0.89054584
Sys1	1.32825866	0.84499937	0.98098089	-0.1359815	0.74079967	0.89054584
Timm17b	0.99580043	0.6958868	0.83233239	-0.1364456	0.77749121	0.89054584
U2surp	0.94581509	0.66900665	0.80579605	-0.1367894	0.78549509	0.89054584
Tspan31	0.95266748	0.67263316	0.80952989	-0.1368967	0.78460984	0.89054584
Rps28	4.88640331	0.59784967	0.73487766	-0.137028	0.80750076	0.89054584
Sdf2	1.26066239	0.81834574	0.9554407	-0.137095	0.74809452	0.89054584
Cox7a2	3.14946259	0.94286326	1.0806041	-0.1377408	0.72369678	0.89054584
Ergic2	1.23137405	0.80584048	0.94361412	-0.1377736	0.75182214	0.89054584
Lrrc58	0.86731733	0.62282712	0.76075237	-0.1379253	0.80085279	0.89054584
Rps27l	2.98017072	0.95830277	1.09676538	-0.1384626	0.72179234	0.89054584
Gpx4	2.6483255	0.98146429	1.11994828	-0.138484	0.71772215	0.89054584
Ssbp1	1.11236338	0.75213679	0.89108092	-0.1389441	0.76622087	0.89054584
2310036O22	1.94681901	0.97474476	1.11384995	-0.1391052	0.7196629	0.89054584
Copb1	1.35234625	0.84970355	0.98951805	-0.1398145	0.74482336	0.89054584

Ndufa4	3.44523373	0.90199767	1.04182086	-0.1398232	0.7341058	0.89054584
Zfr	1.28059277	0.82279017	0.9632171	-0.1404269	0.75150223	0.89054584
Whsc1l1	0.86172151	0.61683374	0.75737257	-0.1405388	0.80634828	0.89054584
Lage3	1.06138659	0.72542251	0.86605433	-0.1406318	0.775334	0.89054584
Smu1	0.95781924	0.67162957	0.81231444	-0.1406849	0.79013299	0.89054584
Psmc11	1.40810546	0.86749347	1.00823117	-0.1407377	0.74226228	0.89054584
Rps3a1	5.06721519	0.54654106	0.6874843	-0.1409432	0.83024748	0.89271879
Ngdn	0.68640451	0.4986567	0.64000939	-0.1413527	0.84825437	0.89877891
Pafah1b2	1.24369398	0.80696591	0.94861124	-0.1416453	0.75668121	0.89054584
Plekhj1	1.17304078	0.77695908	0.91875138	-0.1417923	0.76393616	0.89054584
Cwc15	1.28996105	0.82454357	0.96678276	-0.1422392	0.7534709	0.89054584
Polr3k	1.014421	0.69968461	0.84195069	-0.1422661	0.78442655	0.89054584
Txndc9	1.36527142	0.85075622	0.99395303	-0.1431968	0.74895479	0.89054584
Wdr61	1.15592841	0.7678496	0.91111591	-0.1432663	0.76809402	0.89054584
Naca	4.09184502	0.79827881	0.9423003	-0.1440215	0.76179056	0.89054584
Rab7	1.6851054	0.93398866	1.07865172	-0.1446631	0.73395952	0.89054584
Eif3d	1.15869336	0.76765217	0.91235202	-0.1446999	0.77001987	0.89054584
Psenen	1.83544481	0.95745842	1.10246979	-0.1450114	0.72999748	0.89054584
Cpsf6	0.89386487	0.63146272	0.77647697	-0.1450142	0.80787721	0.89054584
Eif3g	1.70317465	0.93672758	1.08203725	-0.1453097	0.73423156	0.89054584
Acin1	1.42630692	0.86855604	1.01399611	-0.1454401	0.74801104	0.89054584
Psmc4	1.62296169	0.92042199	1.0659202	-0.1454982	0.73759417	0.89054584
Mrpl20	1.43524515	0.87053826	1.01677704	-0.1462388	0.74859532	0.89054584
Tomm40	1.07014031	0.72419512	0.8704695	-0.1462744	0.78315478	0.89054584
Cbx1	1.70189485	0.9353607	1.08180022	-0.1464395	0.73587008	0.89054584
Mff	1.33761697	0.83771577	0.9843395	-0.1466237	0.75615243	0.89054584
Tsen34	1.84065465	0.95560699	1.10311041	-0.1475034	0.73334939	0.89054584
Scamp3	0.72172186	0.51775696	0.66542143	-0.1476645	0.84940182	0.89883846
Vapa	2.02876676	0.97172835	1.11959104	-0.1478627	0.73082146	0.89054584
Cfl1	3.60367644	0.8736349	1.02152447	-0.1478896	0.75000032	0.89054584

Mrpl42	1.26826287	0.81055167	0.95844136	-0.1478897	0.76389419	0.89054584
Ap2b1	0.87695112	0.61858581	0.76651822	-0.1479324	0.81571136	0.89054584
Snx6	1.41949096	0.86386124	1.01185945	-0.1479982	0.75220139	0.89054584
Wnk1	0.94632023	0.65794344	0.80607247	-0.148129	0.80404447	0.89054584
Eif3e	2.43694701	0.98028237	1.1286024	-0.14832	0.72982187	0.89054584
Psm1	1.94701932	0.96477401	1.11386607	-0.1490921	0.7335561	0.89054584
Nfu1	0.91792335	0.64094283	0.79028873	-0.1493459	0.81068675	0.89054584
Ccnl2	1.46904532	0.87749618	1.02687285	-0.1493767	0.75102688	0.89054584
Psm12	1.40073163	0.85629432	1.00584164	-0.1495473	0.75574661	0.89054584
Rap1a	1.53868739	0.89613976	1.04591651	-0.1497768	0.7476673	0.89054584
Lamp1	2.55403592	0.97467841	1.12473783	-0.1500594	0.73289197	0.89054584
Nap1l4	1.07859817	0.72369259	0.87468773	-0.1509951	0.78937695	0.89054584
Mrpl14	1.32371407	0.82803927	0.97933089	-0.1512916	0.76415593	0.89054584
Cul1	0.8443344	0.59541585	0.74672591	-0.1513101	0.82742728	0.89203158
Snrpf	2.40196558	0.97779676	1.12917907	-0.1513823	0.73388203	0.89054584
Bcas2	1.71803555	0.93305614	1.08473432	-0.1516782	0.74262482	0.89054584
Luc7l	0.91558029	0.63622336	0.78896187	-0.1527385	0.81645678	0.89054584
Psm1	2.99838305	0.9421545	1.0952289	-0.1530744	0.74252703	0.89054584
Oaz2	1.45544841	0.86974151	1.02290209	-0.1531606	0.75728315	0.89054584
Rpl27a	4.78584569	0.61032529	0.76399044	-0.1536652	0.8256402	0.89170439
Eif2s1	1.21785457	0.78422317	0.93804864	-0.1538255	0.77756469	0.89054584
Phb2	1.95216535	0.96034502	1.11427528	-0.1539303	0.74008388	0.89054584
G3bp2	1.22103361	0.78532316	0.93936782	-0.1540447	0.77756891	0.89054584
Setd5	1.13743771	0.7485729	0.90275573	-0.1541828	0.78689873	0.89054584
Prkcsh	1.22957889	0.78844833	0.94288182	-0.1544335	0.77729288	0.89054584
U2af2	0.86968605	0.6075643	0.76217639	-0.1546121	0.82769465	0.89225348
Ppig	1.4221356	0.85807952	1.01269163	-0.1546121	0.76155118	0.89054584
Magoh	1.48403922	0.87639728	1.03113615	-0.1547389	0.757771	0.89054584
Ppp1r11	1.13048413	0.74426697	0.8995537	-0.1552867	0.78937552	0.89054584
Psm16	1.45076911	0.86590929	1.02150381	-0.1555945	0.76103805	0.89054584

Snrpc	1.53643703	0.88964504	1.04533881	-0.1556938	0.7561298	0.89054584
Prpf40a	1.42251864	0.85671025	1.01281183	-0.1561016	0.76364241	0.89054584
Rpl29	3.63129586	0.86219957	1.01836742	-0.1561679	0.76252681	0.89054584
Rpl14	5.21008401	0.51644355	0.67321032	-0.1567668	0.86101745	0.90188794
Rpl21	4.53628176	0.67406616	0.83085221	-0.156786	0.81034435	0.89054584
Luc7l2	1.94773637	0.95581403	1.11392368	-0.1581096	0.74578595	0.89054584
BC005561	0.92967971	0.63826042	0.79689312	-0.1586327	0.82314764	0.89080883
Sarnp	1.73293604	0.92856674	1.0873355	-0.1587688	0.75183691	0.89054584
Pcnp	1.17527763	0.76050208	0.919737	-0.1592349	0.79005348	0.89054584
Cldnd1	1.25454578	0.79322171	0.95299961	-0.1597779	0.78263057	0.89054584
Gdi2	1.99631486	0.95761402	1.11753255	-0.1599185	0.74751585	0.89054584
Srrm1	1.5675483	0.89263504	1.05310547	-0.1604704	0.76112362	0.89054584
Akr1a1	2.53416447	0.96447898	1.12558553	-0.1611065	0.74756297	0.89054584
Pum1	1.07427929	0.71110615	0.87253916	-0.161433	0.80564936	0.89054584
Ndufb5	2.33935774	0.96766728	1.12945671	-0.1617894	0.74773262	0.89054584
Hnrnpa3	2.80031372	0.94859814	1.11044886	-0.1618507	0.75144768	0.89054584
Cetn3	1.56113837	0.889375	1.0515343	-0.1621593	0.76376471	0.89054584
Atf4	0.89609573	0.61548714	0.77777557	-0.1622884	0.83450491	0.89447377
Pnlsr	1.55706536	0.88807235	1.0505347	-0.1624623	0.76438914	0.89054584
Brd8	0.78256668	0.54453774	0.70712347	-0.1625857	0.85796236	0.90124396
Etf1	0.97376906	0.65760092	0.82082319	-0.1632223	0.82289117	0.89075401
Smarca5	1.4438306	0.85610008	1.01940789	-0.1633078	0.7722739	0.89054584
Uqcrh	3.05686712	0.92467517	1.08974451	-0.1650693	0.7598171	0.89054584
Hnrnpd	1.03494396	0.6873679	0.85251098	-0.1651431	0.81660457	0.89054584
mt-Nd4l	1.11365388	0.72601586	0.89169157	-0.1656757	0.80665296	0.89054584
Igf2bp3	0.79933554	0.55152252	0.71814899	-0.1666265	0.86014645	0.90136633
Cops4	1.31357812	0.80894657	0.97562395	-0.1666774	0.78696714	0.89054584
Ube3a	1.46548337	0.85803817	1.02584258	-0.1678044	0.77699875	0.89054584
Tmem50a	1.62822584	0.8990266	1.06706917	-0.1680426	0.76843185	0.89054584
Map2k2	1.57180852	0.88551835	1.05414163	-0.1686233	0.77194168	0.89054584

Rab14	1.8795456	0.93807154	1.10755446	-0.1694829	0.76205606	0.89054584
Rpl24	4.76395197	0.6001815	0.77019799	-0.1700165	0.84812684	0.89876755
Dgcr6	0.73116811	0.50161811	0.6720687	-0.1704506	0.88131862	0.91201694
Atp5j	3.1758033	0.90723807	1.0779624	-0.1707243	0.76970285	0.89054584
Tomm20	2.44933249	0.957566	1.12833242	-0.1707664	0.75962696	0.89054584
Hypk	1.49458565	0.863301	1.03407894	-0.1707779	0.77917896	0.89054584
Ndufa3	2.17108448	0.95558227	1.12640477	-0.1708225	0.76007435	0.89054584
Fkbp8	1.47272161	0.85634732	1.02792882	-0.1715815	0.78161783	0.89054584
Pcbp1	2.28986136	0.95714692	1.12896475	-0.1718178	0.76085237	0.89054584
Cdc5l	1.10240259	0.71322285	0.88632851	-0.1731057	0.81856797	0.89054584
Sdhb	1.76487394	0.91905668	1.09255244	-0.1734958	0.77029939	0.89054584
Zfp706	1.81912118	0.92656555	1.10036615	-0.1738006	0.76909518	0.89054584
Ap2s1	1.7633142	0.91818672	1.09230944	-0.1741227	0.77115983	0.89054584
Polr2c	1.40670282	0.83252623	1.00777904	-0.1752528	0.79108452	0.89054584
Rplp2	4.94574775	0.54180567	0.71718154	-0.1753759	0.87270543	0.90729956
Mrpl24	1.18968465	0.74987338	0.92603186	-0.1761585	0.81226331	0.89054584
Sf3b2	1.99176079	0.94095324	1.11721607	-0.1762628	0.76884234	0.89054584
Rpl38	4.54128044	0.65308673	0.82951479	-0.1764281	0.83913331	0.89500145
Eif4g1	1.26479778	0.78061808	0.9570779	-0.1764598	0.8048257	0.89054584
Ubb	5.69040312	0.5108806	0.6881667	-0.1772861	0.88497702	0.91404124
Nhp2l1	1.94102398	0.93582366	1.11337698	-0.1775533	0.77125138	0.89054584
Vdac2	2.07038482	0.94340642	1.12184904	-0.1784426	0.77067045	0.89054584
Tia1	1.44643328	0.84167875	1.02019725	-0.1785185	0.79253297	0.89054584
Arf1	3.10194241	0.90611809	1.0855349	-0.1794168	0.77935838	0.89054584
Papola	1.60442626	0.88140433	1.06179035	-0.180386	0.78567408	0.89054584
Rps24	5.08329749	0.50462004	0.68516043	-0.1805404	0.89020803	0.91709202
Cnbp	2.69967891	0.93577192	1.1169579	-0.181186	0.77509881	0.89054584
Nedd8	2.26361421	0.94665216	1.12861988	-0.1819677	0.77372256	0.89054584
Clk1	1.29685303	0.78612556	0.96937959	-0.183254	0.81077027	0.89054584
Psm5	2.01499921	0.93519121	1.1187565	-0.1835653	0.77769684	0.89054584

Pfdn1	1.71349862	0.89854135	1.08392169	-0.1853803	0.78721836	0.89054584
Ndufa8	1.77454327	0.90714406	1.09403503	-0.186891	0.78694737	0.89054584
Sumo1	2.29604509	0.94207601	1.12902415	-0.1869481	0.77977848	0.89054584
Psmc6	1.49745528	0.84737481	1.03486915	-0.1874943	0.80069109	0.89054584
Mdh2	2.43108369	0.94100921	1.12871921	-0.18771	0.78077061	0.89054584
Spcs1	2.71077265	0.9281103	1.11626297	-0.1881527	0.78385876	0.89054584
Acp1	1.24858734	0.76149799	0.95059919	-0.1891012	0.82298372	0.89075401
Uqcrb	3.25413968	0.87846601	1.06838955	-0.1899235	0.79622201	0.89054584
Sf3b1	1.91216852	0.91978063	1.11085182	-0.1910712	0.78853764	0.89054584
Rpl10	5.41718434	0.47752017	0.66929296	-0.1917728	0.90905011	0.92956753
Rps27	5.36339168	0.4755267	0.66874557	-0.1932189	0.91086413	0.93070041
Gng5	3.20179055	0.88076056	1.07517363	-0.1944131	0.80022648	0.89054584
Tra2a	1.52653015	0.84773449	1.04273536	-0.1950009	0.80819494	0.89054584
Cox6b1	3.37684321	0.85392864	1.05167503	-0.1977464	0.80949053	0.89054584
Eif6	1.283001	0.76415321	0.96413888	-0.1999857	0.83307217	0.89393134
Atp5d	2.54173357	0.92241081	1.12527163	-0.2028608	0.79951802	0.89054584
Gmps	0.91102048	0.58320625	0.78636909	-0.2031628	0.88564016	0.91420299
Rala	1.37399901	0.79294679	0.99689177	-0.203945	0.82973795	0.89271879
Oaz1	4.09566005	0.73659884	0.94135769	-0.2047589	0.84456228	0.89775379
Pebp1	3.34861717	0.84986377	1.05568461	-0.2058208	0.81814734	0.89054584
Acaa1a	1.32598469	0.77417366	0.98015684	-0.2059832	0.83623269	0.89462889
Trappc3	0.94101795	0.59629299	0.80316638	-0.2068734	0.88493306	0.91404124
Pdcd6	1.36766554	0.7864007	0.99476365	-0.208363	0.83543325	0.89459411
Eif3c	1.78008594	0.88450642	1.09486647	-0.2103601	0.81464298	0.89054584
Rbm8a	1.85205777	0.89093957	1.10447375	-0.2135342	0.81613659	0.89054584
Psmb2	2.37086108	0.91214379	1.12953223	-0.2173884	0.8150483	0.89054584
Imp3	1.13062643	0.6820953	0.89961938	-0.2175241	0.87002553	0.90589084
Capzb	1.99431475	0.89775363	1.11739445	-0.2196408	0.8201103	0.89054584
Luc7l3	1.32800252	0.76060195	0.98088823	-0.2202863	0.85228813	0.89988783
Srsf10	1.18256333	0.70223583	0.92292474	-0.2206889	0.86736935	0.90444517

Polr2m	1.74080329	0.86524298	1.08866546	-0.2234225	0.83049823	0.89271879
Rps3	4.78980241	0.53821278	0.7628598	-0.224647	0.9149629	0.93370395
Trmt112	1.37086883	0.76977401	0.99584295	-0.2260689	0.85488987	0.90074724
H3f3a	4.63692517	0.57854436	0.80481237	-0.226268	0.90487373	0.92653855
Snrnp27	1.36763418	0.76736395	0.99475306	-0.2273891	0.85655759	0.9009252
Paip2	2.05620037	0.88985345	1.12112286	-0.2312694	0.83173996	0.8933762
Rpl11	4.97083976	0.47610625	0.70971048	-0.2336042	0.93742492	0.94960778
Psme2	1.52804669	0.80942674	1.04313731	-0.2337106	0.85171482	0.89985795
Cct8	2.23816059	0.89258633	1.12817194	-0.2355856	0.83469431	0.89453395
Rhoa	2.40017885	0.89043972	1.12920129	-0.2387616	0.83771251	0.89485554
Scaf11	1.34567791	0.74626736	0.98719043	-0.2409231	0.87223317	0.90701739
Wbp5	3.58786963	0.77882796	1.02332285	-0.2444949	0.86717285	0.90441493
Rpl8	4.70659289	0.54049678	0.78611592	-0.2456191	0.92725802	0.94266789
Tmem234	1.39302502	0.75699768	1.00330398	-0.2463063	0.87363584	0.90763953
Eif3k	2.58204468	0.87616721	1.12342291	-0.2472557	0.84741106	0.89854206
Hnrnpk	3.59172195	0.77476151	1.02288514	-0.2481236	0.87078932	0.90603586
Dynlrb1	2.20824639	0.87687913	1.12746281	-0.2505837	0.84977541	0.89887961
Cdc37	1.8270129	0.85051109	1.10139699	-0.2508859	0.8557129	0.9009252
Rpl19	4.97117058	0.4513353	0.70961251	-0.2582772	0.95502977	0.96306751
Rps27a	5.45724783	0.40823624	0.66957667	-0.2613404	0.9654998	0.9714634
Atp5c1	2.65675205	0.85749712	1.11950673	-0.2620096	0.86222703	0.90260095
Atp5a1	3.10409967	0.81558131	1.08533411	-0.2697528	0.87655774	0.9091719
Pomp	2.28073673	0.85867969	1.12885974	-0.27018	0.8675889	0.90444517
Rpl35a	5.02034984	0.41996803	0.69665378	-0.2766857	0.9678694	0.97334573
Sumo2	3.38036001	0.77290606	1.05115693	-0.2782509	0.89126144	0.91739498
Rps17	4.81161995	0.47839367	0.75665573	-0.2782621	0.95667476	0.9643239
Ociad1	1.377815	0.71605615	0.99819471	-0.2821386	0.90605458	0.92742017
Rpl13a	5.59470221	0.38885389	0.67949252	-0.2906386	0.97685636	0.9806442
Eif1	4.74081423	0.4808724	0.77679722	-0.2959248	0.96203844	0.96851839
Rps15	4.6126677	0.49997811	0.81086296	-0.3108849	0.96296964	0.96932124

Tceb2	3.27188388	0.75368936	1.06596141	-0.312272	0.9138469	0.93295744
Rps25	4.44994286	0.5382688	0.85119864	-0.3129298	0.95662411	0.9643239
Cox4i1	3.9334674	0.65934568	0.97665375	-0.3173081	0.93494368	0.94769024
Rpl27	3.79279396	0.68182875	0.99964513	-0.3178164	0.93072515	0.94499987
Eef1a1	5.8692656	0.38397927	0.70675074	-0.3227715	0.98332018	0.98597247
Sub1	3.52741553	0.70639922	1.03098398	-0.3245848	0.92878133	0.94362101
Cox8a	3.72013164	0.67535404	1.00845874	-0.3331047	0.93808541	0.95016738
Atp5h	3.32641229	0.72387249	1.05857138	-0.3346989	0.92963299	0.94406031
Btf3	3.86525831	0.64696541	0.98954176	-0.3425764	0.94661811	0.95624787
Ybx1	4.00065535	0.60756154	0.9630942	-0.3555327	0.95727281	0.96479257
Rps14	5.80665866	0.30039213	0.6996829	-0.3992908	0.99607828	0.99677103
Eif4a1	4.11475564	0.52752381	0.93667032	-0.4091465	0.97907808	0.98253436
Ywhae	3.80603718	0.55901051	0.99788685	-0.4388763	0.97977036	0.98311155
Hint1	3.2386589	0.62845937	1.07060135	-0.442142	0.97282718	0.97741154
Tpt1	4.92840701	0.25583634	0.72243542	-0.4665991	0.99868975	0.99889645
Rpl41	6.35352843	0.33100554	1.49864807	-1.1676425	0.99985825	0.99985825

}

CPMs for all cellular genes.
of log-CPMs for all cellular genes.
biological component of the variance for all genes.
technical component of the variance for all genes.

	mean	total	tech	bio	p.value	FDR
Ins2	3.58481023	10.2465926	0.25609704	9.99049554	0	0
Ins1	2.85056265	8.84865412	0.35268456	8.49596955	0	0
lapp	2.53402035	6.22868181	0.36871287	5.85996893	0	0
Pyv	1.54284025	3.3958754	0.40458158	2.99129382	0	0
Nnat	1.9969299	3.35141306	0.37074664	2.98066642	0	0
Neurog3	1.25322908	2.94422153	0.42719791	2.51702362	0	0
Chgb	2.50667326	2.78210595	0.36964727	2.41245868	0	0
Mdk	1.48923273	2.20430932	0.41015194	1.79415738	1.08E-186	1.72E-183
Rbp4	1.79994606	2.12487203	0.38041478	1.74445725	6.28E-205	1.11E-201
Chga	2.35191635	2.11169917	0.37066694	1.74103223	6.96E-215	1.39E-211
Xist	1.37309881	2.00847398	0.42044607	1.58802791	8.84E-140	1.17E-136
Slc38a5	1.83017412	1.93759411	0.37826999	1.55932412	4.68E-166	6.78E-163
Npy	0.63793171	1.7181145	0.36427422	1.35384029	2.05E-135	2.52E-132
Ttr	2.51381498	1.71939817	0.36940555	1.34999261	5.25E-131	5.97E-128
Tmsb4x	2.28459114	1.71659661	0.3701723	1.34642431	8.50E-130	9.03E-127
Pcsk1n	1.93369308	1.66455654	0.37231042	1.29224612	2.14E-118	2.13E-115
Pcsk2	1.5817426	1.64721786	0.40041192	1.24680594	9.96E-96	9.34E-93
Cck	0.80610434	1.64867125	0.40459753	1.24407372	2.11E-93	1.87E-90
Gadd45a	1.09335661	1.52574009	0.42965135	1.09608874	5.67E-65	4.75E-62
Dlk1	1.73108503	1.31602465	0.38627221	0.92975244	4.50E-58	3.59E-55
Cdkn1a	0.8186486	1.33644201	0.40673875	0.92970327	1.41E-52	1.07E-49
1700086L19F	1.26601887	1.31428903	0.42664779	0.88764124	6.49E-44	3.98E-41
Hmgn3	1.7765666	1.24282156	0.38215694	0.86066462	4.21E-51	3.05E-48
Hbb-bs	2.34734057	1.20022843	0.37069262	0.82953581	1.76E-50	1.22E-47
Hba-a1	1.75963776	1.18747571	0.38354734	0.80392837	1.53E-44	9.76E-42
Cpe	2.11977362	1.15707972	0.36846109	0.78861863	2.35E-46	1.56E-43
Cryba2	1.42035351	1.19289766	0.41670234	0.77619531	1.33E-35	7.29E-33
Manf	1.81185359	1.13061107	0.37946532	0.75114576	6.02E-40	3.55E-37

mean variance for all transcripts = 0.086

mean: A numeric vector of mean log-CF
total: A numeric vector of the variances
bio: A numeric vector containing the bic
tech: A numeric vector containing the te

Sdf2l1	1.03235374	1.17426792	0.42802372	0.7462442	1.94E-31	1.03E-28
Btbd17	0.94162867	1.15771819	0.42220643	0.73551176	2.16E-31	1.11E-28
Cd24a	0.98606391	1.15892173	0.4255244	0.73339734	9.09E-31	4.39E-28
Fos	1.28316304	1.15330655	0.42584211	0.72746444	2.91E-30	1.37E-27
Igfbpl1	0.87669259	1.13715321	0.41527961	0.7218736	2.90E-31	1.45E-28
Ambp	1.01398657	1.11478466	0.42713835	0.68764631	4.28E-27	1.80E-24
Scg2	0.84966504	1.09844036	0.41152436	0.686916	5.56E-29	2.46E-26
Ppp1r1a	0.83850282	1.03149684	0.4098275	0.62166935	2.85E-24	1.11E-21
Sox4	1.0356187	1.0406408	0.42817622	0.61246458	8.55E-22	3.03E-19
Hspa5	2.24036833	0.98104201	0.36961565	0.61142637	1.69E-28	7.28E-26
Jun	1.1213102	1.02466644	0.42992738	0.59473906	1.66E-20	5.63E-18
Pdia6	1.7397555	0.97605963	0.38543328	0.59062635	9.91E-25	3.95E-22
Isl1	0.90960058	0.99098539	0.41908233	0.57190307	5.25E-20	1.74E-17
Marcks1	1.69782346	0.94087651	0.38921124	0.55166527	1.96E-21	6.80E-19
Lrp1rc	0.67479063	0.91908636	0.37556635	0.54352001	2.90E-22	1.07E-19
Gpx3	1.33618943	0.96089858	0.42292165	0.53797694	1.26E-17	3.78E-15
Rap1b	1.39280176	0.94473975	0.41897464	0.52576511	3.33E-17	9.83E-15
Clps	1.30091595	0.94535156	0.42493317	0.52041839	1.79E-16	5.09E-14
Scg5	1.39869157	0.92461583	0.41849962	0.50611621	4.14E-16	1.12E-13
Fev	0.56468732	0.82854158	0.33906792	0.48947366	3.66E-22	1.33E-19
Mafb	1.07209002	0.91860743	0.42935725	0.48925018	1.66E-14	4.28E-12
Gnas	3.26897941	0.77471802	0.28739553	0.48732249	7.62E-30	3.47E-27
Gm10320	0.84198467	0.89395611	0.4103658	0.48359031	2.18E-15	5.79E-13
Ctrb1	1.28678209	0.88661322	0.4256612	0.46095202	2.83E-13	6.85E-11
Tuba1a	1.92269354	0.82364301	0.37272188	0.45092113	4.04E-16	1.11E-13
Scg3	1.22903357	0.86254324	0.42809986	0.43444337	7.14E-12	1.56E-09
S100a11	1.71985369	0.79545094	0.38725546	0.40819548	1.14E-12	2.59E-10
Stmn1	0.79024528	0.80540895	0.40168544	0.40372352	1.11E-11	2.34E-09
Tm4sf4	1.12762572	0.83259371	0.42993568	0.40265803	2.27E-10	4.28E-08
Hsp90b1	1.90437423	0.77356651	0.37408198	0.39948454	5.87E-13	1.36E-10

Btg2	1.20600362	0.82791646	0.42884606	0.3990704	2.93E-10	5.25E-08
Krt7	1.6841358	0.78935129	0.39053951	0.39881179	5.33E-12	1.18E-09
Spp1	0.46621469	0.69038131	0.29995123	0.39043008	2.27E-18	7.11E-16
Gng12	1.16134584	0.81762965	0.42967848	0.38795117	9.28E-10	1.59E-07
Cdkn1c	0.66906947	0.76077129	0.37391786	0.38685343	2.86E-12	6.41E-10
Cldn6	0.94012935	0.80682433	0.4220704	0.38475393	6.48E-10	1.12E-07
Cldn4	0.88720284	0.79187543	0.41656867	0.37530676	1.00E-09	1.70E-07
Hes6	1.17991842	0.79613549	0.42943711	0.36669838	6.58E-09	1.08E-06
Pax4	0.56695987	0.70503317	0.33989802	0.36513514	4.32E-13	1.01E-10
Hnrnpa1	1.70152285	0.75270364	0.38888098	0.36382265	2.37E-10	4.39E-08
H19	0.41039702	0.63781216	0.27482245	0.36298972	7.36E-19	2.39E-16
Hadh	1.13118572	0.78438784	0.42993553	0.35445231	2.04E-08	3.18E-06
Slc30a8	0.66342334	0.7221152	0.37222427	0.34989093	1.96E-10	3.77E-08
Rps12	1.85533954	0.72399349	0.37662181	0.34737169	4.14E-10	7.34E-08
Calr	2.11608085	0.71559335	0.36846419	0.34712915	1.79E-10	3.49E-08
Gch1	1.16286019	0.77563858	0.42966527	0.3459733	4.17E-08	6.38E-06
Pax6	1.22506648	0.76672177	0.4282404	0.33848137	7.16E-08	1.05E-05
Fam183b	1.14277956	0.76755623	0.42986983	0.33768641	8.52E-08	1.24E-05
Meis2	1.17397458	0.75291149	0.42954627	0.32336522	2.71E-07	3.69E-05
Neurod1	1.44155762	0.73733948	0.414835	0.32250448	1.14E-07	1.62E-05
Runx1t1	0.56710639	0.66119451	0.33995144	0.32124307	1.59E-10	3.12E-08
Krt8	1.72225112	0.70709172	0.38704634	0.32004538	1.86E-08	2.96E-06
Ybx1	1.82525291	0.69802247	0.37863765	0.31938482	9.84E-09	1.59E-06
Tubb3	1.0948651	0.74779928	0.42967556	0.31812371	4.15E-07	5.56E-05
Ttll6	0.43932855	0.60570797	0.2881322	0.31757576	1.10E-13	2.73E-11
Cd81	1.55876793	0.71828996	0.40288856	0.3154014	9.39E-08	1.35E-05
Gip	0.20622184	0.47601093	0.16082814	0.31518278	3.40E-39	1.94E-36
Gadd45g	1.08948559	0.74432908	0.42958617	0.31474291	5.39E-07	7.04E-05
Scgn	1.04871985	0.74281005	0.42866316	0.31414688	5.35E-07	7.04E-05
Ier2	1.0523598	0.73623131	0.42878739	0.30744392	9.09E-07	0.00011233

Tspan7	1.30952075	0.73179738	0.4244737	0.30732368	7.20E-07	9.19E-05
Creld2	0.93421215	0.71816724	0.42152507	0.29664218	1.40E-06	0.00017222
Mid1ip1	0.99086952	0.72065908	0.42583966	0.29481942	2.03E-06	0.00024322
Ifitm2	1.03831761	0.72015303	0.4282847	0.29186833	2.86E-06	0.0003357
Jund	0.95944199	0.70489541	0.42360995	0.28128546	4.94E-06	0.00055806
Junb	0.79034162	0.67905473	0.40170366	0.27735108	2.16E-06	0.00025642
Smarcd2	0.63796887	0.63642522	0.36428618	0.27213904	3.30E-07	4.46E-05
Dbpht2	0.61027799	0.62600386	0.35513914	0.27086472	1.92E-07	2.68E-05
Mfap4	0.32824347	0.503728	0.23343374	0.27029426	6.42E-15	1.68E-12
Mtch1	0.77679019	0.66514201	0.39909526	0.26604675	4.55E-06	0.00051864
Cystm1	1.60226962	0.66177705	0.3983644	0.26341265	5.38E-06	0.00060365
Ffar2	0.98768477	0.68888815	0.42563259	0.26325556	1.92E-05	0.00197391
Ptov1	1.0894881	0.688723	0.42958621	0.25913679	2.97E-05	0.00295786
Tmed3	1.06485783	0.68589103	0.42917058	0.25672046	3.42E-05	0.00336668
Apoe	0.49544524	0.56278608	0.31222642	0.25055966	4.60E-08	6.99E-06
Slc25a5	2.33021091	0.61961323	0.37043964	0.24917359	3.78E-06	0.0004365
Rps4x	2.81956781	0.60357892	0.35493552	0.24864341	1.56E-06	0.00018818
Bex2	1.76253416	0.63186491	0.38329836	0.24856655	7.92E-06	0.000865
Sct	0.37731684	0.50658393	0.25881747	0.24776646	9.32E-11	1.88E-08
Ssr4	1.6555932	0.63863996	0.39331188	0.24532808	1.65E-05	0.0017177
Ppy	0.20797935	0.40555529	0.16197916	0.24357613	6.92E-24	2.63E-21
Hbb-bt	0.72706212	0.63114423	0.38854304	0.24260119	1.62E-05	0.00169722
Meg3	3.50435306	0.50227922	0.25986665	0.24241258	2.66E-10	4.88E-08
Actg1	3.27617105	0.52232124	0.28616851	0.23615272	1.98E-08	3.12E-06
Zcchc18	0.66645684	0.60890281	0.37313623	0.23576657	1.30E-05	0.00137308
Cirbp	1.28023529	0.66113119	0.42598658	0.2351446	0.00011925	0.01080063
Cdk4	1.50429459	0.64169907	0.4086087	0.23309037	7.32E-05	0.00698692
Sparc	0.40487153	0.50381828	0.27220863	0.23160965	7.41E-09	1.21E-06
Pdia4	1.17194226	0.66043661	0.42957385	0.23086276	0.0001736	0.01512177
Rpl18a	3.20782153	0.52558083	0.29908749	0.22649334	2.32E-07	3.21E-05

Actb	2.93021631	0.56930816	0.34544095	0.22386721	8.03E-06	0.00087036
Cacna2d1	0.63133181	0.58586563	0.36213733	0.2237283	1.96E-05	0.00200154
Hbb-y	0.30459621	0.44370409	0.22046152	0.22324257	7.90E-12	1.70E-09
Ostc	1.4684407	0.63433835	0.41222153	0.22211682	0.00016748	0.01475071
Atp2a2	0.84941278	0.63299925	0.4114871	0.22151215	0.00016967	0.01486087
Glud1	0.88295423	0.63676874	0.4160562	0.22071255	0.00020691	0.01792556
Pdx1	1.02527812	0.64485881	0.42768122	0.21717759	0.00036228	0.02902041
H3f3b	3.09662355	0.53679955	0.31981642	0.21698313	3.15E-06	0.00036649
Hmgn2	1.58481298	0.61656713	0.40010808	0.21645905	0.00015844	0.01403139
Map1b	1.5626451	0.61546382	0.40247185	0.21299197	0.00021366	0.01831167
Serpina6	0.31632533	0.43949381	0.22695806	0.21253575	2.28E-10	4.28E-08
Serpinh1	0.86994272	0.62608883	0.41438836	0.21170047	0.00033623	0.02748678
Rpl36a	2.04154066	0.58009872	0.36931852	0.21078019	7.27E-05	0.00697664
Tsc22d1	1.25825473	0.63680732	0.42698643	0.20982089	0.00053597	0.04107652
Stard10	1.12104562	0.63909436	0.42992679	0.20916757	0.00060092	0.04561526
Pou3f4	0.3080854	0.42959677	0.22240693	0.20718984	2.81E-10	5.08E-08
Tubb5	1.67550927	0.59718477	0.39139371	0.20579105	0.00023276	0.01973639
Rps20	2.33937502	0.57566798	0.3705765	0.20509148	0.00011485	0.010462
Mpc1	0.80465649	0.60674588	0.40433991	0.20240597	0.00043102	0.03368096
Eef2	1.94670341	0.57402842	0.37181383	0.20221459	0.00014723	0.0131117
Tff2	0.16229627	0.33209724	0.13096696	0.20113029	7.87E-25	3.22E-22
Peg3	1.60902552	0.59174463	0.39774543	0.19399919	0.00058392	0.04453733
Rpl12	1.76522194	0.57641094	0.38306681	0.19334414	0.00039022	0.03110216
Pdia3	1.8806851	0.56846798	0.37535506	0.19311291	0.00030789	0.02556286
Tff3	0.23142506	0.36891649	0.17702359	0.1918929	2.69E-13	6.59E-11
Sec61b	2.48442164	0.55925109	0.36989552	0.18935557	0.00032781	0.02693588
Ccnd2	0.37125361	0.44274044	0.25578919	0.18695124	5.72E-07	7.42E-05
Txnip	0.70321169	0.56838374	0.38297066	0.18541308	0.00063508	0.0473075
Fkbp2	0.97547624	0.60486318	0.42479447	0.18006871	0.00238921	0.14935824
1810008118R	0.44398889	0.46918323	0.2902178	0.17896543	2.02E-05	0.00205524

Gfra3	0.65905095	0.54844351	0.37090137	0.17754214	0.00072065	0.05318485
Foxa3	0.58422418	0.52281078	0.34610499	0.17670579	0.00033886	0.02755978
Gm8797	1.49796035	0.58592745	0.40927269	0.17665477	0.00203239	0.13223808
Pcsk1	0.80749141	0.58147612	0.40484341	0.17663271	0.00184119	0.1217861
Tecr	1.60695736	0.57346428	0.39793536	0.17552893	0.00166176	0.11114947
Gspt1	0.79366039	0.57724676	0.4023286	0.17491816	0.00190216	0.12478316
Bambi	0.47729067	0.47927463	0.30467131	0.17460332	6.82E-05	0.00658711
Apoc1	0.31854711	0.40076114	0.22817457	0.17258657	2.39E-07	3.29E-05
Rpl10a	2.46262054	0.54222505	0.36984586	0.17237918	0.00095972	0.06829893
Eef1a1	3.32802794	0.44841882	0.27632705	0.17209177	1.70E-05	0.00175518
Hspa8	3.00837455	0.5070881	0.33518874	0.17189937	0.00032047	0.02646956
Ypel3	1.38578397	0.59128187	0.41950639	0.17177548	0.00320941	0.18809274
Krt19	0.44883051	0.46195785	0.29236825	0.1695896	5.64E-05	0.005487
Eef1b2	1.59235317	0.56604937	0.39935828	0.16669109	0.00273182	0.16371397
Neurod2	0.25279783	0.35637566	0.1902489	0.16612676	3.08E-09	5.17E-07
Hsp90ab1	2.8926435	0.51432492	0.34934835	0.16497657	0.00083497	0.060316
Pim2	0.72570526	0.55253211	0.38824137	0.16429074	0.00242563	0.15045522
Nkx2-2	1.0039427	0.58844479	0.42663282	0.16181197	0.00579146	0.28587416
Casp6	0.55535415	0.49578229	0.33562472	0.16015757	0.00074567	0.05452625
Ddost	1.54720432	0.56207722	0.40412299	0.15795423	0.00463838	0.24201117
Emb	1.07101622	0.5868331	0.42934152	0.15749158	0.00730928	0.34692483
Ociad2	0.71167858	0.54189778	0.38500644	0.15689135	0.00333902	0.19215635
Clu	0.4218581	0.43674854	0.28017027	0.15657827	9.96E-05	0.00923102
Pam	0.7310478	0.54558981	0.38942357	0.15616624	0.00380018	0.20889214
H1f0	1.28250146	0.58089607	0.42587491	0.15502116	0.00769739	0.3546359
Sec61g	2.26312696	0.52437774	0.36992861	0.15444913	0.00272548	0.16371397
Ly6e	0.7607395	0.54836563	0.39586133	0.1525043	0.0051686	0.25991397
Ppp1r14a	0.26872419	0.35225222	0.19980996	0.15244226	1.90E-07	2.68E-05
Pak3	0.70703774	0.53588549	0.38389594	0.15198955	0.00420264	0.22406089
Hsp90aa1	2.0813728	0.51938816	0.36863432	0.15075383	0.00324311	0.18937125

Cbfa2t3	0.44420722	0.43834843	0.29031513	0.1480333	0.00034426	0.02771603
Pgrmc1	0.80508786	0.55244528	0.40441676	0.14802852	0.00741664	0.34875697
Id2	0.30232979	0.3660608	0.21919209	0.14686871	4.10E-06	0.00046983
Stxbp5l	0.3540908	0.39364667	0.24705483	0.14659184	3.91E-05	0.00382789
Fxyd3	0.50893164	0.46367056	0.31769545	0.14597511	0.00111234	0.07743181
Hmgb3	0.45220223	0.43924794	0.29385609	0.14539185	0.00049495	0.03830099
Rpl21	2.64769358	0.50965804	0.36448275	0.14517528	0.0040096	0.21763658
Rps5	3.08180384	0.46608826	0.32274913	0.14333913	0.00155719	0.10608179
Mfng	0.53214179	0.46720033	0.32683033	0.14037	0.00212602	0.13610804
Lpar6	0.43629414	0.42593466	0.28676548	0.13916918	0.00061814	0.04648012
Rpl26	2.94693024	0.48261662	0.34356747	0.13904915	0.00353031	0.20012082
Ubqln2	0.78064792	0.5385745	0.39984743	0.13872708	0.01046004	0.45065822
Marcks	0.81709991	0.54306889	0.4064945	0.13657439	0.01266249	0.51649113
Ssr2	1.99779002	0.5066268	0.37074946	0.13587734	0.00735353	0.3478417
Tmem258	1.46239951	0.54713638	0.41282426	0.13431212	0.01516928	0.56630796
Gcg	0.27797908	0.33943457	0.20525314	0.13418143	6.76E-06	0.00074838
Btg1	0.90638401	0.55256176	0.41873829	0.13382347	0.01669808	0.59956436
Ctsf	0.72246429	0.52069094	0.38751687	0.13317407	0.01108261	0.4723742
Eif3f	1.76304794	0.51528905	0.38325414	0.13203492	0.01091875	0.46714787
Tubb4b	1.00586134	0.55632499	0.42674036	0.12958463	0.02162541	0.71171853
Dusp1	0.41503393	0.40604622	0.27699778	0.12904844	0.00096408	0.06830379
Qdpr	0.85835922	0.54182505	0.41279136	0.1290337	0.01873074	0.64463872
Slc2a2	0.43665854	0.41407614	0.28693	0.12714613	0.0015909	0.10791733
Cotl1	0.80644084	0.52957797	0.40465726	0.12492071	0.01994591	0.67383848
Zbtb20	0.79595509	0.52735272	0.40275766	0.12459507	0.01973864	0.67090317
Krt18	1.00396566	0.55111106	0.42663416	0.1244769	0.02606298	0.81698086
Cldn11	0.36919846	0.3780104	0.254756	0.1232544	0.00063998	0.04745073
Rgs17	0.50611801	0.43974809	0.31656445	0.12318364	0.00479649	0.24664764
Tead2	0.32528488	0.35474682	0.23183761	0.12290921	0.00020866	0.01797966
Zdbf2	0.62028233	0.47982754	0.35849817	0.12132937	0.01213702	0.50170905

Egr1	0.61243475	0.47716111	0.35586791	0.12129319	0.01164214	0.49097191
Calm2	2.63062863	0.48598924	0.36517322	0.12081601	0.01382461	0.53882175
Tmsb10	2.28355789	0.49038214	0.37016261	0.12021952	0.01531611	0.56883004
Grb10	0.84912265	0.53140662	0.41144422	0.1199624	0.02614396	0.81698086
Dynll1	2.3594487	0.48923675	0.37062276	0.11861398	0.01657349	0.5977329
Gm8773	0.11346178	0.21326239	0.09516224	0.11810015	7.23E-17	2.10E-14
Igsf8	0.60346439	0.47087597	0.35281429	0.11806168	0.01296007	0.52009877
Dbn1	0.7260116	0.50594134	0.38830957	0.11763177	0.0218775	0.71611751
Cpa1	0.35097238	0.36279504	0.24544158	0.11735346	0.00072975	0.05360815
Vwa5b2	0.88366108	0.53313795	0.41614199	0.11699596	0.03064501	0.89307523
Npepl1	0.84614375	0.5279634	0.41100175	0.11696164	0.02909616	0.86533938
Cited2	0.55456078	0.45083318	0.33532963	0.11550355	0.01093069	0.46714787
Cyb5r3	1.76322073	0.49760972	0.38323926	0.11437046	0.02349095	0.75803498
Rps8	2.99553249	0.45175595	0.33758235	0.1141736	0.01218504	0.50191641
Sh3bgrl3	1.06579839	0.54278316	0.42919744	0.11358572	0.03906982	0.99999994
Tmsb15b2	0.42000193	0.39238698	0.27931076	0.11307622	0.00352195	0.20012082
Rnase4	0.63544234	0.47616154	0.36347093	0.1126906	0.01952125	0.66635616
Hpcal1	0.47785483	0.41591088	0.30490948	0.1110014	0.00769164	0.3546359
Rcn1	0.63341776	0.47217691	0.36281521	0.10936169	0.02240707	0.72452551
Pdk3	0.3529438	0.35495395	0.24646238	0.10849156	0.00169428	0.11253555
Rasd1	0.43723432	0.39517875	0.28718978	0.10798897	0.00615865	0.30100158
Arx	0.19038069	0.25812308	0.15030402	0.10781905	8.99E-07	0.00011198
G6pc2	0.35920717	0.35699251	0.24968446	0.10730805	0.00211331	0.13583965
Immp1l	1.11459803	0.53603365	0.42989667	0.10613699	0.05015164	0.99999994
Dnaja1	1.97956112	0.47688711	0.3707831	0.10610401	0.02840328	0.85915875
Vim	0.25336176	0.29553054	0.19059169	0.10493886	0.00012369	0.01113973
Rpn2	1.11358695	0.53422063	0.42988911	0.10433152	0.05310575	0.99999994
Sst	0.14737134	0.22456854	0.12032524	0.1042433	4.04E-09	6.71E-07
Mia	0.29309023	0.31758637	0.21396768	0.10361869	0.00063319	0.0473075
Sytl4	0.48580109	0.41170483	0.30824139	0.10346344	0.01273317	0.51649113

Ddc	0.34636576	0.34556702	0.2430438	0.10252323	0.00249365	0.15230361
Nono	1.24671383	0.52926434	0.42746416	0.10180018	0.05645986	0.99999994
Ppib	1.69441063	0.490618	0.38951499	0.10110301	0.04201807	0.99999994
Ube2i	1.08160345	0.53055169	0.42948128	0.10107041	0.05862168	0.99999994
Mgst1	0.29185672	0.31429338	0.21326427	0.10102912	0.00080718	0.05875474
Tle6	0.34860639	0.34512937	0.24421225	0.10091712	0.00297393	0.1762357
Bex1	0.74766309	0.49347367	0.39308962	0.10038405	0.04457987	0.99999994
Ppp3ca	0.596764	0.45040038	0.35050303	0.09989735	0.02890488	0.86317853
Rpl9	2.85318001	0.45172121	0.35247483	0.09924638	0.03044926	0.89062697
Mageh1	0.81008324	0.50366835	0.40530047	0.09836788	0.05309885	0.99999994
Rbp1	0.24473418	0.28314786	0.18531266	0.0978352	0.00022054	0.01880003
Cnih2	0.41558225	0.37454808	0.27725396	0.09729412	0.00974945	0.42696718
Igfbp2	0.19095319	0.24760961	0.15068916	0.09692046	9.29E-06	0.00100089
Rpl7a	1.98079839	0.46750851	0.37076948	0.09673902	0.04121669	0.99999994
Hhex	0.11333412	0.19117378	0.09506484	0.09610893	8.51E-12	1.81E-09
Rpsa	2.4103008	0.46646704	0.37046565	0.09600139	0.04227192	0.99999994
Rpl22	1.65223012	0.48928215	0.3936327	0.09564945	0.05289175	0.99999994
Krtap17-1	0.14649425	0.21515942	0.11969183	0.09546759	5.51E-08	8.13E-06
Ndufa1	1.10224955	0.52497804	0.42978451	0.09519353	0.07019701	0.99999994
Prdx1	2.29287514	0.46536233	0.37024006	0.09512227	0.04361861	0.99999994
Rps19	3.31027721	0.37483127	0.28006276	0.09476851	0.01214853	0.50170905
Higd1a	0.53903608	0.42368087	0.32947715	0.09420372	0.02850865	0.860713
Cpt2	0.64254191	0.45988434	0.3657506	0.09413374	0.04334191	0.99999994
Ube2e3	0.96255207	0.51697997	0.42384718	0.09313279	0.0717864	0.99999994
Atp5g1	2.13898819	0.46145707	0.36849509	0.09296197	0.04655357	0.99999994
Stx16	0.63827655	0.45697807	0.36438523	0.09259284	0.04537762	0.99999994
Nefm	0.14047161	0.20746225	0.11531728	0.09214498	5.22E-08	7.78E-06
Nkx6-1	1.06533436	0.52118679	0.42918422	0.09200257	0.07680467	0.99999994
Prps1	0.64286032	0.45701877	0.36585144	0.09116733	0.04858686	0.99999994
Cited1	0.20507271	0.2507884	0.16007369	0.09071471	8.09E-05	0.00763169

Tagln2	0.65227024	0.4587967	0.36880729	0.08998941	0.05217093	0.99999994
Pcbp4	0.61143207	0.44493272	0.35552942	0.0894033	0.04708075	0.99999994
Aldh1b1	0.221779	0.26023954	0.17090345	0.08933609	0.00025121	0.02107615
Hacd1	0.59347826	0.43852845	0.34935989	0.08916856	0.04466623	0.99999994
Peg10	0.14720858	0.20913406	0.12020777	0.08892629	4.24E-07	5.63E-05
Gm2000	0.5436374	0.41898966	0.33122734	0.08776232	0.03889335	0.99999994
Tubb2a	0.48430719	0.39524777	0.30761821	0.08762956	0.02896936	0.86317853
Aplp2	0.46457382	0.38660774	0.29924453	0.08736321	0.02599018	0.81698086
Krtcap2	1.27709738	0.51341494	0.42613692	0.08727802	0.0863935	0.99999994
Celf3	0.60756291	0.44116045	0.3542158	0.08694465	0.05114539	0.99999994
Pnrc1	0.60117741	0.43870087	0.35202821	0.08667265	0.05062143	0.99999994
Ddah2	0.40707594	0.35942248	0.27325455	0.08616793	0.01790792	0.62329713
Id1	0.14531895	0.20497707	0.11884157	0.0861355	7.02E-07	9.02E-05
Spint1	0.87749255	0.50143553	0.41538395	0.08605157	0.08395643	0.99999994
Mfap2	0.38523553	0.34857064	0.26272703	0.08584362	0.01481869	0.5624398
Gdpd1	0.46881993	0.38630138	0.30106951	0.08523187	0.02975579	0.87840191
Gpx2	0.4424052	0.37374275	0.2895108	0.08423195	0.02639472	0.81859587
Ckb	0.57584624	0.42710443	0.34311512	0.08398931	0.05161693	0.99999994
Eif3h	1.63645558	0.4785374	0.39505988	0.08347752	0.07978616	0.99999994
Rpl32	3.2517449	0.3730752	0.29022076	0.08285444	0.02869636	0.86317853
Lamp1	0.89092301	0.49977445	0.41701118	0.08276327	0.09323861	0.99999994
Tox3	0.73107258	0.47199075	0.38942902	0.08256173	0.0790935	0.99999994
Ffar4	0.56071465	0.4199483	0.33760871	0.08233959	0.0522495	0.99999994
Phlda1	0.31621921	0.3091223	0.22689985	0.08222245	0.00793076	0.363288
Fkbp11	0.37087283	0.33777277	0.25559802	0.08217475	0.01617662	0.58740677
Resp18	0.3207893	0.31147061	0.22939791	0.0820727	0.00862174	0.38498356
Mt1	0.34659464	0.32450507	0.24316334	0.08134172	0.01298534	0.52009877
Srsf2	0.62629593	0.44147486	0.36049121	0.08098365	0.06741315	0.99999994
Amotl2	0.23835424	0.26225786	0.18136189	0.08089597	0.00149361	0.10262764
Srsf3	1.35948101	0.50212532	0.42141647	0.08070885	0.10118781	0.99999994

Ppp1r14b	0.75045903	0.47438348	0.39369679	0.08068669	0.08625299	0.99999994
Pla2g12a	0.42102947	0.36003716	0.27978688	0.08025028	0.02811689	0.85536517
Gast	0.10007886	0.16505012	0.08484109	0.08020903	1.56E-10	3.10E-08
Prrg2	0.75740545	0.47520755	0.39516513	0.08004242	0.08878509	0.99999994
St3gal6	0.34183746	0.32062913	0.24066868	0.07996045	0.01349967	0.53399085
Dad1	1.77365352	0.46223563	0.38235905	0.07987658	0.08218187	0.99999994
Rpl9-ps6	0.58982781	0.42756818	0.34808171	0.07948647	0.06425325	0.99999994
Prnp	1.17325075	0.50876512	0.42955896	0.07920616	0.10984321	0.99999994
Anxa5	0.62159081	0.43798903	0.35893349	0.07905554	0.07131448	0.99999994
Prss53	0.32524478	0.3095386	0.23181593	0.07772267	0.0128165	0.51649113
Zwint	0.83571966	0.48651631	0.40939331	0.077123	0.10493029	0.99999994
Anxa4	0.98546429	0.50245507	0.42548413	0.07697094	0.11426607	0.99999994
Rcor2	0.36696187	0.33050575	0.25362777	0.07687798	0.02181484	0.71553568
Hspa1a	0.18733459	0.22484465	0.14824892	0.07659573	0.00029178	0.02435252
Fxyd6	0.50133678	0.39109383	0.31463086	0.07646297	0.05286823	0.99999994
Kirrel2	0.15217325	0.19929463	0.12377713	0.0755175	2.44E-05	0.00246388
Rpl17	2.93408989	0.42044838	0.34495613	0.07549225	0.07259726	0.99999994
Olfm1	0.24318994	0.25971984	0.18436008	0.07535976	0.00325543	0.18939691
Rps9	3.12188498	0.39094426	0.31637968	0.07456458	0.0583502	0.99999994
Ranbp1	1.52263432	0.48088459	0.4066739	0.07421069	0.11224677	0.99999994
Trp53i11	0.43624291	0.36092875	0.28674234	0.07418641	0.04252181	0.99999994
Mpzl1	0.78214134	0.47358394	0.40013667	0.07344727	0.11088959	0.99999994
Rab3a	0.77650673	0.47235936	0.39903971	0.07331964	0.11065717	0.99999994
Tpst2	0.65176546	0.44191914	0.36864991	0.07326923	0.09292565	0.99999994
Vasp	0.74026694	0.46459981	0.39146448	0.07313533	0.10682824	0.99999994
Gars	1.1859879	0.50197048	0.42931665	0.07265383	0.12998452	0.99999994
Lhx1	0.28053219	0.27873555	0.20674067	0.07199488	0.01022482	0.44524014
Cdk2ap1	0.42581029	0.35395697	0.28199105	0.07196592	0.04468361	0.99999994
Prox1	0.45203843	0.36573642	0.29378399	0.07195243	0.05152441	0.99999994
Tmem238	0.42305226	0.35241162	0.28072176	0.07168986	0.04457673	0.99999994

Eif3e	1.48310744	0.48168303	0.41076387	0.07091916	0.12523001	0.99999994
Nucb2	0.51430763	0.39038868	0.31984239	0.07054629	0.07102971	0.99999994
Hepacam2	0.9018795	0.48861989	0.41824801	0.07037188	0.13136572	0.99999994
Fscn1	0.24764752	0.25712602	0.18710341	0.07002262	0.00636719	0.30757397
Upp1	0.21466735	0.23589616	0.16632892	0.06956725	0.00268441	0.16209177
Rph3al	0.96977857	0.49394695	0.42438453	0.06956242	0.13762148	0.99999994
Serpini1	0.28502853	0.27826127	0.20934543	0.06891584	0.0142168	0.54741557
Epcam	1.57545134	0.46968459	0.40109077	0.06859382	0.12748542	0.99999994
Prr13	0.87936251	0.48337468	0.415617	0.06775767	0.13892093	0.99999994
Foxa2	0.66325685	0.4397821	0.37217408	0.06760802	0.11329801	0.99999994
Cer1	0.15142796	0.19045836	0.12324313	0.06721523	0.00014155	0.01267668
Maged1	1.75901853	0.45071469	0.3836005	0.06711419	0.12209314	0.99999994
Serp1	0.90263435	0.48544152	0.41833075	0.06711076	0.14279475	0.99999994
Rps26	2.51682382	0.43625851	0.36930322	0.06695529	0.11375289	0.99999994
Gpc3	0.2269456	0.24108875	0.1741933	0.06689545	0.00529049	0.26520646
Klf2	0.1587155	0.19395386	0.12843726	0.0655166	0.00034258	0.02771603
Cyba	0.31398466	0.29072821	0.22567166	0.06505655	0.02749896	0.83977187
Sox11	0.14110006	0.18016581	0.11577575	0.06439006	0.00010695	0.00983279
Necab2	0.32977199	0.29829195	0.23425544	0.06403651	0.03441037	0.97085972
Rps11	2.86452786	0.41559064	0.35156462	0.06402602	0.11271057	0.99999994
Mgst3	0.46168933	0.36190009	0.29799774	0.06390236	0.07673474	0.99999994
Prdx5	1.24604272	0.49139211	0.42749107	0.06390103	0.15987124	0.99999994
Acaa2	0.21609945	0.2300039	0.16725429	0.06274961	0.00625718	0.30317865
Swt1	0.41562352	0.33974296	0.27727323	0.06246972	0.06684878	0.99999994
Prodh2	0.23085451	0.23911371	0.17666422	0.0624495	0.00931198	0.41348828
Tuba4a	0.90582864	0.48106846	0.41867829	0.06239017	0.16062064	0.99999994
Ankrd44	0.4783128	0.36747617	0.30510265	0.06237352	0.08679011	0.99999994
Cd164l2	0.51972349	0.38410703	0.32198603	0.062121	0.09953318	0.99999994
Grhpr	0.57420726	0.40438816	0.34252521	0.06186295	0.11464407	0.99999994
Limd2	0.64701557	0.42892543	0.36716243	0.061763	0.13141798	0.99999994

Tuba1b	0.9317535	0.48296959	0.42129447	0.06167511	0.16491586	0.99999994
Lmna	0.6379378	0.42569518	0.36427618	0.061419	0.13086763	0.99999994
Ctsz	0.6205311	0.41993742	0.35858101	0.06135642	0.12735943	0.99999994
Spcs2	1.75512684	0.44513177	0.38393397	0.0611978	0.14434464	0.99999994
Tshz2	0.60395187	0.4138662	0.35298147	0.06088472	0.12545635	0.99999994
Foxp1	0.50713102	0.37768048	0.31697223	0.06070824	0.10117908	0.99999994
Tmem171	0.12867394	0.16708009	0.10662307	0.06045701	8.02E-05	0.00761379
Pcp4	0.2238589	0.23243032	0.17223119	0.06019913	0.00999423	0.43648767
Tpm4	0.41708122	0.33812183	0.27795315	0.06016867	0.07480569	0.99999994
Mlxipl	0.64065737	0.42525929	0.36514999	0.0601093	0.13659653	0.99999994
Dnajc3	0.69590507	0.44117917	0.38112676	0.06005241	0.14713231	0.99999994
Dstn	1.52694963	0.46626799	0.40623239	0.06003561	0.16262686	0.99999994
Steap1	0.18717572	0.20807678	0.14814146	0.05993532	0.00354018	0.20012082
Wfdc2	0.19431077	0.21282608	0.1529402	0.05988587	0.00457511	0.24149618
S100a10	0.44789516	0.35155611	0.29195409	0.05960202	0.08709134	0.99999994
Cald1	0.19301036	0.21150919	0.15206987	0.05943932	0.00463733	0.24201117
Cd9	0.48632095	0.36772541	0.30845777	0.05926765	0.1004547	0.99999994
Polr2k	1.07326719	0.48861081	0.42937409	0.05923672	0.1792269	0.99999994
Pkib	0.23843842	0.24046428	0.18141428	0.05904999	0.01513148	0.56630796
Ccnd3	0.43905543	0.3468133	0.2880095	0.0588038	0.08706547	0.99999994
Cbx1	1.02329689	0.48622347	0.42758234	0.05864113	0.18064976	0.99999994
Smarce1	0.77760231	0.45745889	0.39925421	0.05820469	0.16592673	0.99999994
Rpl28	2.67487768	0.42147831	0.36343588	0.05804243	0.14387922	0.99999994
Hnrnpk	2.07959868	0.42664624	0.36867196	0.05797428	0.14761359	0.99999994
Tmc4	0.73842924	0.44891152	0.39105638	0.05785514	0.16236607	0.99999994
Npc2	1.25729867	0.48479903	0.42702707	0.05777196	0.18391903	0.99999994
C2cd4b	0.1496547	0.17956136	0.12196999	0.05759136	0.0008362	0.060316
Snrk	0.2640054	0.25425669	0.19700243	0.05725426	0.0265247	0.81943852
Cldn3	0.45056246	0.35029908	0.2931335	0.05716559	0.09712766	0.99999994
Set	1.09577037	0.4864942	0.42968977	0.05680443	0.18943999	0.99999994

Hmgb2	0.55493863	0.3920609	0.33547022	0.05659068	0.13074739	0.99999994
Traf4	0.43435574	0.3424309	0.28588869	0.05654221	0.09400741	0.99999994
Lhx1os	0.22679578	0.23060128	0.17409829	0.05650299	0.01537482	0.56883004
Cpa2	0.27620109	0.26070644	0.20421364	0.05649281	0.03278243	0.94159421
Rps3	2.91605802	0.40316521	0.34721591	0.0559493	0.14172867	0.99999994
Rpl39	2.3104377	0.42614653	0.37034452	0.05580202	0.15794173	0.99999994
Tmem184a	0.51197502	0.37470315	0.3189131	0.05579005	0.12212071	0.99999994
Dnajb11	0.91433852	0.47526142	0.41957431	0.05568711	0.18849631	0.99999994
Pcyt1b	0.22476479	0.22792773	0.17280804	0.05511969	0.01687089	0.60435699
Lrpap1	0.97614874	0.47994001	0.42484204	0.05509798	0.19399551	0.99999994
Dnajb9	0.63971287	0.41992312	0.36484696	0.05507616	0.15749102	0.99999994
Rpl23a	2.70613681	0.41662881	0.36182762	0.0548012	0.15669131	0.99999994
Hmgn1	2.06985201	0.42354786	0.36887568	0.05467218	0.16192945	0.99999994
Hpca	0.21218617	0.21934579	0.16472063	0.05462516	0.013643	0.53455393
Dbi	0.5618786	0.3924097	0.33803726	0.05437244	0.14216152	0.99999994
Hes1	0.10536796	0.14304318	0.08894703	0.05409615	2.58E-05	0.00258632
Tpbp	0.21766819	0.22182879	0.16826553	0.05356325	0.01704988	0.60693149
Gapdh	1.71270912	0.44118431	0.38787615	0.05330816	0.18014214	0.99999994
Serping1	0.34590458	0.29589168	0.24280278	0.05308891	0.07277723	0.99999994
Fam151a	0.43152135	0.33754104	0.28460176	0.05293929	0.10782815	0.99999994
Pbx1	0.55283256	0.38697531	0.33468555	0.05228976	0.14917939	0.99999994
Tmem9	0.65829058	0.42271524	0.3706703	0.05204495	0.17499632	0.99999994
Enpp2	0.42878619	0.33533416	0.28335438	0.05197978	0.11102942	0.99999994
Chic2	0.50038256	0.36613554	0.31424301	0.05189254	0.13584085	0.99999994
Glrx	0.59805908	0.40275352	0.35095171	0.05180182	0.16292583	0.99999994
Zfand5	0.41718441	0.32965877	0.27800123	0.05165754	0.10806786	0.99999994
Lbp	0.28662966	0.26136378	0.21026818	0.0510956	0.05288425	0.99999994
Anp32a	1.28614745	0.47663475	0.42569311	0.05094164	0.21285627	0.99999994
Serpina1b	0.10008668	0.13570927	0.08484719	0.05086208	3.30E-05	0.00326845
Hbp1	0.55835395	0.38740539	0.33673708	0.05066831	0.15827517	0.99999994

Elovl1	0.44532976	0.34127697	0.29081502	0.05046196	0.12404415	0.99999994
Pnliprp1	0.81769921	0.45669007	0.40658915	0.05010092	0.20604737	0.99999994
Alcam	0.300059	0.26791735	0.21791561	0.05000174	0.06333926	0.99999994
Prr15l	0.31265143	0.2749327	0.2249365	0.0499962	0.06950391	0.99999994
Smarcc1	0.58706273	0.39693765	0.34710853	0.04982911	0.1696492	0.99999994
Fam210b	0.21269253	0.21420506	0.16504937	0.04915569	0.02371588	0.76220736
Elavl1	0.61563036	0.40608822	0.35694302	0.04914521	0.17970983	0.99999994
Maged2	0.7169518	0.43530483	0.38625435	0.04905048	0.19897401	0.99999994
App	0.92571544	0.46969794	0.42071812	0.04897982	0.21919044	0.99999994
Sfpq	0.63766449	0.4130649	0.36418814	0.04887675	0.18583953	0.99999994
Cope	1.47503539	0.46023659	0.41156925	0.04866735	0.21561087	0.99999994
Syt13	1.21473216	0.47692981	0.4285899	0.04833992	0.22639881	0.99999994
Cd79a	0.18083963	0.19213151	0.14383329	0.04829822	0.01270346	0.51649113
Arf5	2.12221978	0.41666256	0.36845864	0.04820392	0.19192519	0.99999994
Casz1	0.34708916	0.29111627	0.24342149	0.04769478	0.09608044	0.99999994
Ubc	2.34050574	0.4181999	0.37059314	0.04760676	0.1962528	0.99999994
Rps10	2.43212662	0.41794924	0.37044872	0.04750052	0.1966892	0.99999994
Etv1	0.16121103	0.17765078	0.13020195	0.04744883	0.00763856	0.3546359
Trim35	0.61310146	0.40335196	0.35609267	0.04725929	0.1885082	0.99999994
Usp9x	0.62534373	0.40738139	0.36017692	0.04720446	0.19150158	0.99999994
Bri3	0.56502927	0.38639571	0.33919302	0.04720269	0.17714236	0.99999994
Hmgn5	0.3005431	0.26520159	0.21818813	0.04701346	0.07574909	0.99999994
Sms	0.3514064	0.29254036	0.24566659	0.04687377	0.10203362	0.99999994
Ppdf	1.01006705	0.47381396	0.4269492	0.04686476	0.23249777	0.99999994
Insm1	0.70053559	0.42915702	0.38229862	0.0468584	0.20728702	0.99999994
Cxc5	0.65198731	0.41528745	0.3687191	0.04656836	0.20026294	0.99999994
Arpc5	1.35917382	0.46727844	0.42143707	0.04584136	0.23452115	0.99999994
Plcx3	0.44397045	0.33590137	0.29020958	0.04569179	0.1473183	0.99999994
Cyth2	0.81192177	0.45129619	0.4056228	0.0456734	0.22677484	0.99999994
Pfn1	2.38536924	0.4160394	0.370453	0.0455864	0.20636366	0.99999994

Srsf7	1.13852187	0.47546881	0.42990667	0.04556213	0.24026497	0.99999994
Atxn7l3b	1.41307834	0.46283043	0.41731796	0.04551247	0.23393814	0.99999994
Hnrnpm	0.8836256	0.46154362	0.41613768	0.04540594	0.23382938	0.99999994
Serpine2	0.19997528	0.20184315	0.15671022	0.04513294	0.02761593	0.84173146
Hap1	0.36409624	0.29700251	0.25217636	0.04482615	0.11836196	0.99999994
Uchl1	0.3082092	0.26709241	0.22247576	0.04461665	0.09095343	0.99999994
Ndrp1	0.40754567	0.31772523	0.27347681	0.04424842	0.14074109	0.99999994
Lrrc42	0.50650389	0.36064427	0.31671986	0.04392441	0.1779673	0.99999994
Ubal2	0.86269026	0.45723598	0.41340896	0.04382702	0.24019815	0.99999994
Fam43a	0.19726369	0.1987042	0.15490979	0.04379441	0.0299307	0.88030488
Abcc8	0.53902865	0.37326746	0.32947431	0.04379315	0.18814537	0.99999994
Ube2b	1.43751135	0.45899142	0.41520196	0.04378946	0.24133467	0.99999994
Papss2	0.4490756	0.33619676	0.29247666	0.0437201	0.15986618	0.99999994
Amigo2	0.2616493	0.23916769	0.19559269	0.043575	0.06904614	0.99999994
Sec11c	0.57729552	0.38718799	0.34363547	0.04355252	0.1994381	0.99999994
Mob4	0.88552073	0.45986209	0.41636668	0.04349541	0.24341766	0.99999994
Akirin2	0.25797216	0.23686737	0.19338192	0.04348545	0.06722221	0.99999994
Dll3	0.10196951	0.12970965	0.08631288	0.04339677	0.00040888	0.03210805
Pbxip1	0.33375679	0.27964788	0.23638713	0.04326076	0.11158019	0.99999994
Kdm1a	0.42931945	0.32675202	0.283598	0.04315402	0.15556052	0.99999994
Psip1	0.53908641	0.3723131	0.32949636	0.04281674	0.19352841	0.99999994
Rnf187	0.58329114	0.38852384	0.34577412	0.04274971	0.2052661	0.99999994
Rbfox3	0.20401043	0.20210786	0.15937502	0.04273284	0.03715069	0.99999994
Smarca1	0.24768093	0.22983747	0.1871239	0.04271358	0.06433038	0.99999994
Pcbp1	0.82671281	0.45069582	0.40799251	0.04270331	0.24299515	0.99999994
Rhob	0.45446571	0.33743695	0.29485021	0.04258674	0.16817249	0.99999994
Camk2n1	0.70302527	0.42544985	0.38292397	0.04252588	0.22988477	0.99999994
Pla2g2d	0.23703521	0.22305931	0.18053985	0.04251946	0.05848048	0.99999994
Dnajc12	0.36651393	0.29587374	0.25340133	0.04247241	0.1322823	0.99999994
Akap17b	0.15343949	0.16696246	0.12468293	0.04227953	0.01199945	0.50170905

Igf2	0.17248213	0.18035798	0.13808238	0.0422756	0.02077873	0.69426319
Col9a2	0.35359457	0.28877446	0.24679865	0.04197581	0.1287917	0.99999994
Rem2	0.37501547	0.29957508	0.2576717	0.04190338	0.13952013	0.99999994
Psmc4	1.38016987	0.4617264	0.41992635	0.04180005	0.2537988	0.99999994
Litaf	0.2086901	0.20390376	0.16244363	0.04146013	0.04467019	0.99999994
Aplp1	1.63197554	0.43694906	0.39551457	0.04143449	0.24279926	0.99999994
Ldha	0.20468549	0.20094408	0.15981915	0.04112493	0.04337237	0.99999994
Lpl	0.22652897	0.21502816	0.17392903	0.04109913	0.05787261	0.99999994
Uqcr11	1.78335663	0.42268137	0.38168347	0.0409979	0.23731017	0.99999994
Kcnq1ot1	0.64106329	0.40620913	0.36528008	0.04092905	0.22788377	0.99999994
St18	0.31000774	0.2643445	0.22347414	0.04087037	0.11173422	0.99999994
Jup	0.42281318	0.32148062	0.28061148	0.04086914	0.16615959	0.99999994
Rps23	3.08015247	0.36374668	0.32307734	0.04066934	0.20104065	0.99999994
Tspan13	0.70070507	0.42290213	0.38234129	0.04056083	0.24004977	0.99999994
Parm1	0.20905975	0.20321005	0.16268499	0.04052506	0.04864784	0.99999994
Dek	0.35062167	0.28575937	0.24525965	0.04049972	0.13584822	0.99999994
Akr1c13	0.4537351	0.33485851	0.29452985	0.04032866	0.18103561	0.99999994
Tob1	0.40498509	0.31235306	0.2722626	0.04009046	0.16350761	0.99999994
Usp18	0.17065647	0.17689649	0.13681561	0.04008088	0.02558709	0.80769072
Ezh2	0.28425094	0.24891373	0.20889645	0.04001727	0.10113232	0.99999994
Rpl8	2.74647253	0.39945792	0.35960772	0.0398502	0.23036985	0.99999994
Ndufv3	1.26078701	0.46658883	0.42687788	0.03971095	0.26788649	0.99999994
Ddit4	0.27954139	0.24581721	0.20616411	0.03965309	0.10022557	0.99999994
Ppp1r14c	0.12155222	0.14072101	0.1012929	0.03942811	0.00478519	0.24664764
Gm8730	2.35992684	0.40980158	0.37061988	0.0391817	0.24080796	0.99999994
Txndc12	0.64196276	0.40455854	0.36556706	0.03899148	0.23886168	0.99999994
Rasl11b	0.11531655	0.13538734	0.09657504	0.0388123	0.00373527	0.20603432
Eno1	0.77643791	0.4377855	0.39902622	0.03875928	0.25895735	0.99999994
Rplp0	2.32472678	0.40912013	0.37041494	0.03870519	0.24336085	0.99999994
Snrpa1	0.5842155	0.38467955	0.34610192	0.03857764	0.22906209	0.99999994

Slc35d3	0.16756072	0.17319526	0.13465905	0.03853621	0.02839712	0.85915875
Rtn4	0.50728052	0.35555461	0.31703236	0.03852226	0.20931314	0.99999994
Mmp14	0.24255664	0.2223648	0.18396874	0.03839606	0.08237891	0.99999994
Tox	0.31194807	0.26280618	0.22454803	0.03825815	0.12837628	0.99999994
Edem2	0.55288257	0.37291176	0.33470421	0.03820755	0.22367376	0.99999994
Plk3	0.14302506	0.15522689	0.11717722	0.03804967	0.01533045	0.56883004
Rpl5	1.78384608	0.41953353	0.38164922	0.03788431	0.254389	0.99999994
Fubp1	1.0202013	0.46518306	0.42742755	0.03775551	0.27827653	0.99999994
Spc25	0.18949799	0.18744413	0.14970953	0.0377346	0.04669806	0.99999994
Arl4a	0.38707077	0.30116754	0.26362612	0.03754142	0.17159216	0.99999994
Irf2bpl	0.3333549	0.27345413	0.23617275	0.03728138	0.14668699	0.99999994
Miat	0.15574167	0.16355813	0.12632505	0.03723308	0.02488727	0.78872359
Hmga2	0.15282999	0.16129244	0.12424716	0.03704528	0.02359191	0.75975493
Efna4	0.11924733	0.13648458	0.0995546	0.03692997	0.00677098	0.32316245
Pgf	0.16838857	0.17202688	0.1352368	0.03679007	0.03508529	0.98641032
Kdm6b	0.34022634	0.27657161	0.2398194	0.03675221	0.1538444	0.99999994
Il11	0.13598004	0.14873244	0.11202692	0.03670552	0.01459357	0.55521746
Csnk1e	0.32443622	0.26808328	0.23137839	0.03670489	0.14549863	0.99999994
Rpl7	2.68029282	0.39938903	0.36315881	0.03623022	0.25332412	0.99999994
Dpy30	1.16861872	0.46582998	0.42960973	0.03622026	0.28733218	0.99999994
Serinc2	0.24105314	0.21910936	0.18303809	0.03607127	0.09479944	0.99999994
Fabp5	0.44224043	0.32550082	0.28943714	0.03606368	0.20344528	0.99999994
Mt2	0.16353134	0.16788761	0.13183596	0.03605165	0.03436146	0.97085972
Rap1gap2	0.40740117	0.30938891	0.27340846	0.03598045	0.190522	0.99999994
Dpysl4	0.1316581	0.14467351	0.10883816	0.03583535	0.01420314	0.54741557
Klhdc8b	0.35703399	0.28440525	0.24857012	0.03583512	0.16862472	0.99999994
Sphk1	0.09765851	0.11860647	0.08291803	0.03568845	0.00208545	0.13459169
Ifitm1	0.10845393	0.12701461	0.09132639	0.03568823	0.00464559	0.24201117
Mrps33	1.45587961	0.44912457	0.41347441	0.03565016	0.28301178	0.99999994
Tmem163	0.35803246	0.28472583	0.24908258	0.03564325	0.1704186	0.99999994

F3	0.30694307	0.2572581	0.22177121	0.0354869	0.14341026	0.99999994
Elavl4	0.186001	0.18278399	0.14734602	0.03543796	0.0546984	0.99999994
Hnrnpab	0.9763054	0.46019138	0.42485309	0.03533828	0.2899057	0.99999994
Tac1	0.03563284	0.06681033	0.03150103	0.0353093	4.29E-14	1.09E-11
Cbx3	0.49773451	0.34846088	0.31316342	0.03529746	0.22655045	0.99999994
Ttc5	0.58426964	0.38130173	0.3461211	0.03518064	0.24933963	0.99999994
Rpl23a-ps3	0.93244035	0.45644259	0.42135913	0.03508346	0.28971221	0.99999994
Acot1	0.16710733	0.16937747	0.13434231	0.03503516	0.04128962	0.99999994
Sumo1	1.46660314	0.44743427	0.41240236	0.03503191	0.28589043	0.99999994
Hnrnpl	0.79229431	0.43706129	0.40207199	0.03498931	0.28120929	0.99999994
Ogt	0.34974185	0.27976338	0.24480279	0.03496059	0.17090307	0.99999994
Id3	0.10749507	0.1255139	0.09058837	0.03492553	0.00513951	0.25926879
Rps18-ps3	1.56416578	0.43703171	0.40230864	0.03472307	0.28281234	0.99999994
Rasgrp3	0.08318776	0.10590618	0.07128965	0.03461653	0.00061428	0.04640853
Tekt2	0.32700672	0.26728489	0.23276744	0.03451745	0.16180128	0.99999994
Oser1	0.626365	0.39501886	0.36051388	0.03450499	0.26203514	0.99999994
D930028M14	0.10942763	0.12649695	0.09207466	0.03442229	0.0064143	0.30798308
Anapc13	0.94866533	0.45715327	0.42277395	0.03437932	0.29415569	0.99999994
Trp53	0.44231891	0.32372574	0.28947223	0.03425351	0.2154499	0.99999994
Atg3	0.56891204	0.37483977	0.34060869	0.03423107	0.25175987	0.99999994
Ccdc34	0.34343566	0.27566594	0.24150901	0.03415693	0.17324555	0.99999994
Auts2	0.258597	0.22778751	0.1937585	0.03402902	0.12119596	0.99999994
Cym	0.04007016	0.06934785	0.03531971	0.03402814	7.14E-11	1.48E-08
Cdk2ap2	0.66257566	0.40596482	0.37196858	0.03399625	0.27147404	0.99999994
Lurap1l	0.25468916	0.22539079	0.19139713	0.03399366	0.11855876	0.99999994
Slc24a5	0.20906072	0.19654464	0.16268562	0.03385902	0.08297161	0.99999994
Supt4a	0.52270233	0.35683866	0.32315682	0.03368184	0.24391142	0.99999994
Mif	1.27610801	0.45983222	0.42618355	0.03364867	0.29960303	0.99999994
Snw1	0.74467933	0.42600974	0.39243733	0.0335724	0.28452842	0.99999994
Amer1	0.15341947	0.15815788	0.12466863	0.03348925	0.03688222	0.99999994

Fam204a	0.67167468	0.40793577	0.37469376	0.03324202	0.27741513	0.99999994
Sh3bgrl	0.30990497	0.2565414	0.22341716	0.03312424	0.1618498	0.99999994
Smco4	0.19673153	0.18763586	0.15455553	0.03308033	0.07712264	0.99999994
Atp1b1	0.66771094	0.4065314	0.37351187	0.03301953	0.27811804	0.99999994
Ghrl	0.1088808	0.12458292	0.09165457	0.03292834	0.00839211	0.37684119
Cartpt	0.04602627	0.07331956	0.04041028	0.03290928	2.97E-08	4.59E-06
Herpud1	0.46105657	0.33046269	0.29772347	0.03273922	0.23209412	0.99999994
Agpat4	0.32848154	0.26629564	0.23356186	0.03273378	0.17543813	0.99999994
Fam110a	0.23706183	0.21325325	0.18055646	0.03269679	0.11402573	0.99999994
Acin1	0.75875128	0.42812756	0.39544682	0.03268073	0.29112595	0.99999994
Kdm5b	0.61140547	0.38819076	0.35552043	0.03267033	0.2703741	0.99999994
Lsm6	0.91580599	0.45210911	0.41972485	0.03238426	0.30377372	0.99999994
Nsmce4a	0.36014338	0.28249576	0.25016333	0.03233242	0.1948111	0.99999994
Josd2	0.55673777	0.36830736	0.33613844	0.03216892	0.26205502	0.99999994
Ndufb4	1.37774472	0.45222976	0.42010624	0.03212351	0.30538318	0.99999994
Cbfb	0.32308416	0.26272013	0.23064548	0.03207466	0.17731012	0.99999994
Tmsb15l	0.26706142	0.23088441	0.19882311	0.0320613	0.14155173	0.99999994
Fam136a	0.46039171	0.32932072	0.29743499	0.03188573	0.23774431	0.99999994
Apex1	0.52370161	0.35526171	0.32354833	0.03171338	0.25705893	0.99999994
Sox9	0.1949707	0.18505171	0.15338118	0.03167053	0.08465546	0.99999994
Ilf2	0.72245787	0.41913702	0.38751542	0.03162159	0.29350826	0.99999994
Klf10	0.24397395	0.21638353	0.18484399	0.03153954	0.12802848	0.99999994
Bag1	0.93823639	0.45333559	0.42189742	0.03143817	0.30994501	0.99999994
Snx15	0.51358432	0.35056633	0.3195546	0.03101174	0.25914683	0.99999994
Csrp2	0.25747637	0.22400605	0.19308285	0.03092321	0.14320057	0.99999994
Cct2	0.95546695	0.45419961	0.4233045	0.03089511	0.31354816	0.99999994
Lman1	0.85140131	0.44266647	0.41178003	0.03088644	0.30879305	0.99999994
Ctbp1	0.5599457	0.36818777	0.33732516	0.03086262	0.27126065	0.99999994
Uqcc2	1.61513025	0.42794121	0.39718257	0.03075864	0.30310809	0.99999994
Rac1	0.45554599	0.32596847	0.29532322	0.03064525	0.24487065	0.99999994

Smim22	0.78956144	0.43214034	0.40155599	0.03058435	0.30608482	0.99999994
Wfdc15b	0.12445653	0.13400418	0.10347403	0.03053016	0.02476692	0.78647307
Rnf114	0.3358144	0.26789871	0.23748257	0.03041614	0.19696037	0.99999994
Gnao1	0.50397858	0.34606644	0.31570106	0.03036538	0.26100994	0.99999994
Canx	0.95668867	0.45372277	0.42339795	0.03032483	0.31677182	0.99999994
Snrpb2	0.62551415	0.39037151	0.36023321	0.0301383	0.28880031	0.99999994
Suds3	0.31098291	0.25403806	0.22401426	0.03002379	0.18616251	0.99999994
Mycl	0.17875321	0.17239988	0.14240503	0.02999485	0.08045278	0.99999994
Dazap1	0.88438437	0.44616037	0.41622955	0.02993082	0.31609216	0.99999994
Tax1bp3	0.34494044	0.27210488	0.24229828	0.0298066	0.20643899	0.99999994
Ctxn1	0.35701353	0.27832893	0.24855962	0.02976932	0.21266335	0.99999994
Atf3	0.09144312	0.10769389	0.07794989	0.02974401	0.00554383	0.27530911
Atp6v0b	1.59650976	0.42863399	0.39894275	0.02969124	0.31015952	0.99999994
Tmem86a	0.18900616	0.17899651	0.14937791	0.02961859	0.09344757	0.99999994
Nxf1	0.67271051	0.40459636	0.37500128	0.02959507	0.29968064	0.99999994
Fxyd2	0.07324412	0.092675	0.06317272	0.02950228	0.00093993	0.06719025
Stip1	0.78829577	0.43078262	0.40131581	0.02946682	0.31251058	0.99999994
Ap1s2	0.53156634	0.35602657	0.32660797	0.0294186	0.2744001	0.99999994
Ppp2ca	0.46095473	0.32698788	0.2976793	0.02930859	0.25611656	0.99999994
Gprasp2	0.21081889	0.19311539	0.16383164	0.02928375	0.11706699	0.99999994
Glul	0.8086795	0.43427143	0.40505332	0.02921812	0.31556047	0.99999994
Cib1	0.78315702	0.42950626	0.40033278	0.02917348	0.3138136	0.99999994
Cacybp	1.02568953	0.45685769	0.42770159	0.02915611	0.32500112	0.99999994
Sri	0.57989932	0.37368836	0.34456716	0.0291212	0.28686584	0.99999994
Klhdc2	0.71978803	0.41602257	0.38691439	0.02910818	0.30826709	0.99999994
Sf3b1	1.08399959	0.4585915	0.4295082	0.02908329	0.32609494	0.99999994
Peli1	0.31082403	0.25298903	0.22392632	0.0290627	0.19381919	0.99999994
Pdlim4	0.21063151	0.19256271	0.16370965	0.02885306	0.1203674	0.99999994
Dynll2	0.8933496	0.44599078	0.4172967	0.02869408	0.32358284	0.99999994
Gm9493	0.75337133	0.42288786	0.39431534	0.02857252	0.31478684	0.99999994

Aldoa	1.38513146	0.44810845	0.41955545	0.028553	0.32527405	0.99999994
Aard	0.073264	0.09161743	0.06318906	0.02842838	0.00137378	0.09480243
Agtrap	0.30640095	0.2498784	0.22146911	0.0284093	0.19659274	0.99999994
Zfp703	0.21464274	0.19446377	0.166313	0.02815078	0.12993874	0.99999994
Taf10	0.31836012	0.25618069	0.22807235	0.02810834	0.20600829	0.99999994
Mtftp1	0.30898771	0.25099309	0.22290826	0.02808483	0.20083207	0.99999994
Tmbim1	0.27363698	0.23074514	0.20270936	0.02803579	0.17862708	0.99999994
lsyna1	0.70584169	0.41153966	0.38360787	0.02793179	0.31395451	0.99999994
Snx6	0.60004635	0.37956832	0.35163838	0.02792994	0.29850632	0.99999994
St6galnac2	0.21550925	0.1947437	0.16687318	0.02787051	0.13312945	0.99999994
Pik3r1	0.42474539	0.30935161	0.28150163	0.02784999	0.25509627	0.99999994
Bcl2	0.08004204	0.09650041	0.06873308	0.02776733	0.00358238	0.20108012
Atf4	0.62788191	0.38870863	0.3610111	0.02769753	0.30478413	0.99999994
Snrpe	1.43091128	0.44344895	0.41579587	0.02765308	0.32899489	0.99999994
Ube2g1	0.47510512	0.3313961	0.30374666	0.02764944	0.27228571	0.99999994
Gata6	0.22656526	0.20125272	0.17395206	0.02730066	0.14808714	0.99999994
Carhsp1	0.65786209	0.39774891	0.37053994	0.02720896	0.31249864	0.99999994
Tspan6	0.23013363	0.20337743	0.17620969	0.02716774	0.15238282	0.99999994
Dnajc7	0.6820732	0.40463711	0.37752605	0.02711106	0.31632183	0.99999994
Nudt21	0.57457452	0.36969561	0.34265753	0.02703808	0.29971052	0.99999994
Haus7	0.34666345	0.27022643	0.24319927	0.02702716	0.2297311	0.99999994
Sulf2	0.18149741	0.17100668	0.14428259	0.02672409	0.10880769	0.99999994
Dazap2	0.49535584	0.3388672	0.31218976	0.02667744	0.28474478	0.99999994
Col9a3	0.13652428	0.13910163	0.11242689	0.02667474	0.05713275	0.99999994
Epb42	0.09030708	0.10366881	0.07703754	0.02663127	0.0106944	0.45951322
Mfge8	0.14317003	0.14390139	0.11728259	0.0266188	0.0654265	0.99999994
Rhobtb3	0.22578738	0.20007277	0.1734582	0.02661457	0.15355171	0.99999994
Tcp11	0.20479622	0.18649665	0.15989196	0.02660469	0.13402538	0.99999994
Ythdc1	0.36883459	0.28112424	0.25457273	0.02655151	0.24376364	0.99999994
Rpl23	2.834164	0.38051513	0.35396461	0.02655052	0.30878875	0.99999994

Rps7	2.83021741	0.38076508	0.35422739	0.02653769	0.30900418	0.99999994
Tubb2b	0.17983056	0.16966747	0.14314313	0.02652434	0.10870969	0.99999994
Rrbp1	0.83331053	0.43542645	0.40901467	0.02641178	0.33366009	0.99999994
Cnih4	0.35085721	0.27178934	0.24538185	0.02640749	0.23688963	0.99999994
Cadm1	0.22620491	0.20004782	0.17372335	0.02632447	0.1565726	0.99999994
Klc3	0.57108811	0.36770049	0.34139826	0.02630224	0.30403734	0.99999994
Rab15	0.12112078	0.12723769	0.10096801	0.02626967	0.04165111	0.99999994
Pex19	0.47987126	0.33202677	0.30575897	0.0262678	0.28371225	0.99999994
Pdap1	1.50035137	0.43528379	0.40903032	0.02625347	0.33460373	0.99999994
Zfand6	1.04133374	0.45461247	0.42839804	0.02621444	0.34188856	0.99999994
Xlr3a	0.12353396	0.1289947	0.1027823	0.0262124	0.04479539	0.99999994
Mest	0.07070637	0.08728501	0.06108439	0.02620061	0.00215132	0.13717669
Rhoc	0.31792494	0.25403264	0.22783434	0.0261983	0.22201558	0.99999994
Dapk3	0.16928214	0.16189708	0.13585956	0.02603752	0.10103208	0.99999994
Clic1	1.08977671	0.45557735	0.42959122	0.02598612	0.34360454	0.99999994
Gdap11l1	0.47254257	0.32861559	0.30265841	0.02595718	0.28404203	0.99999994
Serpinf2	0.06768241	0.08447339	0.05858696	0.02588643	0.00163531	0.11031784
Ptprn2	0.48929788	0.33541622	0.30969337	0.02572285	0.29017584	0.99999994
Mxd4	0.36383368	0.27765471	0.25204305	0.02561166	0.24939529	0.99999994
Srsf11	1.11780289	0.45549499	0.42991798	0.025577	0.34605064	0.99999994
Cox20	0.64716757	0.39277662	0.36721021	0.0255664	0.32152525	0.99999994
Slc29a1	0.35736456	0.27424945	0.24873988	0.02550957	0.24741584	0.99999994
Raly	0.98047346	0.45062347	0.42514401	0.02547946	0.34497438	0.99999994
Nit2	0.35271648	0.27177763	0.24634484	0.02543279	0.24597632	0.99999994
Idh2	0.97764324	0.45015739	0.42494716	0.02521023	0.34646123	0.99999994
Gclm	0.27959509	0.23119462	0.20619538	0.02499924	0.20982736	0.99999994
Fxr1	0.48354418	0.33215736	0.30729934	0.02485802	0.29513483	0.99999994
Zfp326	0.46328445	0.3234319	0.29868792	0.02474399	0.29067021	0.99999994
Mmd2	0.18263535	0.1697868	0.14505873	0.02472807	0.12824947	0.99999994
Bnip3l	0.88943148	0.44150974	0.41683446	0.02467528	0.34677746	0.99999994

Top2b	0.39260265	0.29098308	0.2663202	0.02466288	0.26880886	0.99999994
Magoh	0.9896862	0.45042741	0.42576491	0.0246625	0.34990734	0.99999994
Pla2g2f	0.32590739	0.25678815	0.23217407	0.02461408	0.24019421	0.99999994
Anp32b	1.06432444	0.45371433	0.42915522	0.02455911	0.35163094	0.99999994
Ndufc1	1.35098132	0.44648839	0.42198082	0.02450757	0.34953198	0.99999994
Nr2f6	0.23037545	0.20083041	0.17636222	0.0244682	0.17787548	0.99999994
Ubb	3.25258732	0.31446057	0.29008212	0.02437844	0.28794471	0.99999994
Fhl2	0.12439423	0.12757237	0.10342735	0.02414502	0.0601017	0.99999994
Ptms	0.56120154	0.36191735	0.33778807	0.02412927	0.31722074	0.99999994
Espn	0.08533213	0.09714661	0.07302648	0.02412013	0.01395504	0.54149729
Cldnd1	0.54776093	0.35686033	0.3327849	0.02407543	0.31506059	0.99999994
Homer2	0.13065272	0.13213241	0.10809318	0.02403923	0.06939239	0.99999994
Npm1	2.06903014	0.39281124	0.36889262	0.02391862	0.33301918	0.99999994
Asf1a	0.45030936	0.31692535	0.2930218	0.02390355	0.29356522	0.99999994
Ccng2	0.20086448	0.18110862	0.15729892	0.0238097	0.15683625	0.99999994
Eef1g	2.09319689	0.39229991	0.3684984	0.02380151	0.33362045	0.99999994
Hnrnpd	0.30296688	0.2433249	0.21954939	0.02377551	0.23550637	0.99999994
Efcab10	0.19768842	0.17894592	0.15519232	0.0237536	0.15414505	0.99999994
Glo1	0.75518577	0.41843425	0.39469856	0.02373569	0.34447205	0.99999994
Ptbp3	0.58430916	0.36986311	0.3461351	0.02372801	0.32408643	0.99999994
Hmgb1	1.89530935	0.39823305	0.37458426	0.02364878	0.33715557	0.99999994
Phip	0.72383679	0.41137947	0.38782436	0.0235551	0.34300193	0.99999994
Tcp11l2	0.18068122	0.16726801	0.14372502	0.02354299	0.13777954	0.99999994
Myt1	0.27995017	0.22988692	0.2064021	0.02348482	0.22441318	0.99999994
Smpdl3a	0.20585676	0.1839094	0.1605886	0.0233208	0.16686167	0.99999994
Paics	0.39619701	0.29135585	0.26805719	0.02329866	0.28144679	0.99999994
Smim14	1.00376065	0.44978125	0.42662218	0.02315907	0.35892319	0.99999994
Sult2b1	0.14392099	0.14085154	0.117828	0.02302354	0.09668926	0.99999994
Gm10709	1.79595128	0.40373375	0.38073125	0.02300251	0.34378503	0.99999994
Cks1b	0.53173216	0.34960205	0.32667206	0.02292999	0.32016853	0.99999994

Syce2	0.49117867	0.33327302	0.31047099	0.02280203	0.31246852	0.99999994
Rpl13a	3.36577964	0.2935555	0.2708549	0.0227006	0.28846469	0.99999994
Eci2	0.50842634	0.34017563	0.3174927	0.02268293	0.31719524	0.99999994
Ccnl1	0.58647809	0.36958283	0.34690221	0.02268062	0.3317102	0.99999994
Mad2l2	0.43919989	0.31073733	0.28807441	0.02266292	0.30025815	0.99999994
Smdt1	1.46138293	0.43557702	0.41292597	0.02265105	0.35750555	0.99999994
Pard3	0.36271263	0.27407965	0.25147321	0.02260644	0.27479314	0.99999994
Paip2	1.37882249	0.44252729	0.42002641	0.02250088	0.36070231	0.99999994
Serpinb1a	0.12212699	0.12408341	0.10172537	0.02235804	0.07173513	0.99999994
Gtf3c6	0.37834525	0.28161579	0.25932799	0.0222878	0.28363491	0.99999994
Prss50	0.09032249	0.0992996	0.07704992	0.02224968	0.02729314	0.83669235
Eml4	0.2467823	0.20867522	0.18657245	0.02210277	0.21518402	0.99999994
Cct4	0.90298191	0.44037678	0.41836877	0.02200801	0.36311182	0.99999994
Hsph1	0.3389087	0.2610954	0.23912321	0.02197219	0.27039155	0.99999994
Srek1ip1	0.35231409	0.26809742	0.24613666	0.02196076	0.27629205	0.99999994
Mex3a	0.16179328	0.15244074	0.13061256	0.02182818	0.13297854	0.99999994
Rogdi	0.818224	0.42847832	0.40667189	0.02180643	0.36057394	0.99999994
Mrpl1	0.50971835	0.33979918	0.31801077	0.02178841	0.32417403	0.99999994
Yrdc	0.19518754	0.17523805	0.15352598	0.02171207	0.17326	0.99999994
Smc6	0.56472951	0.36073415	0.33908336	0.0216508	0.33541294	0.99999994
Lingo1	0.225905	0.19517381	0.17353291	0.02164089	0.20324135	0.99999994
Pttg1	0.11574422	0.11850189	0.09690014	0.02160175	0.06891928	0.99999994
Pisd	0.22891107	0.19691419	0.17543765	0.02147654	0.20757884	0.99999994
Myef2	0.41902943	0.30031117	0.27885942	0.02145175	0.3043073	0.99999994
Slbp	0.57633871	0.36474142	0.34329207	0.02144935	0.33874225	0.99999994
Pde1c	0.2812524	0.22859083	0.2071592	0.02143163	0.24552726	0.99999994
Btf3l4	0.98668515	0.44697668	0.42556598	0.0214107	0.36885446	0.99999994
Rnaseh2c	0.3867457	0.28480372	0.26346706	0.02133666	0.29492288	0.99999994
Rbfox2	0.43835152	0.30901668	0.287693	0.02132368	0.31087687	0.99999994
Ncl	1.44904356	0.43530037	0.41415047	0.0211499	0.36695542	0.99999994

Qsox1	0.20187518	0.17900338	0.15796705	0.02103632	0.18769538	0.99999994
Arrdc4	0.251214	0.21019385	0.18928434	0.02090952	0.23107768	0.99999994
Fjx1	0.08750723	0.09556503	0.07478331	0.02078172	0.03217463	0.92747887
Plk2	0.12985826	0.12825666	0.10750351	0.02075315	0.09939879	0.99999994
Lsm7	0.40146956	0.29133611	0.27058732	0.02074879	0.30488098	0.99999994
Btbd1	0.29043072	0.23315577	0.21244937	0.0207064	0.25824589	0.99999994
Ahsa2	0.3904768	0.28591842	0.26528784	0.02063058	0.30235351	0.99999994
Wsb1	0.19437737	0.17361241	0.15298472	0.02062768	0.18472357	0.99999994
Ing4	0.50497566	0.3367035	0.3161038	0.02059969	0.33222478	0.99999994
Sin3b	1.00436277	0.44716223	0.42665732	0.02050491	0.37452178	0.99999994
Rsl1d1	0.58187873	0.36569741	0.34527232	0.02042509	0.34687671	0.99999994
Fblim1	0.11882995	0.11961281	0.09923913	0.02037368	0.08588431	0.99999994
Dmrtc1a	0.1037567	0.10805513	0.08769995	0.02035518	0.06118007	0.99999994
P4hb	0.83931625	0.43025434	0.40995374	0.0203006	0.3708444	0.99999994
Tmed1	0.27132589	0.2215602	0.20134824	0.02021196	0.2520075	0.99999994
Rpn1	0.90003013	0.43825546	0.41804431	0.02021115	0.37379668	0.99999994
Gng3	0.06192864	0.07400836	0.05380778	0.02020058	0.00622831	0.30269945
Ahsa1	0.94820755	0.44281679	0.42273761	0.02007918	0.37593921	0.99999994
Rpl10-ps3	0.4697067	0.3214859	0.30144891	0.02003699	0.32908501	0.99999994
Trp53inp1	0.16177919	0.15063135	0.13060262	0.02002873	0.153676	0.99999994
Bckdha	0.40049098	0.29014682	0.27011933	0.02002749	0.31082147	0.99999994
Prkaca	0.28121356	0.22713568	0.20713664	0.01999903	0.26021877	0.99999994
F11r	0.4397281	0.30828979	0.28831162	0.01997817	0.32231199	0.99999994
Dera	0.39205514	0.28596885	0.26605474	0.0199141	0.30916236	0.99999994
Tecpr1	0.25666542	0.21248135	0.19259315	0.0198882	0.24592446	0.99999994
Nasp	0.40669633	0.29294457	0.2730747	0.01986987	0.31407231	0.99999994
Bnip2	0.2504797	0.20870011	0.18883632	0.01986379	0.24190562	0.99999994
Alyref	0.18104634	0.16383566	0.14397454	0.01986112	0.17924744	0.99999994
Snrpn	0.29439283	0.23449501	0.21470899	0.01978602	0.2698054	0.99999994
Fkbp3	1.05097103	0.448501	0.42874049	0.01976051	0.37950187	0.99999994

Yaf2	0.27443618	0.22276825	0.20317888	0.01958937	0.26051163	0.99999994
Rbm18	0.35890565	0.26907535	0.24953008	0.01954527	0.30105059	0.99999994
Supt16	0.41646866	0.29715843	0.27766763	0.0194908	0.32016364	0.99999994
Bcl7a	0.26623387	0.21778167	0.19833095	0.01945072	0.25694178	0.99999994
Mrpl33	0.72277147	0.40698114	0.38758577	0.01939536	0.36953167	0.99999994
Ppm1b	0.58093845	0.36426481	0.34493763	0.01932719	0.3545883	0.99999994
Ttc1	0.46913075	0.32051556	0.30120259	0.01931297	0.33476156	0.99999994
Trf	0.09844344	0.10284355	0.08354265	0.0193009	0.06204609	0.99999994
Psmc2	1.21696143	0.44770782	0.42851655	0.01919127	0.3828106	0.99999994
Ube2v2	0.82486602	0.426881	0.40770805	0.01917295	0.37713157	0.99999994
Cnot6l	0.70407351	0.40235241	0.38318059	0.01917182	0.36955201	0.99999994
Gm28172	0.08270521	0.09005209	0.07089815	0.01915394	0.0360655	0.99999994
Kctd12b	0.15366418	0.14397126	0.12484347	0.01912779	0.15390022	0.99999994
Plscr3	0.33291645	0.25504365	0.23593871	0.01910494	0.29494579	0.99999994
Stk11	0.43247993	0.3041365	0.28503764	0.01909886	0.32779597	0.99999994
Gm1673	0.62143043	0.37794825	0.35888018	0.01906807	0.3617944	0.99999994
Smarca5	0.57407221	0.36142575	0.34247653	0.01894922	0.3563262	0.99999994
Tmem59	1.9351415	0.39113113	0.37225566	0.01887547	0.36786434	0.99999994
Capza2	0.96266785	0.44270271	0.42385594	0.01884676	0.38362455	0.99999994
Hmgcr	0.43351328	0.30427361	0.28550678	0.01876683	0.33086233	0.99999994
Rgs16	0.1365729	0.13113627	0.1124626	0.01867368	0.13452681	0.99999994
Wasf2	0.39796052	0.28757242	0.2689058	0.01866661	0.32201776	0.99999994
Numbl	0.16263498	0.14983933	0.13120545	0.01863388	0.17224269	0.99999994
Grb7	0.26850739	0.21825715	0.19968149	0.01857566	0.26788658	0.99999994
Gpd2	0.44967145	0.31128512	0.29274007	0.01854504	0.33662954	0.99999994
Chd7	0.64050955	0.38363298	0.36510259	0.01853039	0.36774326	0.99999994
Nrtn	0.196433	0.17285759	0.15435667	0.01850092	0.21248761	0.99999994
Ash2l	0.44705004	0.31007664	0.29157936	0.01849728	0.33641481	0.99999994
Zfp422	0.30136784	0.23713995	0.21865191	0.01848804	0.28677667	0.99999994
Muc1	0.13198333	0.12753929	0.1090789	0.01846039	0.12997391	0.99999994

Prom1	0.10764802	0.10909797	0.09070617	0.0183918	0.08856265	0.99999994
Lipc	0.04586102	0.05866139	0.04026959	0.0183918	0.00118261	0.08196535
Lynx1	0.09268599	0.09731341	0.07894651	0.01836691	0.06073871	0.99999994
Sde2	0.29561901	0.23376587	0.21540541	0.01836046	0.28523262	0.99999994
Crip2	0.16402255	0.15051667	0.1321811	0.01833557	0.17791497	0.99999994
Tex30	0.23407663	0.19701957	0.17868943	0.01833015	0.24736151	0.99999994
Sfr1	1.17800265	0.44776344	0.42947325	0.01829019	0.38840537	0.99999994
Cd40	0.08639547	0.09215191	0.07388595	0.01826596	0.04992581	0.99999994
Cplx2	0.59964076	0.3697237	0.35149841	0.01822529	0.36499679	0.99999994
Tomm7	1.25779679	0.44521987	0.42700592	0.01821394	0.38823314	0.99999994
Fundc2	0.5682121	0.35855534	0.34035414	0.01820119	0.36093393	0.99999994
Halr1	0.06874336	0.07765062	0.0594643	0.01818632	0.02088756	0.69426319
Rps21	1.86478795	0.39442163	0.37624222	0.01817941	0.37386868	0.99999994
Ube2j2	0.49012978	0.32818278	0.31003761	0.01814518	0.34842795	0.99999994
Nfix	0.13587285	0.13008634	0.1119481	0.01813823	0.14040822	0.99999994
Slc38a1	0.22608739	0.19161638	0.17364874	0.01796763	0.24549314	0.99999994
Srsf9	0.62213668	0.37703999	0.35911482	0.01792517	0.36984978	0.99999994
Capsl	0.36083319	0.26840058	0.25051561	0.01788497	0.31731686	0.99999994
Ptn	0.08516207	0.09077023	0.07288891	0.01788131	0.05123908	0.99999994
Serpinf1	0.08716375	0.09230873	0.0745062	0.01780252	0.05586432	0.99999994
Vps37a	0.62077626	0.37645671	0.35866261	0.0177941	0.3706102	0.99999994
Insig1	0.13664859	0.13027491	0.11251819	0.01775672	0.1467549	0.99999994
Pcolce	0.12595524	0.12228781	0.10459555	0.01769227	0.13009999	0.99999994
Snrpd3	1.10319807	0.44743873	0.42979467	0.01764406	0.39232713	0.99999994
Lxn	0.14755872	0.13810274	0.12046044	0.0176423	0.16481201	0.99999994
Rpl35	2.0019025	0.38835133	0.3707623	0.01758903	0.37608521	0.99999994
Crybb1	0.11251656	0.1120043	0.09444062	0.01756368	0.10787251	0.99999994
Egr4	0.02993565	0.04404923	0.02656499	0.01748424	5.91E-06	0.00065845
Tpst1	0.24462338	0.20271544	0.18524439	0.01747105	0.2650725	0.99999994
Kdm5a	0.35483527	0.2648826	0.24743878	0.01744381	0.31944314	0.99999994

Atrx	0.70774512	0.40141694	0.38406595	0.01735099	0.3818159	0.99999994
Eps8l2	0.2259272	0.19087775	0.17354701	0.01733074	0.25311584	0.99999994
Arglu1	0.34761256	0.26101356	0.2436945	0.01731906	0.31808552	0.99999994
Tmem184c	0.19267545	0.16900877	0.15184543	0.01716335	0.22591143	0.99999994
Nt5dc2	0.89244342	0.43433574	0.41719036	0.01714538	0.39221213	0.99999994
Ppp1r17	0.04792954	0.05915649	0.04202855	0.01712794	0.00333714	0.19215635
Rbm22	0.38771623	0.28106702	0.26394172	0.0171253	0.33291297	0.99999994
Eif2s3y	0.21714246	0.1850257	0.16792692	0.01709878	0.24895922	0.99999994
Yy1	0.41911588	0.29597983	0.27889957	0.01708026	0.34176674	0.99999994
Guk1	0.73544934	0.40744873	0.39039096	0.01705777	0.38558557	0.99999994
Nhlh1	0.05533688	0.06528102	0.04828823	0.01699279	0.00958021	0.42187319
Psm10	0.34741532	0.26049958	0.24359164	0.01690794	0.32203187	0.99999994
Eif4a1	2.567437	0.38401264	0.36712424	0.0168884	0.37972432	0.99999994
Rbms3	0.15978472	0.14602657	0.12919422	0.01683235	0.19290575	0.99999994
Sesn2	0.18045389	0.16038972	0.1435696	0.01682012	0.21774366	0.99999994
Rtf1	0.59814951	0.36770821	0.350983	0.01672521	0.37554897	0.99999994
Fuca1	0.50097038	0.3311998	0.31448204	0.01671776	0.36172575	0.99999994
Rai2	0.1780808	0.15859847	0.1419437	0.01665476	0.21739707	0.99999994
N6amt1	0.36005958	0.26660889	0.25012049	0.0164884	0.33040353	0.99999994
Fam32a	1.033665	0.44447941	0.42808539	0.01639402	0.39939518	0.99999994
Slc25a33	0.09211937	0.09483649	0.07849235	0.01634414	0.08286942	0.99999994
Tmed10	1.64719264	0.41040067	0.39409074	0.01630993	0.39147312	0.99999994
Tcf3	0.39622876	0.28432646	0.26807249	0.01625397	0.34325591	0.99999994
Enc1	0.12545866	0.12043118	0.10422425	0.01620693	0.15031875	0.99999994
Mat2a	0.39597352	0.28412196	0.26794948	0.01617248	0.3439325	0.99999994
Pola1	0.11275882	0.11076415	0.09462568	0.01613847	0.12813618	0.99999994
Smc1a	0.44832384	0.30823185	0.29214398	0.01608787	0.35697576	0.99999994
Chd3	0.47700023	0.32062593	0.30454862	0.01607731	0.36264667	0.99999994
Pfn2	0.33591621	0.2536098	0.23753667	0.01607312	0.32620806	0.99999994
Acads	0.34317166	0.25743993	0.24137035	0.01606957	0.32882626	0.99999994

Hnrnpdl	0.66462193	0.38863718	0.37258517	0.01605201	0.38714253	0.99999994
Tcea3	0.0426265	0.05354997	0.03750948	0.01604049	0.00221004	0.13925008
Jam3	0.19860127	0.171821	0.15579889	0.01602212	0.24682042	0.99999994
Megf11	0.08909289	0.09207159	0.07606096	0.01601063	0.08058526	0.99999994
Ndn	0.49508899	0.32806114	0.31208031	0.01598083	0.36660636	0.99999994
Gatad1	0.27978146	0.22227799	0.2063039	0.01597409	0.30313639	0.99999994
Chd1	0.30431612	0.2362658	0.22030489	0.0159609	0.31481505	0.99999994
Acat1	0.46887841	0.31699448	0.30109455	0.01589992	0.36260557	0.99999994
Urah	0.09079196	0.09327637	0.0774271	0.01584927	0.08651191	0.99999994
Fam89a	0.11814891	0.11448096	0.09872391	0.01575705	0.14402637	0.99999994
Gabpb1	0.20009323	0.17250949	0.15678835	0.01572113	0.25224828	0.99999994
Smap1	0.21919905	0.1848597	0.16924991	0.01560979	0.26963715	0.99999994
Chd4	0.74957397	0.40909911	0.39350501	0.0155941	0.3959736	0.99999994
Ewsr1	0.97427749	0.44028512	0.42470927	0.01557584	0.40357044	0.99999994
Rnf138rt1	0.18396182	0.16149783	0.14596168	0.01553616	0.23931658	0.99999994
Zranb2	0.5536898	0.3505174	0.33500525	0.01551215	0.37895847	0.99999994
Psm14	0.5500887	0.34915959	0.33365927	0.01550033	0.37857527	0.99999994
Brd3	0.62321772	0.37495515	0.35947345	0.0154817	0.38718092	0.99999994
Eif2b2	0.43626204	0.30219418	0.28675098	0.0154432	0.35999076	0.99999994
Synpr	0.13413547	0.12611083	0.11066871	0.01544212	0.17649823	0.99999994
Ssbp2	0.2999664	0.23329097	0.21786347	0.01542751	0.31869368	0.99999994
Gadd45gip1	0.70713708	0.39934364	0.38391983	0.01542381	0.39457434	0.99999994
Ssrp1	0.52145293	0.33803993	0.32266644	0.0153735	0.37556745	0.99999994
Hba-a2	0.32631111	0.24776125	0.2323921	0.01536915	0.32989062	0.99999994
Rps26-ps1	0.3782788	0.2746516	0.25929503	0.01535657	0.34671	0.99999994
Klf3	0.22233821	0.18658414	0.17126096	0.01532318	0.27573388	0.99999994
Ptprf	0.67899322	0.39202241	0.37670077	0.01532164	0.39329718	0.99999994
Dnajb1	0.38366351	0.27710455	0.2619548	0.01514975	0.35013344	0.99999994
Bzw1	0.71678448	0.40136356	0.38621498	0.01514858	0.39701401	0.99999994
Mospd1	0.11254819	0.10958328	0.09446479	0.01511849	0.14336825	0.99999994

Gsr	0.35570177	0.26299141	0.24788511	0.0151063	0.34250231	0.99999994
Klhl24	0.16995621	0.15142023	0.13632874	0.01509149	0.23060554	0.99999994
Inpp1	0.17134099	0.15236383	0.13729102	0.01507281	0.23245568	0.99999994
Gstz1	0.78770022	0.41623666	0.40120252	0.01503414	0.40151344	0.99999994
Pabpc1	1.33887231	0.43778828	0.42275539	0.01503289	0.40644651	0.99999994
Zfp644	0.36399797	0.26714762	0.25212647	0.01502115	0.34584174	0.99999994
Dtd1	0.26698321	0.21379757	0.19877662	0.01502095	0.30748185	0.99999994
Dusp10	0.20379436	0.17423483	0.15923276	0.01500207	0.26528809	0.99999994
Rfx6	0.27559019	0.21885273	0.2038558	0.01499693	0.31217874	0.99999994
Cfl2	0.45865232	0.31166758	0.29667883	0.01498875	0.36832566	0.99999994
Plac8	0.06250656	0.06927492	0.05428943	0.01498549	0.03307894	0.94678472
Nudt11	0.08127522	0.08464689	0.06973654	0.01491034	0.07734004	0.99999994
Prpsap1	0.43925022	0.30294992	0.28809702	0.0148529	0.36573533	0.99999994
Lpcat3	0.42644713	0.2971225	0.28228334	0.01483916	0.36320183	0.99999994
Dpysl2	0.35085047	0.26019484	0.24537835	0.01481649	0.34386936	0.99999994
Lmo4	0.10877501	0.1063391	0.09157326	0.01476584	0.14156554	0.99999994
Ythdf2	0.39468961	0.28205761	0.26732994	0.01472767	0.35691757	0.99999994
Mbd3	0.68751007	0.39368173	0.37897037	0.01471137	0.39805097	0.99999994
Brd4	0.34972617	0.2594998	0.24479464	0.01470516	0.34463102	0.99999994
Ly6h	0.06983214	0.07506743	0.06036339	0.01470404	0.05246217	0.99999994
Fbxo44	0.17852788	0.15694515	0.14225049	0.01469466	0.24584905	0.99999994
Ttc28	0.30112921	0.23318979	0.21851779	0.014672	0.32746293	0.99999994
B630019K06	0.23318991	0.1928001	0.17813313	0.01466697	0.29182347	0.99999994
Ube2m	0.20417798	0.1741475	0.1594853	0.0146622	0.27028575	0.99999994
Dync1i2	0.8651257	0.42837756	0.41374038	0.01463718	0.40691557	0.99999994
Fus	1.12299143	0.44454095	0.42993066	0.01461029	0.41052204	0.99999994
Dnajc8	0.9418062	0.43677207	0.42222098	0.01455108	0.40927927	0.99999994
Eif1b	0.87955212	0.43012643	0.41564033	0.0144861	0.40827265	0.99999994
Sgce	0.09882013	0.09832491	0.08384217	0.01448273	0.12511187	0.99999994
Asph	0.27215054	0.2162819	0.20183449	0.0144474	0.31687152	0.99999994

Cdc34	0.21354662	0.18004228	0.16560325	0.01443902	0.28083229	0.99999994
Upk3bl	0.05373608	0.06137433	0.0469406	0.01443373	0.02034092	0.68362409
Cbfa2t2	0.20342007	0.17341228	0.15898622	0.01442606	0.27292738	0.99999994
Fabp3	0.10875386	0.10595404	0.091557	0.01439704	0.1476212	0.99999994
Sap30	0.27290642	0.21662839	0.20227963	0.01434875	0.31840261	0.99999994
Rps3a1	2.94744222	0.35784383	0.34351214	0.01433169	0.39061739	0.99999994
Spink4	0.07708946	0.08058248	0.06632403	0.01425845	0.07621587	0.99999994
Wnk3	0.12600357	0.11887881	0.10463167	0.01424714	0.18237238	0.99999994
Sh2d3c	0.22789229	0.18903874	0.17479314	0.0142456	0.29373993	0.99999994
Zyx	0.12735988	0.11986699	0.1056442	0.01422279	0.18508901	0.99999994
St13	0.9311035	0.43544931	0.42123312	0.01421619	0.4111276	0.99999994
Commd3	0.712111	0.39929917	0.38510932	0.01418985	0.40312674	0.99999994
Ddx46	0.40346423	0.28572726	0.271539	0.01418826	0.36399398	0.99999994
Gprasp1	0.2305834	0.19065172	0.17649334	0.01415838	0.29667901	0.99999994
Ids	0.26798389	0.2134281	0.19937095	0.01405716	0.31941923	0.99999994
Fdft1	0.37232281	0.27037453	0.25632539	0.01404914	0.3576178	0.99999994
Cir1	0.37330785	0.27085072	0.25681857	0.01403215	0.35804382	0.99999994
Mat2b	0.32551971	0.24595019	0.23196457	0.01398562	0.34409029	0.99999994
Glr3	1.07164265	0.44331144	0.42935074	0.0139607	0.41432351	0.99999994
Nisch	1.12203919	0.44388386	0.4299289	0.01395496	0.4144716	0.99999994
Erp29	1.29496246	0.43919343	0.42524289	0.01395055	0.41357084	0.99999994
Galk1	0.0703668	0.07474657	0.06080444	0.01394213	0.06347166	0.99999994
Hspd1	1.09196771	0.443531	0.42962847	0.01390252	0.41472936	0.99999994
Hnrnpa2b1	1.90790687	0.38769213	0.37382113	0.013871	0.40245771	0.99999994
Rcn2	0.5486675	0.34692527	0.33312593	0.01379933	0.39137716	0.99999994
Ttyh2	0.1433787	0.13121616	0.11743421	0.01378195	0.21734741	0.99999994
Coa3	1.43576314	0.42909529	0.41535984	0.01373545	0.41288975	0.99999994
mt-Nd3	0.73472874	0.40394304	0.39022937	0.01371367	0.40752288	0.99999994
Tprgl	0.58489544	0.36005525	0.34634272	0.01371253	0.39606683	0.99999994
Klf13	0.18777299	0.16225189	0.14854531	0.01370658	0.26954303	0.99999994

Lyar	0.35399728	0.2607128	0.24700656	0.01370624	0.35593075	0.99999994
R3hcc1	0.18751474	0.16207037	0.14837074	0.01369963	0.26940721	0.99999994
Rtn1	0.03619092	0.0456801	0.03198254	0.01369756	0.00218046	0.13848085
Brix1	0.4515397	0.30722284	0.29356436	0.01365849	0.378396	0.99999994
Kit	0.17071582	0.15051399	0.13685685	0.01365713	0.25326608	0.99999994
Ifitm3	0.12709888	0.11909958	0.10544953	0.01365005	0.19444266	0.99999994
Kdm7a	0.36500826	0.26627701	0.25263901	0.013638	0.3596761	0.99999994
Mapk13	0.18629739	0.16116093	0.14754686	0.01361407	0.26954872	0.99999994
S100a1	0.44959677	0.3062807	0.29270707	0.01357363	0.37878491	0.99999994
Acvr2b	0.08145082	0.08344394	0.0698793	0.01356464	0.09816115	0.99999994
Arf6	0.17150005	0.15094614	0.13740141	0.01354473	0.25585767	0.99999994
Pdcd10	0.60587367	0.36718098	0.35363927	0.0135417	0.39940479	0.99999994
Hspa4l	0.19130987	0.16445646	0.15092892	0.01352755	0.27538726	0.99999994
Pdlim7	0.25287839	0.20382133	0.19029789	0.01352344	0.31809542	0.99999994
Creb3l1	0.12188453	0.11500401	0.10154298	0.01346103	0.18878053	0.99999994
Tmem53	0.19329136	0.16569928	0.15225809	0.01344119	0.27839484	0.99999994
2310033P09l	0.28089874	0.22034457	0.20695375	0.01339083	0.33334473	0.99999994
Fam107b	0.10032954	0.09840942	0.08503649	0.01337292	0.14759929	0.99999994
Map1lc3b	1.23561138	0.44123945	0.42787214	0.01336731	0.41763258	0.99999994
Zfp428	0.28751683	0.22413798	0.21077845	0.01335953	0.33655181	0.99999994
Eva1b	0.86244973	0.42673193	0.41337609	0.01335584	0.41485969	0.99999994
Bhlhe23	0.02866734	0.03880463	0.02546102	0.01334361	0.0002429	0.0204874
Gc	0.07164673	0.07517213	0.06185902	0.0133131	0.07599179	0.99999994
Cenpt	0.12633837	0.11818608	0.10488182	0.01330426	0.19923439	0.99999994
Top1	1.11671171	0.44321137	0.42991153	0.01329984	0.41842568	0.99999994
Ppp1r15a	0.33749354	0.25167334	0.23837387	0.01329947	0.35517926	0.99999994
Tspan12	0.08746872	0.08805006	0.07475225	0.01329781	0.11818446	0.99999994
Tpm1	0.44067266	0.3020188	0.28873531	0.0132835	0.37971438	0.99999994
Zfp451	0.28646534	0.223452	0.21017359	0.01327841	0.33704651	0.99999994
Elof1	1.16031985	0.44286225	0.42968709	0.01317516	0.41913817	0.99999994

Exoc7	0.53935163	0.3427029	0.32959758	0.01310532	0.39563287	0.99999994
Myl12a	0.94883926	0.43587505	0.42278774	0.01308731	0.41837737	0.99999994
Akr1c12	0.37744878	0.27191337	0.25888302	0.01303036	0.36879958	0.99999994
Map1a	0.12370749	0.11592402	0.10291249	0.01301153	0.20001063	0.99999994
Basp1	0.09551499	0.09420383	0.08120911	0.01299472	0.14341055	0.99999994
Rnf220	0.18866957	0.16213351	0.14915083	0.01298268	0.28116106	0.99999994
Uqcrq	1.68335668	0.40359857	0.39061688	0.01298169	0.41246204	0.99999994
Crip1	0.27135543	0.21434719	0.20136567	0.01298153	0.33391859	0.99999994
Ocr1	0.25000183	0.2015221	0.18854447	0.01297762	0.32341841	0.99999994
Igf2bp1	0.15687874	0.14004553	0.12713387	0.01291166	0.24951504	0.99999994
Kras	0.58100675	0.35786971	0.34496195	0.01290775	0.4016545	0.99999994
Sdcbp	0.55448915	0.34820869	0.33530297	0.01290572	0.39889767	0.99999994
Dnase2a	0.31292654	0.23799182	0.22508832	0.0129035	0.35138466	0.99999994
Gtpbp4	0.37765538	0.27186622	0.25898562	0.0128806	0.37030234	0.99999994
Ldb1	0.31396351	0.23853175	0.22566001	0.01287174	0.35209092	0.99999994
Spsb4	0.1462451	0.13233906	0.11951175	0.01282731	0.23747971	0.99999994
Slc39a2	0.0934148	0.09235516	0.07953019	0.01282497	0.1415461	0.99999994
Dcakd	0.45664436	0.30861718	0.29580331	0.01281387	0.38654094	0.99999994
Syt5	0.20176706	0.17070327	0.15789563	0.01280765	0.29462332	0.99999994
Adss	0.25319203	0.2032951	0.19048857	0.01280653	0.32725475	0.99999994
Bad	0.56193348	0.35078684	0.33805745	0.0127294	0.40104541	0.99999994
Timm22	0.33595264	0.25027391	0.23755604	0.01271787	0.36078672	0.99999994
Hras	0.24543117	0.19842992	0.18574184	0.01268808	0.32466334	0.99999994
Prkra	0.31827757	0.24069343	0.22802721	0.01266621	0.355788	0.99999994
Polr3k	0.67942925	0.38947028	0.37681792	0.01265236	0.41157337	0.99999994
Nfe2l2	0.29667915	0.22864196	0.21600644	0.01263552	0.34850099	0.99999994
Abcf1	0.6893739	0.3920725	0.37945434	0.01261815	0.41241126	0.99999994
Nhp2	0.36022367	0.26280018	0.25020437	0.01259582	0.36877663	0.99999994
Alas1	0.22070503	0.18280924	0.17021595	0.01259329	0.31119518	0.99999994
Fyttd1	0.55240674	0.34708817	0.33452657	0.0125616	0.40131352	0.99999994

Tmod3	0.20619726	0.17337041	0.16081202	0.01255839	0.30159483	0.99999994
Gm2694	0.05937477	0.06422965	0.05167497	0.01255468	0.05291817	0.99999994
Gyg	0.40762429	0.28606762	0.273514	0.01255362	0.3799887	0.99999994
Ccdc174	0.34106594	0.25281441	0.24026226	0.01255215	0.3640133	0.99999994
Gsta3	0.06037702	0.0650286	0.05251282	0.01251578	0.05631751	0.99999994
Dmpk	0.09538076	0.09358063	0.08110193	0.0124787	0.15287601	0.99999994
mt-Atp6	3.97237306	0.24088259	0.22842917	0.01245342	0.35834393	0.99999994
Ypel5	0.30903405	0.23538321	0.22293399	0.01244922	0.35505492	0.99999994
Myl12b	0.79535746	0.4150679	0.40264615	0.01242175	0.41864914	0.99999994
Rnf6	0.36536178	0.26522207	0.25281815	0.01240391	0.37199348	0.99999994
Rpf2	0.38530806	0.27515954	0.26276261	0.01239693	0.3767447	0.99999994
Pamr1	0.12742568	0.11807229	0.10569326	0.01237903	0.21781104	0.99999994
AW551984	0.06683944	0.07023545	0.05788901	0.01234645	0.07785415	0.99999994
Dhrs4	0.76259409	0.40858143	0.39624622	0.01233522	0.41792151	0.99999994
Ppic	0.1643456	0.1447283	0.13240793	0.01232038	0.26783794	0.99999994
Elp4	0.33643173	0.25004244	0.23781053	0.01223191	0.36603499	0.99999994
Tpm3	0.88362701	0.42834659	0.41613786	0.01220873	0.42258473	0.99999994
Usp3	0.23855129	0.19369072	0.18148452	0.0122062	0.32718842	0.99999994
Adrm1	0.7327074	0.4019301	0.38978775	0.01214234	0.41786696	0.99999994
Jarid2	0.26195877	0.20791917	0.19577816	0.01214101	0.33988086	0.99999994
Hnrnpf	1.13004251	0.4420365	0.42993596	0.01210054	0.42569584	0.99999994
1500011B03	0.67453454	0.38759415	0.37549691	0.01209724	0.41509992	0.99999994
Actl6a	0.51570652	0.33247999	0.32039804	0.01208196	0.40090472	0.99999994
Cox7a2l	1.83347321	0.39003587	0.37799105	0.01204482	0.4160117	0.99999994
Bco1	0.10720327	0.10240726	0.09036354	0.01204372	0.18749526	0.99999994
Zfp329	0.29366287	0.22631708	0.21429376	0.01202333	0.35440057	0.99999994
Ddx3y	0.16846623	0.14725572	0.13529096	0.01196476	0.27804132	0.99999994
Ctnna1	0.42322561	0.29275916	0.28080171	0.01195746	0.38841613	0.99999994
Ccdc115	0.46872128	0.31295499	0.30102724	0.01192774	0.39598705	0.99999994
Stc2	0.06859716	0.07126117	0.05934346	0.01191771	0.09064897	0.99999994

Fars2	0.22481245	0.18474823	0.17283837	0.01190987	0.3232344	0.99999994
Cox6b2	0.1245721	0.11542191	0.10356061	0.0118613	0.22291506	0.99999994
Asb4	0.03968291	0.0468419	0.03498734	0.01185456	0.01205616	0.50170905
Apbb1	0.31471148	0.23792368	0.22607172	0.01185196	0.36355823	0.99999994
Bbx	0.34595697	0.25466664	0.24283017	0.01183647	0.37279629	0.99999994
Rbm4b	0.28335856	0.22019817	0.2083804	0.01181777	0.35290157	0.99999994
Vps37b	0.29484857	0.226783	0.21496799	0.01181501	0.35724043	0.99999994
Gnpda2	0.29792628	0.228524	0.21671218	0.01181182	0.35837623	0.99999994
Prox1os	0.08043497	0.08082793	0.06905299	0.01177494	0.12817834	0.99999994
1810037117R	1.21053318	0.44049891	0.42872496	0.01177395	0.42747681	0.99999994
Cks2	0.16427758	0.14412902	0.13236018	0.01176884	0.27697488	0.99999994
Ftsj1	0.18895506	0.16110288	0.14934345	0.01175943	0.30009506	0.99999994
Nfib	0.12904619	0.11864889	0.10689999	0.01174891	0.23221525	0.99999994
Gm4950	0.13011706	0.1194303	0.10769569	0.01173461	0.23413947	0.99999994
Lrrc58	0.41654725	0.28942118	0.27770428	0.0117169	0.3894146	0.99999994
Naa35	0.42513629	0.29332595	0.28168138	0.01164457	0.39159259	0.99999994
Map1lc3a	0.8239731	0.41919655	0.40756995	0.0116266	0.42470018	0.99999994
Ssbp4	0.46006691	0.30890801	0.29729395	0.01161406	0.39741774	0.99999994
Pnn	0.74662147	0.404453	0.39286242	0.01159058	0.42215568	0.99999994
Hdac6	0.26504153	0.2091694	0.19762072	0.01154868	0.34864238	0.99999994
Sema6a	0.09965927	0.09600655	0.08450892	0.01149763	0.18257038	0.99999994
Fosb	0.16904145	0.14713713	0.1356919	0.01144523	0.28724701	0.99999994
Ass1	0.1308782	0.11969894	0.10826037	0.01143857	0.24093534	0.99999994
Tdp2	0.25186926	0.20111648	0.18968369	0.01143279	0.3441371	0.99999994
Smarca4	0.59923643	0.36277608	0.35135879	0.0114173	0.41437839	0.99999994
Ccdc28b	0.49241898	0.32233642	0.31098253	0.01135389	0.40399427	0.99999994
Rsad2	0.05078684	0.05579447	0.04445037	0.01134409	0.04468256	0.99999994
Cxcl12	0.0392042	0.04584277	0.03457624	0.01126653	0.01504333	0.56557946
Psmd5	0.32051196	0.24049356	0.22924683	0.01124673	0.37200131	0.99999994
Rfc3	0.19144153	0.16224807	0.15101739	0.01123068	0.31029576	0.99999994

Eif5b	1.18467558	0.44055273	0.42934346	0.01120927	0.43101772	0.99999994
Ppp1cb	0.94537335	0.43371561	0.42251082	0.01120479	0.42994133	0.99999994
Gm15915	0.10140843	0.09704564	0.08587657	0.01116907	0.19332092	0.99999994
Msmo1	0.25552308	0.20306133	0.19190228	0.01115905	0.34935409	0.99999994
Stox1	0.09244246	0.0898988	0.07875136	0.01114744	0.17303918	0.99999994
Abtb1	0.18004942	0.15443477	0.14329292	0.01114185	0.30237906	0.99999994
Rsu1	0.23453336	0.19010962	0.17897565	0.01113396	0.33940487	0.99999994
Gm6133	0.15680278	0.13813964	0.12707988	0.01105976	0.28119255	0.99999994
Nkd1	0.0558419	0.05976206	0.04871279	0.01104927	0.06554374	0.99999994
Ube2d1	0.28916026	0.22261611	0.21172179	0.01089432	0.36598419	0.99999994
Acat2	0.18074263	0.15465489	0.143767	0.01088789	0.30709365	0.99999994
Habp2	0.07148015	0.07259014	0.06172188	0.01086827	0.12058215	0.99999994
Smarcad1	0.31069623	0.23468697	0.22385556	0.0108314	0.37369891	0.99999994
Atxn10	1.21211032	0.43947906	0.4286747	0.01080436	0.4333831	0.99999994
Tbpl1	0.35491287	0.25827293	0.24747878	0.01079415	0.38578308	0.99999994
Tcf15	0.03843992	0.04470519	0.03391936	0.01078583	0.01714614	0.60730275
Tmeff1	0.15627684	0.13743372	0.12670591	0.01072781	0.28652216	0.99999994
Coq7	0.33096079	0.24561922	0.23489283	0.01072639	0.38057808	0.99999994
Rorc	0.23109703	0.18750113	0.17681701	0.01068412	0.34376531	0.99999994
Ptger3	0.04185334	0.0475133	0.03684797	0.01066533	0.02701307	0.83130387
Gm10269	0.13196457	0.11971425	0.10906501	0.01064924	0.25786721	0.99999994
Mycbp2	0.4320489	0.29548423	0.28484172	0.0106425	0.4017962	0.99999994
Ube2r2	0.46993479	0.31218881	0.30154639	0.01064242	0.40713483	0.99999994
Rab3b	0.23381771	0.18916559	0.17852707	0.01063852	0.34581067	0.99999994
Rprm	0.07916721	0.07862454	0.06802025	0.01060429	0.14970037	0.99999994
Ywhah	1.00533621	0.43731395	0.42671386	0.01060009	0.43433344	0.99999994
Hypk	0.73266085	0.40035737	0.38977756	0.01057981	0.42831137	0.99999994
Etfb	1.00712322	0.43734506	0.42680366	0.0105414	0.4347074	0.99999994
Dusp23	0.18816295	0.15934921	0.14880878	0.01054043	0.31864782	0.99999994
Tspan15	0.28803367	0.22156945	0.21107538	0.01049406	0.37034681	0.99999994

Ppp5c	0.54319549	0.34154407	0.33105981	0.01048426	0.41652214	0.99999994
Klf6	0.2010431	0.1678813	0.15741708	0.01046422	0.32907162	0.99999994
Plin2	0.13061535	0.11852796	0.10806546	0.01046249	0.2596439	0.99999994
Snapc3	0.2631439	0.20691904	0.19648758	0.01043146	0.36190035	0.99999994
Hadha	0.46096085	0.30810643	0.29768195	0.01042447	0.40784271	0.99999994
Cacna1a	0.29879475	0.22760787	0.21720282	0.01040505	0.37491202	0.99999994
Mtf2	0.27080051	0.2114237	0.20103812	0.01038559	0.36547349	0.99999994
Donson	0.05253227	0.05630431	0.04592532	0.01037899	0.06624973	0.99999994
Cfap77	0.09554456	0.09159169	0.08123271	0.01035898	0.19798685	0.99999994
Chd6	0.30678837	0.23202626	0.22168503	0.01034123	0.37808746	0.99999994
Mboat4	0.0266269	0.03399834	0.02368105	0.01031729	0.00186568	0.12289594
Cdo1	0.10290912	0.09733429	0.08704263	0.01029167	0.21563266	0.99999994
Fa2h	0.07423994	0.07425577	0.06399032	0.01026545	0.14279946	0.99999994
Dut	0.47688398	0.31469935	0.3044995	0.01019985	0.41177996	0.99999994
Tax1bp1	0.83305507	0.41913654	0.40897437	0.01016218	0.4343158	0.99999994
Dynlt3	0.45517359	0.3052781	0.29516025	0.01011785	0.40975533	0.99999994
Ypel1	0.10036244	0.09517987	0.08506213	0.01011774	0.21425553	0.99999994
Echs1	0.43201827	0.29494023	0.2848278	0.01011243	0.40659023	0.99999994
Mdfi	0.08863474	0.08578764	0.07569207	0.01009558	0.1873229	0.99999994
Ccs	0.42770547	0.29295173	0.28286002	0.01009171	0.40614166	0.99999994
Med19	0.28936429	0.22193017	0.21183874	0.01009143	0.37558725	0.99999994
Lsm3	0.39735239	0.27869664	0.26861344	0.0100832	0.40134542	0.99999994
Cops2	0.36651835	0.26347895	0.25340356	0.01007538	0.39563634	0.99999994
Tnnc1	0.07767066	0.07686683	0.06679896	0.01006787	0.15787263	0.99999994
Igsf21	0.06671135	0.06784179	0.05778289	0.0100589	0.12327994	0.99999994
Iitm2c	0.74689998	0.40297023	0.39292322	0.01004701	0.43242546	0.99999994
Lrrn2	0.05789525	0.06045951	0.05043611	0.0100234	0.09294286	0.99999994
Hnrnpr	0.84884372	0.42136512	0.41140295	0.00996217	0.43597406	0.99999994
Oxa1l	0.2940889	0.2244766	0.21453616	0.00994044	0.37888159	0.99999994
Btf3	2.13483335	0.37836002	0.36844094	0.00991908	0.42888995	0.99999994

Kdelr2	0.62849804	0.37109768	0.3612127	0.00988498	0.42772916	0.99999994
Tgm7	0.03881031	0.04410908	0.03423779	0.00987129	0.02748381	0.83977187
Ccar1	0.45104297	0.30320374	0.29334544	0.0098583	0.41149667	0.99999994
Taf13	0.2408507	0.19269998	0.18291261	0.00978737	0.36085606	0.99999994
Rnd3	0.07651719	0.07562148	0.06585604	0.00976544	0.16181245	0.99999994
Igfbp5	0.06403904	0.06527889	0.05556488	0.00971402	0.12227601	0.99999994
Lsm14a	0.40201776	0.2805566	0.27084918	0.00970742	0.40572009	0.99999994
Glod5	0.03588382	0.04140811	0.03171762	0.00969049	0.02099209	0.69426319
Pole3	0.16270024	0.14093311	0.13125138	0.00968173	0.31171154	0.99999994
Dpysl5	0.0637265	0.06498547	0.05530496	0.00968051	0.12198511	0.99999994
Cryl1	0.12619401	0.11444221	0.10477397	0.00966824	0.26953179	0.99999994
Pet100	0.47127726	0.31174777	0.30211943	0.00962834	0.41600143	0.99999994
Zrsr2	0.43464073	0.29564034	0.28601777	0.00962257	0.41140139	0.99999994
Adam23	0.04756066	0.0513122	0.04171523	0.00959698	0.06284051	0.99999994
Arl2	0.58159704	0.35475339	0.34517211	0.00958128	0.42670588	0.99999994
Ctbp2	0.1479298	0.13024856	0.12072807	0.00952049	0.29982168	0.99999994
Fkbp4	1.29360062	0.43480332	0.42531342	0.0094899	0.44096565	0.99999994
Plk5	0.05169957	0.05468142	0.04522208	0.00945933	0.08190911	0.99999994
Calcoco1	0.13615028	0.12160511	0.11215207	0.00945304	0.28738194	0.99999994
Scin	0.04733676	0.0509664	0.04152497	0.00944143	0.06508406	0.99999994
Ddx42	0.37419907	0.26669409	0.25726411	0.00942998	0.40362014	0.99999994
Tmie	0.08131813	0.07919507	0.06977143	0.00942364	0.18431635	0.99999994
Arc	0.11774156	0.10783097	0.09841546	0.0094155	0.26212096	0.99999994
Capza1	0.21223851	0.17413861	0.16475462	0.00938398	0.35229625	0.99999994
Pdzk1ip1	0.36471686	0.26187396	0.25249126	0.0093827	0.40231729	0.99999994
Ndufa12	1.37184942	0.42991914	0.42053674	0.0093824	0.44097134	0.99999994
Rad23a	0.29572503	0.22484518	0.21546556	0.00937961	0.38599856	0.99999994
Odc1	0.28471975	0.21852491	0.20916721	0.0093577	0.38293114	0.99999994
Gamt	0.12271325	0.11147908	0.10216607	0.00931301	0.27200361	0.99999994
Ces1d	0.03972872	0.0443396	0.03502666	0.00931294	0.03838008	0.99999994

Rpa3	0.52687702	0.3340977	0.32478829	0.00930941	0.42434461	0.99999994
Puf60	0.87052132	0.42368148	0.41446552	0.00921596	0.44116771	0.99999994
Bbs4	0.15562894	0.1354409	0.12624478	0.00919612	0.31388335	0.99999994
Erich1	0.20660179	0.170257	0.16107729	0.00917971	0.35221678	0.99999994
Ctsa	0.41490604	0.28611162	0.276938	0.00917363	0.41274353	0.99999994
Cdc14b	0.23169293	0.18634862	0.17719219	0.00915643	0.36543515	0.99999994
Cat	0.12982486	0.11663278	0.10747871	0.00915407	0.28538125	0.99999994
Pnrc2	0.32505816	0.24083029	0.23171499	0.00911531	0.39671827	0.99999994
Terf1	0.17102081	0.14617835	0.13706871	0.00910963	0.32910572	0.99999994
Romo1	1.45589765	0.4225675	0.41347262	0.00909489	0.44179667	0.99999994
Mbip	0.15893551	0.13766698	0.12859312	0.00907386	0.31928846	0.99999994
Zfp292	0.4766411	0.31346107	0.30439683	0.00906424	0.42143998	0.99999994
Cnppd1	0.17558549	0.1492894	0.14022719	0.00906221	0.33353663	0.99999994
Eif4e	0.86440447	0.42270317	0.4136425	0.00906067	0.44203775	0.99999994
Tspan1	0.05416297	0.05635897	0.04730025	0.00905872	0.10119108	0.99999994
Armcx3	0.47984195	0.31479129	0.30574664	0.00904465	0.42194914	0.99999994
Snn	0.11087479	0.10222468	0.09318459	0.00904009	0.25922012	0.99999994
Serpina1a	0.03212907	0.03750944	0.02846981	0.00903964	0.01727883	0.60803923
Sult1d1	0.05735488	0.05898287	0.04998304	0.00899984	0.11535555	0.99999994
Ss18	0.22425394	0.18146384	0.17248285	0.008981	0.36444991	0.99999994
Dcun1d5	0.59872628	0.36010126	0.35118249	0.00891876	0.4328797	0.99999994
Samd14	0.19032097	0.15916877	0.15026383	0.00890494	0.34661721	0.99999994
Mapre3	0.54296106	0.33985901	0.33097089	0.00888813	0.42906522	0.99999994
Surf4	0.71112633	0.3937347	0.38487489	0.00885981	0.4391088	0.99999994
Phf23	0.38945217	0.27364119	0.26478889	0.0088523	0.4119498	0.99999994
Gt(ROSA)26 ⁺	0.25081567	0.19788142	0.18904137	0.00884006	0.37779834	0.99999994
Hmces	0.28067228	0.21565868	0.20682212	0.00883657	0.38805354	0.99999994
Serpina1c	0.02506458	0.03113022	0.02231487	0.00881535	0.00427487	0.2271524
Rrm1	0.10570451	0.09801175	0.0892071	0.00880465	0.2555982	0.99999994
Malat1	5.36172884	0.40082057	0.39203013	0.00879044	0.44067633	0.99999994

Dctn6	0.37696916	0.26741847	0.25864469	0.00877378	0.41067929	0.99999994
Bloc1s2	0.48608328	0.31711994	0.30835887	0.00876107	0.42499937	0.99999994
Nanos1	0.09113951	0.08645814	0.07770619	0.00875195	0.22671849	0.99999994
Fmo1	0.15997508	0.13806893	0.12932885	0.00874008	0.32641344	0.99999994
6330403K07I	0.08311518	0.07995554	0.07123078	0.00872476	0.20744774	0.99999994
Chchd5	0.29419609	0.22331114	0.21459712	0.00871402	0.39346822	0.99999994
Ift20	0.83309599	0.41768508	0.40898082	0.00870426	0.44367193	0.99999994
Fgfr4	0.0848867	0.08136183	0.07266609	0.00869574	0.21285706	0.99999994
Cdc42se1	0.38916115	0.27332164	0.26464703	0.00867461	0.41364356	0.99999994
Psme2b	0.08260766	0.07948769	0.07081898	0.00866871	0.20759843	0.99999994
Pbld2	0.08943625	0.08498223	0.07633728	0.00864494	0.22548149	0.99999994
Dennd2a	0.12322018	0.11117709	0.10254679	0.0086303	0.28767267	0.99999994
Errfi1	0.2040623	0.16802676	0.15940916	0.0086176	0.35948327	0.99999994
Exosc8	0.18530929	0.15545147	0.14687695	0.00857452	0.34878932	0.99999994
Psmc9	0.41857606	0.28720388	0.27864877	0.00855511	0.4190344	0.99999994
Ap1m2	0.3616458	0.25947153	0.25093	0.00854154	0.41037545	0.99999994
Nop10	0.80638563	0.41318346	0.40464746	0.008536	0.44416596	0.99999994
Ak6	0.30763896	0.23069366	0.22215862	0.00853504	0.39908024	0.99999994
Adamts1	0.05421902	0.05587743	0.04734746	0.00852997	0.11522727	0.99999994
Calm3	1.24281174	0.43613676	0.42761202	0.00852474	0.44721567	0.99999994
Apool	0.2468973	0.19516206	0.18664306	0.008519	0.38063324	0.99999994
Srl	0.05533327	0.05679528	0.04828519	0.00851009	0.1203661	0.99999994
Ptpn1	0.33037414	0.24308043	0.23457846	0.00850198	0.40468045	0.99999994
Bdnf	0.04054682	0.04422272	0.03572858	0.00849414	0.05676904	0.99999994
Rbmxl1	0.39648822	0.27668135	0.26819749	0.00848386	0.41661542	0.99999994
Ccnjl	0.06795955	0.06729491	0.05881625	0.00847866	0.16864145	0.99999994
Acvr1c	0.2056074	0.16886461	0.16042491	0.0084397	0.3631016	0.99999994
Sim1	0.08387737	0.08025473	0.07184872	0.00840602	0.21805832	0.99999994
Baz1a	0.12844272	0.1148554	0.10645099	0.00840441	0.29960869	0.99999994
Ctps2	0.27026354	0.20910838	0.20072088	0.0083875	0.39044921	0.99999994

Trib1	0.1714653	0.14574593	0.13737729	0.00836864	0.34255994	0.99999994
Ccdc50	0.28676591	0.21870611	0.21034659	0.00835952	0.39568401	0.99999994
Gppbp1	0.53115924	0.33478122	0.32645053	0.00833069	0.43255868	0.99999994
Cdk9	0.22064372	0.17849534	0.17017667	0.00831867	0.37244686	0.99999994
Rsl24d1	0.2381433	0.18951206	0.18123058	0.00828148	0.38049998	0.99999994
Grina	0.45615648	0.30387125	0.29559017	0.00828109	0.4260339	0.99999994
Kin	0.34471595	0.25045252	0.24218065	0.00827186	0.41007464	0.99999994
Gm10250	0.14104469	0.1239555	0.11573538	0.00822011	0.31818923	0.99999994
B2m	0.19022452	0.15836176	0.15019891	0.00816285	0.35876844	0.99999994
Megf6	0.04605391	0.04858066	0.04043382	0.00814685	0.08993384	0.99999994
Pigx	0.37287094	0.26473391	0.25659991	0.008134	0.41644331	0.99999994
Zc3h13	0.3349788	0.24513969	0.23703814	0.00810155	0.4100164	0.99999994
Tgfbr1	0.27299617	0.21042599	0.20233245	0.00809354	0.39501856	0.99999994
Stt3a	0.65742298	0.37847355	0.37040627	0.00806728	0.44236628	0.99999994
Dock11	0.06266528	0.06247999	0.05442164	0.00805835	0.16215889	0.99999994
Rrp1	0.9613308	0.43181028	0.42375446	0.00805582	0.44965175	0.99999994
Vdr	0.18721991	0.15621938	0.14817135	0.00804802	0.35884628	0.99999994
Anxa2	0.0781263	0.07521735	0.06717105	0.0080463	0.21262291	0.99999994
Sh3bp1	0.09849053	0.09162587	0.08358009	0.00804577	0.2608363	0.99999994
Fmr1	0.22079372	0.1783141	0.17027277	0.00804133	0.37662605	0.99999994
Serbp1	1.63004252	0.40374221	0.39571025	0.00803196	0.44626329	0.99999994
Brd7	0.27302989	0.21036766	0.2023523	0.00801537	0.39601916	0.99999994
Krtcap3	0.31329172	0.23330325	0.22528975	0.00801349	0.40641965	0.99999994
Cdc42ep3	0.06501973	0.0643876	0.05637974	0.00800786	0.17221931	0.99999994
Spp2	0.01936576	0.02526557	0.01730722	0.00795834	0.00110381	0.07717468
Mcf2	0.50156632	0.32267751	0.31472403	0.00795348	0.43320717	0.99999994
Zcchc3	0.2158067	0.17500062	0.1670653	0.00793532	0.37593832	0.99999994
Arl6ip4	0.37548392	0.26582874	0.25790534	0.0079234	0.41898241	0.99999994
Kcnmb2	0.27707928	0.21264671	0.20472744	0.00791927	0.39840361	0.99999994
St8sia2	0.02623324	0.03123464	0.02333708	0.00789756	0.01214234	0.50170905

Lypd1	0.02268472	0.0281249	0.0202283	0.0078966	0.00468201	0.24311392
Fcf1	0.4055462	0.28040211	0.27252912	0.00787298	0.42375644	0.99999994
Strn3	0.3747409	0.26538866	0.25753468	0.00785398	0.41956851	0.99999994
Pou3f1	0.02833286	0.033023	0.02516957	0.00785343	0.01890432	0.64807274
Rbm17	0.48639245	0.31633658	0.30848751	0.00784907	0.43275576	0.99999994
Dync1li1	0.35088921	0.25323612	0.24539845	0.00783768	0.4158216	0.99999994
Mcm6	0.0914301	0.08577527	0.07793944	0.00783584	0.25167965	0.99999994
Gpatch11	0.28275583	0.21586601	0.20803134	0.00783467	0.40102874	0.99999994
Tmem97	0.20359265	0.16693426	0.15909991	0.00783435	0.37154266	0.99999994
Crlf1	0.04890622	0.0506832	0.0428574	0.00782581	0.11209573	0.99999994
Msx1	0.03038469	0.03476047	0.0269554	0.00780507	0.02696614	0.83130387
Tiparp	0.10820623	0.09893596	0.09113585	0.00780012	0.28443958	0.99999994
Hnrnpc	1.34478493	0.43017432	0.4223846	0.00778971	0.45114935	0.99999994
Med6	0.29345359	0.22196237	0.21417462	0.00778775	0.404376	0.99999994
Rtkn	0.10731495	0.09820993	0.0904496	0.00776033	0.28396675	0.99999994
Slc25a11	0.80029203	0.41131514	0.40355739	0.00775775	0.44909112	0.99999994
Nelfcd	0.30250199	0.22703882	0.2192887	0.00775011	0.40700759	0.99999994
Tlcd2	0.10774594	0.09849588	0.09078157	0.00771431	0.28582108	0.99999994
Phyhipl	0.19353886	0.16012131	0.1524238	0.00769751	0.36837858	0.99999994
Ggh	0.16200164	0.13845666	0.1307594	0.00769725	0.34759129	0.99999994
Cd151	0.31623826	0.23460612	0.2269103	0.00769582	0.41069602	0.99999994
Hdac1	0.59902437	0.35896967	0.35128552	0.00768414	0.44211719	0.99999994
Cd1d1	0.07260998	0.07033544	0.06265153	0.00768391	0.20714424	0.99999994
Rabl2	0.12183132	0.1091757	0.10150295	0.00767275	0.30742481	0.99999994
Proser1	0.18790973	0.15629015	0.14863772	0.00765244	0.36591406	0.99999994
Slc38a11	0.03940994	0.04240187	0.03475296	0.00764891	0.07145719	0.99999994
Zfp664	0.38499878	0.27022624	0.26261085	0.00761539	0.4234692	0.99999994
Elovl7	0.06913515	0.06739357	0.05978798	0.0076056	0.19856671	0.99999994
Spc24	0.09864189	0.09130121	0.08370047	0.00760075	0.27277008	0.99999994
Dact2	0.16829464	0.14277044	0.13517128	0.00759916	0.3541233	0.99999994

Blnk	0.07188605	0.06962766	0.06205602	0.00757164	0.20834937	0.99999994
Elf3	0.2109752	0.17149425	0.16393337	0.00756089	0.37942072	0.99999994
Gse1	0.39741178	0.27620047	0.268642	0.00755847	0.42571965	0.99999994
Pnck	0.11090348	0.10074718	0.09320657	0.00754061	0.29511125	0.99999994
Adgrb3	0.05300088	0.0538582	0.04632073	0.00753747	0.13937194	0.99999994
Magohb	0.26042261	0.20239272	0.19485662	0.0075361	0.39842133	0.99999994
Bzw2	0.42544193	0.28934893	0.28182185	0.00752708	0.42944698	0.99999994
Poc1a	0.04982829	0.05115518	0.04363893	0.00751625	0.12579966	0.99999994
Fstl1	0.07674671	0.07353338	0.06604378	0.0074896	0.22516811	0.99999994
Dll4	0.08124749	0.07719502	0.06971399	0.00748102	0.23752229	0.99999994
Ddx5	2.14350288	0.3760292	0.36855292	0.00747628	0.44629506	0.99999994
Ttyh1	0.07521216	0.07221237	0.06478752	0.00742485	0.2227795	0.99999994
Frat2	0.05365727	0.05428693	0.04687419	0.00741275	0.14625178	0.99999994
Cdv3	0.25223855	0.19730108	0.18990857	0.00739251	0.39777517	0.99999994
Parl	0.40903995	0.28156659	0.27418277	0.00738383	0.42886766	0.99999994
Phldb2	0.27882786	0.21308296	0.20574834	0.00733462	0.40621621	0.99999994
Gm4319	0.03612575	0.03925733	0.03192632	0.00733101	0.06320035	0.99999994
Gprc5b	0.10983486	0.09971442	0.09238726	0.00732716	0.29878069	0.99999994
Drg1	0.65634838	0.37739421	0.37007394	0.00732027	0.44762403	0.99999994
Mlf1	0.03095434	0.03476621	0.02745033	0.00731587	0.03803109	0.99999994
Lipg	0.03349537	0.03695675	0.02965351	0.00730324	0.05056835	0.99999994
Plekhf2	0.09703159	0.08970386	0.0824187	0.00728516	0.27814215	0.99999994
Sel1l	0.39566656	0.27508378	0.26780147	0.00728231	0.42818146	0.99999994
Vps36	0.38150817	0.26816998	0.2608929	0.00727708	0.42635345	0.99999994
Esf1	0.38444264	0.26961148	0.26233777	0.0072737	0.42678813	0.99999994
Cd2	0.042749	0.04488786	0.03761422	0.00727364	0.09901723	0.99999994
Chordc1	0.3626094	0.25869341	0.25142069	0.00727272	0.42365764	0.99999994
Gm36266	0.01176994	0.01783148	0.01057275	0.00725873	2.44E-06	0.00028806
Tmem119	0.02703527	0.03129082	0.02403767	0.00725315	0.02229537	0.72237903
Dnajc9	0.29141701	0.22026494	0.21301319	0.00725175	0.41036473	0.99999994

Fam98c	0.17779002	0.14896754	0.14174406	0.00722348	0.36722289	0.99999994
Edn3	0.03045787	0.03421578	0.027019	0.00719678	0.03811541	0.99999994
Lima1	0.14272988	0.12415316	0.1169626	0.00719056	0.34119068	0.99999994
Tmem98	0.16891714	0.14278463	0.13560529	0.00717934	0.36226652	0.99999994
Snrnp48	0.27671282	0.21169141	0.20451312	0.00717829	0.40763447	0.99999994
Leprot	0.3009352	0.22558033	0.2184087	0.00717163	0.41349368	0.99999994
Abcg2	0.05115803	0.05191705	0.04476432	0.00715273	0.14375592	0.99999994
Fermt2	0.23995222	0.18950215	0.18235521	0.00714693	0.39709311	0.99999994
Elavl3	0.04302154	0.04498375	0.0378472	0.00713655	0.10471462	0.99999994
Sf3b2	1.11628875	0.43704181	0.42990866	0.00713316	0.45602863	0.99999994
Spop	0.53979419	0.33689859	0.32976639	0.0071322	0.44276446	0.99999994
Wbp4	0.58279117	0.35272322	0.34559662	0.00712659	0.445412	0.99999994
Usp14	0.34799963	0.25095268	0.24389624	0.00705644	0.42364292	0.99999994
Tpi1	1.14705382	0.4368797	0.42982798	0.00705171	0.45652055	0.99999994
Chst1	0.02936908	0.03312272	0.02607207	0.00705065	0.03592446	0.99942728
Cfi	0.04472492	0.04634542	0.03930146	0.00704396	0.11643229	0.99999994
Cldn12	0.09223354	0.08562131	0.07858389	0.00703742	0.27555541	0.99999994
Kcnb2	0.14302003	0.12420562	0.11717356	0.00703206	0.34477161	0.99999994
Drap1	0.93514962	0.42862813	0.42161237	0.00701576	0.45590177	0.99999994
Commd10	0.25402618	0.19799969	0.19099506	0.00700463	0.40356974	0.99999994
Rpl3	2.72244931	0.36804165	0.36103822	0.00700343	0.44863127	0.99999994
Nsrp1	0.38435878	0.26929024	0.26229658	0.00699366	0.42956584	0.99999994
Maff	0.11819037	0.10574748	0.09875529	0.00699219	0.31871622	0.99999994
Abhd10	0.18245426	0.15190826	0.14493531	0.00697294	0.37439234	0.99999994
Prlr	0.07602142	0.07242265	0.06545033	0.00697232	0.2391339	0.99999994
Ghr	0.33349216	0.24321364	0.23624598	0.00696767	0.42218073	0.99999994
Rock1	0.62066644	0.36558963	0.35862606	0.00696357	0.44858035	0.99999994
Iffo2	0.05537969	0.05526998	0.04832422	0.00694575	0.16935089	0.99999994
Shf	0.07683446	0.07305201	0.06611554	0.00693648	0.24247969	0.99999994
Proser2	0.08285243	0.07793545	0.07101761	0.00691784	0.2583641	0.99999994

Arl2bp	0.38319868	0.26862717	0.2617261	0.00690107	0.43033875	0.99999994
Afm	0.03693115	0.03950729	0.03262066	0.00688663	0.07997478	0.99999994
Rbm7	0.37746767	0.26577659	0.2588924	0.00688419	0.42975469	0.99999994
Ubald1	0.32302854	0.23748561	0.2306153	0.00687031	0.42140474	0.99999994
Rnf149	0.18746774	0.15520888	0.14833896	0.00686992	0.37893793	0.99999994
Sds	0.01549674	0.02070901	0.01388555	0.00682347	0.00053587	0.04107652
Flrt2	0.02978482	0.033253	0.02643381	0.00681919	0.04297528	0.99999994
Prmt6	0.13428978	0.11758369	0.11078249	0.00680121	0.34139828	0.99999994
Tro	0.05035775	0.05088428	0.04408726	0.00679702	0.15239319	0.99999994
Sh3bp5	0.05436304	0.05423756	0.04746875	0.00676882	0.1712684	0.99999994
Cela3b	0.28070435	0.21360441	0.20684076	0.00676364	0.41384652	0.99999994
Atg101	0.36384299	0.25880984	0.25204777	0.00676207	0.42913369	0.99999994
B9d2	0.30265778	0.22613461	0.21937608	0.00675853	0.41875916	0.99999994
Lman2l	0.28141898	0.21400555	0.20725594	0.00674961	0.41419206	0.99999994
Xlr3b	0.05207231	0.05228382	0.04553697	0.00674686	0.16201248	0.99999994
Thoc3	0.54677168	0.3391467	0.33241217	0.00673453	0.44636329	0.99999994
Smn1	0.32071947	0.23609431	0.22935987	0.00673444	0.42252295	0.99999994
Myl7	0.02314252	0.02735803	0.0206302	0.00672783	0.01497539	0.56435639
Pdcd7	0.0805858	0.07589229	0.06917575	0.00671654	0.25904528	0.99999994
Ccnb2	0.02306935	0.02727711	0.02056598	0.00671113	0.01492352	0.56373427
Usf2	0.50844847	0.32420537	0.31750159	0.00670378	0.44411529	0.99999994
Luc7l	0.46390262	0.30564868	0.29895492	0.00669376	0.44076128	0.99999994
Fat1	0.18520979	0.15346662	0.14680943	0.00665719	0.38138786	0.99999994
Ankrd2	0.03268123	0.03559406	0.02894843	0.00664563	0.06324553	0.99999994
Tmem114	0.01680543	0.0216904	0.01504492	0.00664548	0.00164013	0.11031784
Tmem200a	0.03682128	0.03916704	0.03252598	0.00664106	0.08706124	0.99999994
Lfng	0.04887828	0.04947046	0.0428337	0.00663676	0.15118767	0.99999994
Atp6v1d	0.6819892	0.3841091	0.37750361	0.00660548	0.45363938	0.99999994
Dner	0.0675814	0.06509812	0.05850336	0.00659476	0.22652658	0.99999994
Pmvk	0.39552485	0.27431869	0.26773312	0.00658557	0.43497187	0.99999994

Pgm2l1	0.06837362	0.06572444	0.05915868	0.00656576	0.23002648	0.99999994
Cryz1l	0.44838177	0.29873406	0.29216963	0.00656444	0.44055812	0.99999994
Bhlhb9	0.3393238	0.2458955	0.23934269	0.00655282	0.42769708	0.99999994
Spcs1	1.84771521	0.38346702	0.37692304	0.00654399	0.45399865	0.99999994
Lbh	0.13536111	0.11811075	0.11157164	0.00653911	0.34822279	0.99999994
Nab2	0.02925748	0.03250928	0.02597493	0.00653435	0.04701634	0.99999994
Hspb11	0.38069736	0.2669735	0.26049249	0.00648101	0.43423227	0.99999994
Fbln1	0.05780423	0.05682549	0.05035982	0.00646567	0.19638469	0.99999994
Chac2	0.13101207	0.11481954	0.1083596	0.00645994	0.34574857	0.99999994
Onecut2	0.06413836	0.06210476	0.05564745	0.00645731	0.21993828	0.99999994
Wrap73	0.21502116	0.1729845	0.16655774	0.00642677	0.39865077	0.99999994
F2r	0.0687167	0.06586772	0.05944226	0.00642546	0.23590899	0.99999994
Wac	0.39607586	0.27441527	0.26799881	0.00641646	0.43668972	0.99999994
Mplkip	0.33811177	0.24510823	0.23870144	0.00640679	0.42910314	0.99999994
Gm14964	0.06362839	0.06162777	0.05522335	0.00640442	0.22006947	0.99999994
Grin3a	0.03119839	0.03406385	0.02766226	0.00640159	0.06173001	0.99999994
Dlgap4	0.31468616	0.23243117	0.2260578	0.00637337	0.42556917	0.99999994
Sugt1	0.60323388	0.35910485	0.35273519	0.00636965	0.45216245	0.99999994
Mnx1	0.07771095	0.07319698	0.06683187	0.00636511	0.26305492	0.99999994
Prdx4	0.38756521	0.27018039	0.2638679	0.00631248	0.43674016	0.99999994
Emid1	0.14660544	0.12607831	0.11977219	0.00630612	0.3629953	0.99999994
Hint2	0.57944979	0.35070581	0.3444067	0.00629912	0.45155121	0.99999994
Ube2e2	0.15061538	0.12894877	0.12266018	0.0062886	0.36645353	0.99999994
Atad2b	0.12809964	0.11248232	0.10619552	0.0062868	0.34676902	0.99999994
Mrpl37	0.23961938	0.18843203	0.18214853	0.0062835	0.40919289	0.99999994
Arhgef2	0.17576811	0.14661468	0.14035307	0.00626161	0.38324775	0.99999994
Rpl15	1.53433832	0.41172123	0.40546959	0.00625164	0.45912849	0.99999994
Zfp36l1	0.05756799	0.0564093	0.05016176	0.00624754	0.20354215	0.99999994
Naf1	0.08054512	0.07536658	0.06914264	0.00622393	0.27452716	0.99999994
Mast4	0.31798038	0.23408787	0.22786467	0.0062232	0.42787323	0.99999994

Bod1	0.11299155	0.10102063	0.09480339	0.00621725	0.33122731	0.99999994
Phf14	0.30796626	0.22855681	0.22234068	0.00621614	0.42618453	0.99999994
Glmn	0.13148238	0.11489716	0.10870804	0.00618912	0.3523553	0.99999994
Zfp36	0.16012628	0.13562434	0.12943575	0.00618859	0.37514597	0.99999994
Ada	0.03072503	0.03343706	0.02725115	0.00618591	0.06539829	0.99999994
Hspa2	0.15477585	0.13182091	0.12563689	0.00618403	0.37159367	0.99999994
Idnk	0.37051138	0.26159204	0.25541644	0.0061756	0.43606986	0.99999994
Ripply3	0.1454261	0.1250878	0.11891916	0.00616864	0.36494114	0.99999994
Homer3	0.07984312	0.07473652	0.06857107	0.00616545	0.27475488	0.99999994
Rbbp7	0.74873914	0.3994792	0.39332376	0.00615544	0.45851694	0.99999994
Srrm2	1.32983184	0.42945562	0.4233106	0.00614502	0.46151113	0.99999994
Gm5900	0.46182436	0.30419966	0.29805623	0.00614343	0.44543691	0.99999994
Efcc1	0.04827291	0.04844223	0.04232006	0.00612216	0.16779099	0.99999994
Nme1	1.77307338	0.38849282	0.38239923	0.00609359	0.45776338	0.99999994
Ubn1	0.20575748	0.16661515	0.16052344	0.00609171	0.40028769	0.99999994
Khdrbs1	0.56491404	0.34523913	0.33915087	0.00608826	0.452443	0.99999994
Desi2	0.29265363	0.21979681	0.21371886	0.00607795	0.42492882	0.99999994
Stxbp2	0.37066893	0.26156207	0.2554956	0.00606648	0.43720939	0.99999994
Ifi204	0.01870144	0.02277467	0.01672098	0.00605369	0.0079789	0.36342269
Dyrk1b	0.09137499	0.08394375	0.07789521	0.00604854	0.30262543	0.99999994
Pdgfa	0.17913268	0.14870745	0.14266515	0.0060423	0.38900363	0.99999994
Sbds	0.36681959	0.2595979	0.25355586	0.00604203	0.43698582	0.99999994
Dll1	0.05478497	0.05386413	0.04782393	0.0060402	0.20025718	0.99999994
Echdc2	0.24198228	0.18965303	0.18361348	0.00603955	0.41334607	0.99999994
Dexi	0.05845739	0.05691607	0.05090709	0.00600898	0.21602048	0.99999994
Mapk15	0.36784569	0.26005943	0.25407409	0.00598534	0.43769857	0.99999994
Ctsc	0.05207548	0.05152114	0.04553964	0.0059815	0.19097946	0.99999994
Caprin1	0.52907732	0.33162047	0.3256438	0.00597667	0.45138347	0.99999994
Mrpl45	0.18708249	0.154028	0.14807839	0.00594961	0.39456344	0.99999994
Timm50	0.31692734	0.23323583	0.22728811	0.00594772	0.43086006	0.99999994

Plppr3	0.05382417	0.05293574	0.04701483	0.00592091	0.2009361	0.99999994
Clk1	0.52398722	0.32958086	0.32366011	0.00592074	0.45154244	0.99999994
Xab2	0.17663133	0.1468659	0.14094757	0.00591833	0.38993136	0.99999994
Safb	0.4504383	0.29899311	0.29307871	0.00591441	0.44657198	0.99999994
Egfl7	0.19296487	0.15795245	0.15203939	0.00591306	0.39786518	0.99999994
Avp	0.01722031	0.02132042	0.01541204	0.00590839	0.00535851	0.26777407
Akr1c19	0.13846268	0.11975276	0.11384857	0.0059042	0.36497226	0.99999994
1600014C10I	0.10224713	0.09242846	0.0865286	0.00589986	0.32496606	0.99999994
Pcdh9	0.02140961	0.02499746	0.01910759	0.00588987	0.02009431	0.67721644
Ndc1	0.05550923	0.05431404	0.04843315	0.00588089	0.20947808	0.99999994
Spry2	0.03260174	0.03474846	0.02887955	0.00586891	0.08807448	0.99999994
Msrb2	0.08930641	0.08209034	0.0762328	0.00585754	0.3045152	0.99999994
Bex4	0.55429626	0.34105522	0.33523116	0.00582406	0.45396788	0.99999994
D030056L22I	0.20410854	0.16525873	0.1594396	0.00581914	0.40402592	0.99999994
Zfp706	1.02163989	0.4333113	0.42749864	0.00581266	0.46394261	0.99999994
Ift74	0.27399404	0.20871916	0.2029192	0.00579996	0.4245542	0.99999994
Dusp16	0.05701821	0.05548423	0.0497006	0.00578363	0.21928894	0.99999994
Necap2	0.1750292	0.14562684	0.13984351	0.00578333	0.39155114	0.99999994
1700049E15I	0.03537229	0.03705717	0.0312761	0.00578107	0.10928111	0.99999994
Lmnb1	0.15612227	0.13236378	0.12659595	0.00576783	0.38084204	0.99999994
Arid5b	0.11417664	0.10146452	0.09570726	0.00575726	0.34442644	0.99999994
Paip1	0.21980439	0.1753923	0.1696385	0.0057538	0.41068994	0.99999994
Scn3a	0.03820248	0.03944687	0.03371515	0.00573172	0.12889943	0.99999994
Dynlt1f	0.52003464	0.32782701	0.32210858	0.00571843	0.45296604	0.99999994
Tbc1d9	0.06100136	0.05873623	0.0530342	0.00570203	0.23709893	0.99999994
Ush1c	0.21816222	0.17428148	0.16858347	0.00569801	0.41099725	0.99999994
Acadl	0.22630776	0.17948174	0.17378864	0.0056931	0.41369355	0.99999994
Kcne1l	0.02927669	0.03165513	0.02599165	0.00566348	0.07347429	0.99999994
Tmem192	0.18700868	0.15366613	0.14802844	0.00563768	0.3999377	0.99999994
Zfp768	0.13170788	0.1145038	0.10887502	0.00562879	0.36537405	0.99999994

Mthfd2l	0.19810311	0.16109534	0.15546798	0.00562736	0.40480262	0.99999994
Spats2	0.08760411	0.08048171	0.07486144	0.00562027	0.30863242	0.99999994
Ece2	0.13439176	0.11647721	0.11085767	0.00561954	0.36789992	0.99999994
Nefl	0.02027246	0.02371559	0.01810651	0.00560907	0.01960291	0.66771373
Cenpa	0.04567663	0.04571499	0.04011256	0.00560243	0.1762686	0.99999994
Calml4	0.09467748	0.08612905	0.08054013	0.00558891	0.32207511	0.99999994
Trp53cor1	0.03327715	0.03504573	0.0294646	0.00558113	0.10368405	0.99999994
Vps72	0.56394439	0.34437483	0.33879589	0.00557894	0.45635931	0.99999994
Maf1	0.46985046	0.30707464	0.30151035	0.00556428	0.45111647	0.99999994
Clk3	0.29276243	0.21934489	0.21378088	0.00556401	0.43123017	0.99999994
Gpx7	0.09031272	0.08259542	0.07704207	0.00555335	0.31568339	0.99999994
Sac3d1	0.32618523	0.23787711	0.23232414	0.00555297	0.43679538	0.99999994
Cnot7	0.77222091	0.40373974	0.398195	0.00554474	0.46307587	0.99999994
Cnksr3	0.13919708	0.11992865	0.11438603	0.00554262	0.37352328	0.99999994
Abca1	0.09869611	0.08928097	0.08374357	0.0055374	0.32991771	0.99999994
Nt5c	0.4128752	0.28152386	0.27598704	0.00553682	0.44688351	0.99999994
Gemin6	0.23004009	0.18168281	0.17615068	0.00553214	0.41720554	0.99999994
Zbed3	0.11640735	0.10292141	0.09740378	0.00551762	0.3530638	0.99999994
Tgif1	0.05225198	0.05120422	0.04568869	0.00551553	0.21082716	0.99999994
Efna3	0.04269035	0.04307912	0.03756407	0.00551505	0.1642184	0.99999994
Tgif2	0.05128996	0.05037586	0.04487587	0.00549999	0.2073062	0.99999994
Kcnh2	0.2125177	0.17040843	0.16493589	0.00547253	0.41260216	0.99999994
Mllt11	0.33338465	0.24165787	0.23618862	0.00546925	0.43875108	0.99999994
Stard5	0.17709989	0.14671954	0.14126983	0.0054497	0.39867456	0.99999994
Lrrc8a	0.11163034	0.09919694	0.09376304	0.0054339	0.34983736	0.99999994
Anpep	0.05968692	0.05736434	0.05193603	0.00542831	0.24330318	0.99999994
Gm10263	0.09077038	0.0828352	0.07740977	0.00542543	0.3204199	0.99999994
Rpgr	0.10387304	0.09321375	0.0877901	0.00542365	0.34045273	0.99999994
Pcgf6	0.16137296	0.13573728	0.13031619	0.00542109	0.39092787	0.99999994
Naa20	0.69521553	0.38637096	0.38095128	0.00541968	0.46227733	0.99999994

Fgfr1	0.0470504	0.04670097	0.04128156	0.00541942	0.19110193	0.99999994
Afp	0.02480717	0.02750616	0.0220895	0.00541666	0.05131524	0.99999994
Ak8	0.08488794	0.07807377	0.0726671	0.00540667	0.31021008	0.99999994
Pip5k1a	0.24409844	0.19032298	0.18492078	0.0054022	0.42290937	0.99999994
Dcx	0.18050755	0.14900442	0.14360629	0.00539813	0.40121211	0.99999994
Hba-x	0.03127004	0.03312075	0.02772447	0.00539628	0.09755815	0.99999994
1110004F10I	1.20132988	0.43435643	0.42896599	0.00539043	0.46666953	0.99999994
Rbbp9	0.10160172	0.09140984	0.08602692	0.00538291	0.33852047	0.99999994
Mettl6	0.19775431	0.1606056	0.15523613	0.00536947	0.40895371	0.99999994
Lmo1	0.0297105	0.03173044	0.02636915	0.00536128	0.08797234	0.99999994
Bloc1s5	0.12296318	0.1077146	0.10235381	0.00536079	0.36368461	0.99999994
Cct3	1.14649504	0.43519273	0.42983373	0.005359	0.46693018	0.99999994
Rab13	0.09681548	0.08759745	0.08224648	0.00535097	0.33248415	0.99999994
Gm5611	0.03266153	0.03427745	0.02893136	0.00534609	0.10934914	0.99999994
Rfc4	0.1123884	0.09967281	0.09434269	0.00533011	0.35343372	0.99999994
Ccnl2	0.58083482	0.35020623	0.34490071	0.00530552	0.45922234	0.99999994
Rnf7	0.75703524	0.4003785	0.39508748	0.00529101	0.46448455	0.99999994
Ramp1	0.12313578	0.10776935	0.10248343	0.00528593	0.36567738	0.99999994
Setbp1	0.10303308	0.09242347	0.08713882	0.00528465	0.3432226	0.99999994
Rbpj	0.16669451	0.13933703	0.13405371	0.00528333	0.39652948	0.99999994
Lage3	0.46367346	0.30413446	0.29885597	0.00527849	0.45320548	0.99999994
Tppp3	0.07725632	0.0717328	0.06646041	0.00527239	0.29872966	0.99999994
Rit1	0.27792961	0.21049596	0.20522425	0.00527171	0.43211752	0.99999994
Gpx8	0.0423771	0.04256634	0.03729616	0.00527017	0.17345912	0.99999994
Atp6v1a	0.27866019	0.2109102	0.20565057	0.00525963	0.43241058	0.99999994
Thoc6	0.22960463	0.18111946	0.17587582	0.00524364	0.42134424	0.99999994
Syf2	0.62098137	0.36397135	0.35873085	0.0052405	0.46126831	0.99999994
Mxi1	0.10022621	0.09019389	0.08495596	0.00523793	0.34075799	0.99999994
Nme5	0.13106596	0.11363075	0.10839953	0.00523121	0.37401928	0.99999994
Dnajb6	1.20658116	0.43405811	0.42883088	0.00522723	0.46766628	0.99999994

Yes1	0.1593122	0.1340607	0.12885985	0.00520085	0.39409793	0.99999994
Alad	0.44145779	0.29428441	0.289087	0.00519741	0.45237124	0.99999994
Ppil2	0.44398394	0.29540628	0.2902156	0.00519069	0.45261665	0.99999994
Ankrd11	0.31390031	0.23080061	0.22562519	0.00517542	0.43932353	0.99999994
Rpl27-ps3	0.5064173	0.32185527	0.316685	0.00517028	0.45673077	0.99999994
Vil1	0.07146043	0.0668741	0.06170563	0.00516847	0.28858031	0.99999994
Mcm7	0.14864808	0.12641157	0.12124565	0.00516593	0.38835533	0.99999994
Polb	0.38515583	0.26784978	0.26268792	0.00516185	0.44796741	0.99999994
Ptgds	0.05291353	0.05140162	0.04624705	0.00515458	0.22907375	0.99999994
Gal	0.04931805	0.04835914	0.04320658	0.00515256	0.21365658	0.99999994
Tipin	0.20409411	0.16454969	0.1594301	0.00511959	0.41537188	0.99999994
Notum	0.02886718	0.03075161	0.02563509	0.00511651	0.0919993	0.99999994
Mkrn1	0.57243289	0.34700045	0.34188482	0.00511564	0.46033119	0.99999994
Mcm5	0.05123888	0.0499455	0.04483269	0.00511281	0.22389488	0.99999994
Capn2	0.20167718	0.16294879	0.15783625	0.00511254	0.41464632	0.99999994
Rbm26	0.176279	0.14579903	0.14070504	0.005094	0.40478431	0.99999994
Ctxn2	0.03428213	0.035428	0.03033416	0.00509385	0.1318337	0.99999994
Prmt5	0.19611504	0.15923656	0.15414475	0.00509181	0.41298348	0.99999994
Irf2bp1	0.28919703	0.21683413	0.21174288	0.00509125	0.43642131	0.99999994
Ndufb8	1.64166515	0.39967721	0.39459088	0.00508633	0.46581218	0.99999994
Ptprk	0.06834409	0.06421193	0.05913427	0.00507767	0.28381007	0.99999994
Ostf1	0.41188811	0.28059449	0.27552371	0.00507078	0.4512497	0.99999994
Pmpca	0.30163595	0.22385755	0.21880255	0.00505499	0.4388909	0.99999994
9130230L23F	0.02529078	0.02756498	0.02251284	0.00505213	0.06761902	0.99999994
Slc25a17	0.45425022	0.29979829	0.29475576	0.00504253	0.45466899	0.99999994
Sf3a2	0.32807155	0.23837265	0.2333412	0.00503146	0.44293631	0.99999994
Nptx2	0.03883599	0.03928215	0.03425986	0.00502229	0.16458596	0.99999994
Smox	0.1198693	0.10504272	0.10002432	0.0050184	0.36920432	0.99999994
Hebp2	0.06944086	0.06505014	0.06004043	0.00500971	0.28931061	0.99999994
Tmx1	0.76305684	0.40135031	0.39634198	0.00500832	0.46648362	0.99999994

Strbp	0.41592223	0.28241753	0.27741269	0.00500484	0.45220665	0.99999994
Stk3	0.11385313	0.10045622	0.0954607	0.00499552	0.36379555	0.99999994
Wif1	0.02107719	0.02380528	0.0188151	0.00499017	0.03874742	0.99999994
Slc39a1	0.10063233	0.09025334	0.08527241	0.00498093	0.34870808	0.99999994
Asap2	0.0926981	0.08393038	0.07895621	0.00497417	0.33748221	0.99999994
Triobp	0.27666768	0.20945496	0.20448671	0.00496824	0.43576162	0.99999994
Sccpdh	0.28696985	0.21542773	0.21046393	0.0049638	0.43762618	0.99999994
Rnf167	0.36253103	0.25633823	0.25138081	0.00495742	0.44778144	0.99999994
Irf8	0.01699574	0.02016472	0.01521335	0.00495137	0.01514059	0.56630796
Tmem159	0.18621879	0.1524433	0.14749361	0.00494969	0.41162048	0.99999994
Ppp4r2	0.21535079	0.17169455	0.1667708	0.00492375	0.42210058	0.99999994
Bag2	0.14001251	0.11989985	0.11498206	0.00491779	0.38793965	0.99999994
Pinlyp	0.05234692	0.05068651	0.04576885	0.00491766	0.237244	0.99999994
Epc2	0.14443738	0.1231143	0.11820267	0.00491164	0.39104766	0.99999994
Egr2	0.05952671	0.05671175	0.05180206	0.00490969	0.26406096	0.99999994
Alg13	0.04057615	0.04065334	0.03575372	0.00489961	0.18083878	0.99999994
Col13a1	0.02233197	0.02481477	0.01991845	0.00489632	0.05089309	0.99999994
3010003L21F	0.09063953	0.08219709	0.07730466	0.00489243	0.33678086	0.99999994
Map9	0.32074675	0.23426338	0.22937473	0.00488865	0.44359269	0.99999994
Jrkl	0.06947783	0.06495872	0.06007095	0.00488778	0.29404495	0.99999994
Ccdc28a	0.06282953	0.05943068	0.05455844	0.00487224	0.27611107	0.99999994
Rsrc1	0.26092934	0.20002577	0.19516085	0.00486492	0.43410678	0.99999994
Ctcf	0.30891877	0.22772113	0.22286998	0.00485114	0.44240006	0.99999994
Cacna1h	0.11480256	0.10102391	0.09618395	0.00483995	0.36883278	0.99999994
Ncs1	0.06712927	0.06294042	0.05812906	0.00481136	0.29083445	0.99999994
A1cf	0.03629224	0.03686531	0.03206992	0.0047954	0.15978991	0.99999994
Aldoc	0.14461555	0.1231259	0.11833187	0.00479403	0.39370629	0.99999994
Fbxo32	0.08097605	0.0742799	0.06949325	0.00478665	0.32330191	0.99999994
Ube2f	0.27283892	0.20701873	0.2022399	0.00477883	0.43750957	0.99999994
Pink1	0.3438458	0.24649519	0.24172432	0.00477087	0.44773916	0.99999994

Speg	0.04174002	0.04152043	0.03675096	0.00476947	0.19383514	0.99999994
Nxph1	0.0254051	0.02738181	0.02261288	0.00476892	0.08019123	0.99999994
Ebpl	0.24423808	0.18976824	0.18500689	0.00476135	0.43199055	0.99999994
Pon3	0.0626536	0.05917256	0.05441192	0.00476064	0.28015453	0.99999994
Ppp2r2a	0.34766743	0.24848219	0.2437231	0.00475909	0.44829267	0.99999994
Tmem108	0.21029178	0.16824648	0.1634884	0.00475808	0.4231963	0.99999994
Pim3	0.22333403	0.17665046	0.17189659	0.00475387	0.42697362	0.99999994
Rhbdd2	0.23127981	0.18168406	0.17693213	0.00475193	0.42905829	0.99999994
Ppp1r7	0.25074042	0.19374484	0.18899545	0.00474939	0.43357807	0.99999994
Srrm4	0.05703646	0.05445277	0.04971591	0.00473686	0.26297264	0.99999994
Rsrc2	1.00709149	0.43152782	0.42680208	0.00472575	0.47062367	0.99999994
Fgd2	0.45635497	0.30039987	0.2956769	0.00472296	0.45766241	0.99999994
Mrps31	0.24339047	0.18920024	0.18448391	0.00471634	0.4324382	0.99999994
Tubb6	0.05454414	0.05233157	0.04762121	0.00471036	0.25514056	0.99999994
Snai1	0.01953475	0.02216524	0.01745627	0.00470897	0.03627865	0.99999994
Abhd11os	0.02689092	0.02862054	0.02391164	0.0047089	0.09495715	0.99999994
Nrip3	0.03342972	0.03429786	0.02959668	0.00470118	0.14518608	0.99999994
Pygl	0.06140625	0.0580606	0.05337209	0.00468851	0.27936382	0.99999994
Evi5	0.28557646	0.21434947	0.20966147	0.004688	0.44084187	0.99999994
Med10	0.62049677	0.36325649	0.35856958	0.00468691	0.46533331	0.99999994
Rab3c	0.04488166	0.04411736	0.03943511	0.00468226	0.21466739	0.99999994
Mphosph8	0.47890682	0.31003343	0.305353	0.00468043	0.45936715	0.99999994
Pkn2	0.4349325	0.29082159	0.28614985	0.00467174	0.45673093	0.99999994
Slc25a13	0.05333739	0.05127313	0.04660453	0.0046686	0.25245022	0.99999994
Fxn	0.22663959	0.1786626	0.17399922	0.00466338	0.42920511	0.99999994
Svbp	0.15805503	0.13263099	0.12796902	0.00466196	0.40419877	0.99999994
Utp3	0.43785577	0.29212998	0.28746989	0.00466009	0.45703581	0.99999994
Gsta4	0.05476261	0.05246422	0.04780511	0.00465911	0.25825579	0.99999994
Gm27033	0.17531525	0.14469238	0.14004084	0.00465154	0.41250935	0.99999994
Elmod1	0.04897039	0.04756258	0.04291182	0.00465076	0.23532772	0.99999994

Lrp1b	0.01706491	0.01991158	0.01527454	0.00463703	0.02165382	0.71171853
Cdc42ep4	0.09932438	0.08887883	0.08424291	0.00463592	0.35706994	0.99999994
Cbx6	0.3116002	0.22898801	0.22435574	0.00463227	0.44534399	0.99999994
Mcm3	0.0578866	0.0550538	0.05042886	0.00462494	0.27077557	0.99999994
Gnai1	0.16355989	0.13645821	0.13185603	0.00460218	0.4081419	0.99999994
Pea15a	0.42071922	0.28424381	0.27964321	0.0046006	0.45639967	0.99999994
Drc1	0.04184367	0.04144012	0.03683969	0.00460043	0.20292282	0.99999994
Fbrsl1	0.12427253	0.1079362	0.10333616	0.00460005	0.38349653	0.99999994
Dusp6	0.06038168	0.05711105	0.05251672	0.00459433	0.28017578	0.99999994
1700128E19I	0.02671364	0.02834775	0.02375681	0.00459094	0.09916538	0.99999994
Gng2	0.08095632	0.07406689	0.0694772	0.00458969	0.33006934	0.99999994
Galr1	0.06700397	0.06261124	0.05802529	0.00458595	0.2994176	0.99999994
Sftpc	0.0271729	0.0287408	0.02415782	0.00458297	0.1033349	0.99999994
Il17re	0.06606295	0.06181393	0.05724543	0.0045685	0.29763527	0.99999994
Fmo2	0.03858994	0.03859778	0.03404835	0.00454942	0.18689417	0.99999994
Timp3	0.02127151	0.02353409	0.01898609	0.004548	0.05541329	0.99999994
Zfp503	0.02576225	0.02746433	0.02292531	0.00453902	0.09376789	0.99999994
Pxmp4	0.19337026	0.15684873	0.15231092	0.00453781	0.42139997	0.99999994
Pclo	0.61420436	0.36100059	0.35646395	0.00453664	0.46624439	0.99999994
Baiap3	0.33962347	0.24403683	0.23950105	0.00453578	0.44984176	0.99999994
Gm15441	0.03585048	0.03621807	0.03168885	0.00452922	0.17070619	0.99999994
Mpdu1	0.30826965	0.22703349	0.22250936	0.00452413	0.44617182	0.99999994
Rassf3	0.10026531	0.08950537	0.08498643	0.00451893	0.36169397	0.99999994
Adam10	0.24534004	0.19019566	0.18568575	0.00450991	0.43578338	0.99999994
Kcnip3	0.03005757	0.03116322	0.02667102	0.0044922	0.13111622	0.99999994
Mlycd	0.10882427	0.09609459	0.09161113	0.00448346	0.37230197	0.99999994
Xrn2	0.38832357	0.26871895	0.26423838	0.00448057	0.45506727	0.99999994
Kat5	0.19845711	0.16018163	0.15570316	0.00447847	0.42408418	0.99999994
Zfpm1	0.05241463	0.05030356	0.04582601	0.00447755	0.25772434	0.99999994
Trp53i13	0.29116365	0.21733317	0.21286844	0.00446473	0.44448357	0.99999994

Irx1	0.01429992	0.01728294	0.0128235	0.00445944	0.01031239	0.44671149
Fam53b	0.05682111	0.05398404	0.04953519	0.00444885	0.27497988	0.99999994
Samd5	0.04188178	0.04131746	0.03687231	0.00444515	0.21114354	0.99999994
Smc2	0.07116045	0.06589252	0.06145857	0.00443395	0.31553355	0.99999994
Mmp11	0.03056001	0.03153776	0.02710776	0.00442999	0.13834335	0.99999994
Habp4	0.12880465	0.11114932	0.10672033	0.00442899	0.39117994	0.99999994
Actn1	0.27851728	0.20999295	0.20556722	0.00442573	0.44302379	0.99999994
Tgs1	0.16366682	0.13635604	0.13193118	0.00442486	0.41167092	0.99999994
Mcm2	0.10972995	0.09670499	0.09230675	0.00439825	0.37555991	0.99999994
Bhmt2	0.02591044	0.02744843	0.02305489	0.00439354	0.10231114	0.99999994
Dhfr	0.08123526	0.07408911	0.06970405	0.00438505	0.3376999	0.99999994
Ctr9	0.31660158	0.23149096	0.22710955	0.00438141	0.44891035	0.99999994
Dab1	0.07663053	0.07032896	0.06594875	0.00438021	0.32920679	0.99999994
Prss8	0.10318965	0.09163878	0.08726029	0.0043785	0.36919019	0.99999994
Rnf121	0.22427481	0.17687275	0.17249614	0.00437661	0.43294296	0.99999994
Tmem109	0.29294502	0.21826152	0.21388494	0.00437658	0.44582985	0.99999994
Srpk1	0.39866175	0.2736145	0.26924258	0.00437193	0.4569641	0.99999994
Atp2c2	0.04367079	0.04276481	0.03840189	0.00436292	0.22475192	0.99999994
Cast	0.03993333	0.03955709	0.03520229	0.00435481	0.2051275	0.99999994
Pop4	0.07260413	0.06699613	0.06264672	0.00434941	0.3219925	0.99999994
Gcc2	0.38814646	0.26849181	0.26415189	0.00433991	0.45645791	0.99999994
Aars	0.28837057	0.21560866	0.21126881	0.00433985	0.44562063	0.99999994
Tfeb	0.05361374	0.05116885	0.04683749	0.00433136	0.26909398	0.99999994
Trim13	0.10704652	0.09457219	0.09024272	0.00432946	0.37473292	0.99999994
Vtn	0.02044336	0.02258265	0.01825707	0.00432558	0.05739006	0.99999994
Mtpn	0.5221834	0.32727593	0.32295326	0.00432267	0.46450354	0.99999994
Soat1	0.21067694	0.16805816	0.16373923	0.00431893	0.4303143	0.99999994
Ddx20	0.09824081	0.08769946	0.08338145	0.004318	0.36515727	0.99999994
Nsa2	0.61060293	0.35956455	0.3552491	0.00431544	0.46777698	0.99999994
Shisa4	0.08147712	0.07420657	0.06990067	0.0043059	0.34089074	0.99999994

Ctnnal1	0.14969296	0.12630013	0.1219975	0.00430263	0.40719839	0.99999994
Thoc1	0.15925404	0.13311515	0.12881868	0.00429647	0.41215368	0.99999994
Dpp6	0.03148109	0.03220203	0.02790767	0.00429436	0.15285545	0.99999994
Lama5	0.07809844	0.07143742	0.06714831	0.00428912	0.33535385	0.99999994
Prmt2	0.36034693	0.254546	0.25026735	0.00427865	0.45469848	0.99999994
Cdc23	0.21577277	0.17131639	0.16704339	0.004273	0.4323985	0.99999994
Txnrd1	0.34767659	0.2479815	0.24372788	0.00425362	0.45375931	0.99999994
Pik3c2g	0.02785006	0.02899684	0.02474865	0.00424819	0.1266049	0.99999994
Rps15a	2.86657823	0.35564415	0.35140008	0.00424408	0.46796237	0.99999994
Slc25a35	0.04398995	0.04291717	0.03867438	0.00424279	0.23262222	0.99999994
Fyn	0.09438469	0.08454886	0.08030609	0.00424277	0.36254224	0.99999994
Hmgcs2	0.01948661	0.02165556	0.01741381	0.00424175	0.05246699	0.99999994
Rps12-ps3	0.46912975	0.30544098	0.30120217	0.00423882	0.4626837	0.99999994
Cxadr	0.16537396	0.13736725	0.13312922	0.00423803	0.41609323	0.99999994
Riid1	0.16341242	0.13597904	0.13175236	0.00422668	0.41545316	0.99999994
Tarbp2	0.20350471	0.16325332	0.15904198	0.00421133	0.4300463	0.99999994
Dcun1d1	0.32236964	0.23446383	0.23025752	0.00420631	0.45160899	0.99999994
Gm6563	0.15072874	0.12694569	0.12274155	0.00420414	0.40982569	0.99999994
9930012K11f	0.0158824	0.01842802	0.01422742	0.0042006	0.02469158	0.78564569
Pcbd2	0.44107016	0.29311237	0.28891342	0.00419895	0.46146616	0.99999994
Tspan8	0.02143085	0.02332432	0.01912627	0.00419805	0.07200594	0.99999994
Ccnt2	0.4084968	0.27812252	0.27392635	0.00419617	0.45939183	0.99999994
Cmtm8	0.06820212	0.06320057	0.05901687	0.0041837	0.31851021	0.99999994
Gps2	0.36879085	0.25873206	0.25455069	0.00418137	0.45646618	0.99999994
Zmym5	0.24948842	0.19240886	0.18823068	0.00417818	0.44126918	0.99999994
Arid4b	0.75101239	0.39799104	0.39381465	0.00417639	0.47186189	0.99999994
lqcb1	0.19881202	0.16011171	0.1559388	0.00417291	0.42931288	0.99999994
6430503K07f	0.07800965	0.07124755	0.06707581	0.00417174	0.33944155	0.99999994
Slco4a1	0.06326495	0.05908833	0.05492094	0.00416739	0.30675022	0.99999994
Pkn1	0.10907118	0.09596705	0.09180087	0.00416618	0.38129388	0.99999994

Tsen15	0.28039189	0.21081088	0.20665909	0.00415179	0.44680937	0.99999994
Igbp1	0.28755981	0.21495227	0.21080315	0.00414911	0.44788244	0.99999994
Lrrc10b	0.04381427	0.04266163	0.0385244	0.00413723	0.2373532	0.99999994
Gpcpd1	0.16025058	0.13366052	0.12952362	0.0041369	0.41581959	0.99999994
Igf2bp2	0.27865951	0.20978282	0.20565017	0.00413265	0.44679502	0.99999994
Sod3	0.02409159	0.0255916	0.0214626	0.004129	0.10017437	0.99999994
Sf3a3	0.37474469	0.2616599	0.25753657	0.00412332	0.45756406	0.99999994
Dennd1c	0.09631763	0.08596857	0.08184956	0.00411901	0.3688216	0.99999994
Polr3gl	0.18252784	0.14910275	0.14498547	0.00411729	0.42503594	0.99999994
Gtf2f2	0.31880853	0.23242913	0.22831742	0.00411171	0.45229206	0.99999994
Adamtsl2	0.03442249	0.0345657	0.03045551	0.00411019	0.18450641	0.99999994
Afap1	0.122696	0.10625694	0.1021531	0.00410384	0.3945773	0.99999994
Plbd1	0.0217578	0.02350148	0.01941381	0.00408767	0.08052839	0.99999994
Siah2	0.11378223	0.09948808	0.09540664	0.00408144	0.38791597	0.99999994
Sf3b4	0.58447257	0.35025371	0.34619299	0.00406072	0.46888354	0.99999994
Tmem44	0.04094394	0.04012482	0.03606902	0.0040558	0.22708617	0.99999994
Slc28a3	0.04826611	0.04636979	0.04231429	0.00405549	0.26174993	0.99999994
Syt11	0.06591181	0.0611681	0.05712008	0.00404801	0.31856115	0.99999994
Slc14a2	0.04095215	0.04011671	0.03607606	0.00404065	0.22797378	0.99999994
Rgs19	0.12986855	0.11154312	0.10751116	0.00403196	0.40143615	0.99999994
Kif21a	0.51087344	0.3225017	0.31847304	0.00402866	0.46644775	0.99999994
Ctsl	0.7734891	0.40247154	0.39844589	0.00402565	0.47319064	0.99999994
Usf1	0.24638032	0.19034986	0.18632552	0.00402434	0.44284227	0.99999994
Capn15	0.10560737	0.09315357	0.08913205	0.00402152	0.38196433	0.99999994
Hells	0.04143352	0.04050714	0.03648849	0.00401865	0.23174994	0.99999994
Ppp2r2d	0.1377742	0.1173519	0.11334412	0.00400778	0.4069628	0.99999994
Sertad3	0.14277323	0.12099251	0.11699413	0.00399839	0.41002239	0.99999994
Xlr4b	0.02038613	0.02220319	0.01820666	0.00399653	0.07198958	0.99999994
Klc1	0.2830275	0.21218259	0.20818871	0.00399388	0.44919512	0.99999994
Sytl5	0.07921878	0.07205616	0.06806229	0.00399387	0.34804932	0.99999994

Rab7	1.03390974	0.43208923	0.42809683	0.0039924	0.47525088	0.99999994
Marf1	0.1472817	0.12423341	0.12026054	0.00397287	0.41297603	0.99999994
Lactb	0.12753347	0.10974188	0.10577363	0.00396825	0.40140082	0.99999994
Kcnk1	0.18850646	0.15300414	0.14904074	0.00396341	0.42974983	0.99999994
Pabpn1l	0.06891684	0.06356952	0.05960764	0.00396188	0.329092	0.99999994
Nupr1	0.07642918	0.06973332	0.06578403	0.00394929	0.34472228	0.99999994
Tmem176a	0.69141607	0.38392877	0.37997975	0.00394902	0.47242412	0.99999994
Midn	0.24778487	0.19113515	0.18718763	0.00394752	0.44418254	0.99999994
Ago1	0.15501747	0.12974868	0.12580915	0.00393954	0.41744489	0.99999994
Apom	0.01590932	0.01817822	0.01425128	0.00392694	0.03331514	0.95175039
Cit	0.05414438	0.05120738	0.0472846	0.00392277	0.2903996	0.99999994
Sertad1	0.13458709	0.11490821	0.111100163	0.00390658	0.40739034	0.99999994
Plxdc2	0.05003882	0.04772368	0.04381724	0.00390645	0.27644475	0.99999994
Trappc2	0.34575657	0.24662787	0.24272539	0.00390248	0.45738687	0.99999994
Psmc6	0.84294998	0.41441485	0.41051409	0.00390076	0.47478385	0.99999994
Grin2c	0.07056311	0.0648665	0.0609663	0.0039002	0.33511657	0.99999994
Zbtb7a	0.47423101	0.30726957	0.30337595	0.00389362	0.46595986	0.99999994
Cecr2	0.05296713	0.05018366	0.04629226	0.0038914	0.28789526	0.99999994
Gsdmd	0.07097961	0.06519193	0.06130958	0.00388235	0.33669293	0.99999994
Snhg6	0.19927198	0.16012191	0.156244	0.00387791	0.43439009	0.99999994
Bod1l	0.28782907	0.21483449	0.21095787	0.00387662	0.45132313	0.99999994
Arg1	0.026785	0.02769141	0.02381914	0.00387227	0.13959929	0.99999994
Slu7	0.25072044	0.19285335	0.18898326	0.00387009	0.44578727	0.99999994
Cnot2	0.25948625	0.198154	0.19429379	0.00386022	0.44739402	0.99999994
Aqp7	0.06105341	0.05693598	0.05307765	0.00385833	0.31424078	0.99999994
Bend5	0.08281523	0.07484188	0.07098743	0.00385445	0.35889103	0.99999994
Smad1	0.18510678	0.15059369	0.14673952	0.00385417	0.43060588	0.99999994
Ptpa	0.1448791	0.12236797	0.11852291	0.00384506	0.41451641	0.99999994
Cdx2	0.01399685	0.01639557	0.01255428	0.00384129	0.02084124	0.69426319
Zfp286	0.03886987	0.03812485	0.03428898	0.00383588	0.22824442	0.99999994

Kmt2a	0.26363578	0.20061201	0.19678162	0.00383039	0.44845447	0.99999994
Ccdc58	0.31452354	0.22978521	0.22596836	0.00381685	0.45523998	0.99999994
Ap1g2	0.05175225	0.04908144	0.04526659	0.00381485	0.28741068	0.99999994
Haus3	0.05058243	0.04808958	0.04427743	0.00381215	0.28329116	0.99999994
Cd200	0.2281815	0.17878579	0.17497621	0.00380958	0.4423862	0.99999994
Snap23	0.22306757	0.17553208	0.17172661	0.00380547	0.44136666	0.99999994
Slc25a53	0.19190148	0.15511332	0.15132629	0.00378703	0.43385056	0.99999994
Cdca8	0.03760555	0.03698515	0.03320148	0.00378367	0.22405633	0.99999994
Cep290	0.17984861	0.14693434	0.14315548	0.00377886	0.43026208	0.99999994
Lym4	0.11797983	0.10237317	0.0985959	0.00377727	0.39935805	0.99999994
Phlda2	0.01077277	0.01346064	0.00968353	0.00377711	0.00471105	0.24382735
Ssbp3	0.34224616	0.24465757	0.24088378	0.00377379	0.45847299	0.99999994
Tgm5	0.02913639	0.02963335	0.02586952	0.00376383	0.16640939	0.99999994
1110059E24I	0.30609942	0.22505776	0.22130097	0.0037568	0.45501603	0.99999994
Jmy	0.1777937	0.14549155	0.14174658	0.00374497	0.43020116	0.99999994
E2f1	0.06594263	0.06088524	0.05714564	0.0037396	0.33156695	0.99999994
Tle1	0.15275462	0.12792137	0.12419324	0.00372813	0.42081229	0.99999994
Zfp358	0.27944241	0.20983004	0.20610647	0.00372358	0.45214033	0.99999994
Gm3764	0.01996477	0.02155697	0.01783538	0.00372159	0.08242594	0.99999994
Serpina10	0.05059596	0.04800825	0.04428887	0.00371937	0.28808093	0.99999994
Shd	0.03768207	0.03696903	0.03326735	0.00370168	0.22945032	0.99999994
Wasf1	0.07120428	0.06518487	0.06149467	0.0036902	0.34478548	0.99999994
Nfyb	0.32050693	0.23293349	0.22924408	0.00368941	0.45734446	0.99999994
Mapk7	0.0960599	0.08532629	0.08164397	0.00368232	0.38200628	0.99999994
Spag1	0.09222356	0.08225024	0.07857589	0.00367435	0.37780017	0.99999994
Ago2	0.19896243	0.15971281	0.15603862	0.00367419	0.43772688	0.99999994
Hoxb4	0.01208253	0.01452407	0.01085126	0.00367282	0.01213038	0.50170905
Smoc2	0.01898398	0.02063445	0.01697037	0.00366408	0.07533385	0.99999994
Wipi2	0.28084213	0.21058294	0.20692084	0.00366209	0.4531113	0.99999994
Ppp1r12a	0.26972277	0.20405746	0.20040113	0.00365633	0.45166899	0.99999994

Bcl11a	0.0956256	0.08495265	0.0812974	0.00365524	0.38236366	0.99999994
Imp4	0.29983394	0.22144313	0.21778885	0.00365428	0.45553581	0.99999994
Hey1	0.01944905	0.02103476	0.01738069	0.00365408	0.08084389	0.99999994
Nt5c2	0.42254372	0.28414037	0.28048712	0.00365325	0.46545623	0.99999994
Igfbp4	0.05760327	0.05383672	0.05019134	0.00364538	0.31438842	0.99999994
4921524J17F	0.35574586	0.25154923	0.2479078	0.00364142	0.46105639	0.99999994
Efs	0.0425241	0.04106318	0.0374219	0.00364128	0.25859379	0.99999994
Pspc1	0.19397152	0.15634875	0.15271332	0.00363542	0.43704788	0.99999994
Mef2a	0.22574561	0.17705638	0.17343166	0.00362472	0.44467857	0.99999994
Gpr85	0.04803118	0.04573447	0.04211485	0.00361962	0.2836305	0.99999994
Syng1	0.16082024	0.13354149	0.12992607	0.00361542	0.4265264	0.99999994
Mcm4	0.06343613	0.05867705	0.05506339	0.00361365	0.33111451	0.99999994
Ing3	0.11567779	0.10044649	0.09684966	0.00359683	0.40237455	0.99999994
Gtf2e2	0.85536613	0.41595123	0.4123589	0.00359232	0.47687916	0.99999994
Chd2	0.3232809	0.23433869	0.23075222	0.00358646	0.45880038	0.99999994
Vps37d	0.08892092	0.07950529	0.07592252	0.00358277	0.37671777	0.99999994
Fbxo28	0.11216637	0.09774804	0.09417299	0.00357505	0.40025293	0.99999994
Ptp4a1	0.40146242	0.2741541	0.27058391	0.00357018	0.46500731	0.99999994
Hnrnp11	0.28544993	0.21315464	0.20958852	0.00356612	0.45491341	0.99999994
Plcl1	0.06489065	0.05982967	0.05627255	0.00355712	0.3369638	0.99999994
Khdrbs2	0.01660682	0.01841421	0.0148691	0.00354511	0.05625453	0.99999994
Derl2	0.63735865	0.36763366	0.36408959	0.00354408	0.47416921	0.99999994
Luzp1	0.26643807	0.20198777	0.19845246	0.00353531	0.4528044	0.99999994
Kif3a	0.19228661	0.15511594	0.15158469	0.00353124	0.4383857	0.99999994
Rpl7a-ps5	0.08384816	0.0753464	0.07182505	0.00352135	0.37208367	0.99999994
Rragb	0.04772448	0.04535338	0.04185439	0.003499	0.28894574	0.99999994
Uty	0.05850557	0.05444536	0.05094745	0.00349792	0.32383275	0.99999994
Actr6	0.11785416	0.10199646	0.09850075	0.00349572	0.40662749	0.99999994
Otop3	0.02766205	0.02807967	0.02458466	0.003495	0.17200271	0.99999994
Zscan29	0.0728736	0.06636217	0.06286825	0.00349392	0.35571764	0.99999994

Hif1a	0.24439659	0.18859286	0.18510461	0.00348824	0.45008872	0.99999994
Bbc3	0.090857	0.08096583	0.07747934	0.0034865	0.38226797	0.99999994
Pbrm1	0.70562651	0.38704139	0.38355596	0.00348543	0.47588377	0.99999994
Tmem41a	0.08981131	0.08012433	0.07663897	0.00348535	0.38105352	0.99999994
Coq2	0.227394	0.17796274	0.17447753	0.00348521	0.44711187	0.99999994
Klhl13	0.04727783	0.04495137	0.04147488	0.00347649	0.28844056	0.99999994
Tfpi	0.05630472	0.05257436	0.04910163	0.00347274	0.31890103	0.99999994
Pak1	0.10125958	0.08923242	0.08576076	0.00347167	0.39378981	0.99999994
Wwc2	0.04181747	0.04028724	0.03681726	0.00346998	0.26521362	0.99999994
Msi2	0.36100863	0.25406543	0.25060512	0.00346031	0.46338488	0.99999994
Tubb4a	0.10860018	0.09489587	0.09143885	0.00345702	0.40065347	0.99999994
Gprc5a	0.02304791	0.02400162	0.02054716	0.00345446	0.1315509	0.99999994
Tubgcp4	0.10150693	0.08940734	0.0859532	0.00345414	0.3945443	0.99999994
Smarcd1	0.12061007	0.10403084	0.10058314	0.0034477	0.40976065	0.99999994
Cdc20	0.05575603	0.0520856	0.04864061	0.00344498	0.31866402	0.99999994
Insrr	0.1349316	0.11469746	0.11125542	0.00344204	0.41842063	0.99999994
Bcl7c	0.29700031	0.21961346	0.21618831	0.00342515	0.45800579	0.99999994
Birc5	0.03994108	0.03862375	0.03520894	0.00341482	0.25927523	0.99999994
Sulf1	0.03651895	0.03565594	0.03226539	0.00339055	0.24212896	0.99999994
Pdcl3	0.43504054	0.28958916	0.28619875	0.00339041	0.46857458	0.99999994
Ppie	0.26279385	0.19966086	0.19627817	0.00338269	0.45433487	0.99999994
Fam181b	0.03210727	0.03182446	0.02845089	0.00337357	0.2149748	0.99999994
Cmtm3	0.05258948	0.04934705	0.0459736	0.00337345	0.31262271	0.99999994
Cog4	0.1980093	0.15877702	0.15540564	0.00337138	0.4425909	0.99999994
Mapt	0.14049702	0.11870104	0.11533583	0.00336522	0.42300327	0.99999994
Slc35d2	0.03121232	0.0310357	0.02767436	0.00336134	0.20940573	0.99999994
Rbms1	0.17748894	0.14489532	0.14153723	0.00335809	0.43725692	0.99999994
Wapl	0.32896314	0.23717319	0.23382087	0.00335232	0.46198543	0.99999994
Caap1	0.18898432	0.15270983	0.14936318	0.00334665	0.44072037	0.99999994
Psat1	0.05042558	0.04747896	0.04414468	0.00333428	0.30756679	0.99999994

Rnf128	0.14009893	0.11837863	0.11504518	0.00333345	0.42353083	0.99999994
Dapk1	0.15777615	0.13110286	0.12777117	0.0033317	0.43110253	0.99999994
Rdm1	0.06493989	0.05963939	0.05631344	0.00332595	0.34711041	0.99999994
Fam221a	0.19618282	0.15750825	0.15418993	0.00331832	0.44304583	0.99999994
Il10rb	0.15066148	0.12600983	0.12269327	0.00331655	0.42860385	0.99999994
Nipsnap1	0.27706262	0.20803257	0.2047177	0.00331487	0.45708414	0.99999994
Tmem138	0.17129892	0.14056751	0.13726181	0.00330569	0.43632007	0.99999994
Ndrp2	0.05343653	0.04998145	0.04668812	0.00329333	0.31934455	0.99999994
Lrp8os2	0.02569424	0.02615425	0.02286582	0.00328843	0.16921338	0.99999994
Cacng4	0.01760593	0.019015	0.01575308	0.00326193	0.08405437	0.99999994
Efna2	0.16470891	0.13592465	0.13266289	0.00326176	0.43499993	0.99999994
Gstm1	0.117167	0.10123694	0.09798007	0.00325687	0.41244576	0.99999994
Prkrip1	0.35809675	0.25235757	0.24911555	0.00324202	0.46548414	0.99999994
Tmem229a	0.0539645	0.05037487	0.04713307	0.0032418	0.32354008	0.99999994
Itpka	0.02996115	0.02982837	0.02658717	0.0032412	0.20854932	0.99999994
Fitm1	0.03598395	0.03504168	0.031804	0.00323767	0.24900538	0.99999994
Akirin1	0.49344472	0.31463615	0.31140482	0.00323133	0.47246671	0.99999994
Syncrip	0.45670605	0.29905878	0.29583026	0.00322853	0.47104478	0.99999994
Hnrnpu	0.74203959	0.39507499	0.3918565	0.00321849	0.47820004	0.99999994
Nop58	0.49958386	0.31713432	0.31391786	0.00321645	0.47281237	0.99999994
Gm19590	0.03294913	0.03239388	0.02918053	0.00321335	0.23178025	0.99999994
Carnmt1	0.1127915	0.09786143	0.09465064	0.00321079	0.41067825	0.99999994
Rbbp4	0.86595031	0.41705923	0.41385202	0.00320722	0.47942985	0.99999994
Snx18	0.06687101	0.06111983	0.05791516	0.00320467	0.35631653	0.99999994
Flnc	0.02540044	0.02580621	0.0226088	0.0031974	0.17325966	0.99999994
Pi16	0.0378349	0.03659387	0.03339889	0.00319498	0.2621418	0.99999994
Rrad	0.01476629	0.01642499	0.01323755	0.00318744	0.05449287	0.99999994
Rhou	0.10106903	0.0887942	0.08561245	0.00318175	0.40230677	0.99999994
Scn9a	0.10338203	0.09058781	0.0874095	0.00317831	0.40437728	0.99999994
Lekr1	0.07018357	0.06383035	0.06065332	0.00317703	0.36367183	0.99999994

Gng11	0.0259177	0.02623805	0.02306124	0.00317681	0.17958478	0.99999994
Fbln2	0.05611594	0.05211812	0.04894305	0.00317507	0.33293755	0.99999994
Fermt1	0.04977292	0.04676546	0.04359203	0.00317343	0.31398994	0.99999994
Hsf2	0.13245665	0.1125938	0.10942902	0.00316478	0.42367228	0.99999994
Kif22	0.07497659	0.06775156	0.06459445	0.00315712	0.37246337	0.99999994
Eef1e1	0.31552467	0.22967309	0.22651862	0.00315447	0.46307267	0.99999994
Rgs3	0.07899672	0.07102925	0.06788124	0.00314801	0.37877869	0.99999994
Efhd2	0.13709454	0.11598757	0.11284559	0.00314197	0.42648362	0.99999994
Lsm12	0.30420396	0.2233802	0.22024215	0.00313805	0.4622206	0.99999994
Cypt3	0.00690155	0.00935232	0.00621999	0.00313233	0.00040104	0.0316483
Evl	0.1580455	0.13109051	0.12796226	0.00312825	0.43536725	0.99999994
Gm27216	0.00929529	0.01149173	0.00836378	0.00312794	0.00639811	0.30798308
Ece1	0.53959988	0.33281809	0.32969229	0.0031258	0.47483997	0.99999994
B3gnt8	0.0629334	0.05776794	0.05464493	0.00312301	0.35181794	0.99999994
Prr5	0.04959725	0.04654534	0.0434432	0.00310214	0.31728313	0.99999994
Dand5	0.0545086	0.05068975	0.0475913	0.00309845	0.33237471	0.99999994
Siah1a	0.10932337	0.0950915	0.09199459	0.00309691	0.41134765	0.99999994
Tlcd1	0.05196043	0.04852928	0.04544246	0.00308681	0.3255794	0.99999994
Rdh5	0.02283513	0.0234301	0.02036037	0.00306973	0.15779105	0.99999994
Kcnk12	0.02629459	0.02646016	0.0233907	0.00306947	0.19119885	0.99999994
Trmt6	0.31693138	0.23035659	0.22729032	0.00306627	0.46422393	0.99999994
Aif1l	0.03625676	0.03509993	0.03203932	0.00306061	0.26243406	0.99999994
Cd55	0.03560273	0.0345329	0.03147504	0.00305786	0.25892008	0.99999994
Nqo1	0.06491334	0.05933627	0.05629139	0.00304487	0.35940457	0.99999994
Col9a1	0.02729736	0.02730339	0.02426645	0.00303694	0.20241106	0.99999994
Ccer2	0.02101444	0.02179603	0.01875988	0.00303615	0.14067699	0.99999994
Rnf165	0.0388618	0.03731118	0.03428204	0.00302914	0.27821541	0.99999994
Cnot4	0.40061703	0.27320862	0.27017965	0.00302897	0.4702569	0.99999994
Nkpd1	0.02122362	0.02196117	0.01894396	0.00301721	0.14453553	0.99999994
Bcam	0.112268	0.09726713	0.09425068	0.00301646	0.41565014	0.99999994

Gnb3	0.02746576	0.02742403	0.02441342	0.00301061	0.20586612	0.99999994
Neto2	0.03718216	0.03584354	0.0328369	0.00300664	0.27110502	0.99999994
Ctf1	0.03009255	0.02970566	0.02670143	0.00300422	0.22695338	0.99999994
Prpf38a	0.36158575	0.25390068	0.25089939	0.00300129	0.46826812	0.99999994
Pip4k2a	0.02104949	0.0217897	0.01879073	0.00299897	0.14403963	0.99999994
Klk8	0.0192483	0.02019905	0.0172036	0.00299545	0.12323057	0.99999994
Nosip	0.1692001	0.13879729	0.13580241	0.00299488	0.44164725	0.99999994
Kctd10	0.14375249	0.1206947	0.11770568	0.00298902	0.43288586	0.99999994
Gm10036	0.33723993	0.24122479	0.2382394	0.00298538	0.4667624	0.99999994
Ehmt1	0.26593354	0.20113619	0.19815218	0.00298401	0.46007722	0.99999994
Gm266	0.02124698	0.02194686	0.01896452	0.00298234	0.14760208	0.99999994
Psmc12	0.87971159	0.41863463	0.41565993	0.0029747	0.48100288	0.99999994
Cdkn2aip	0.16762709	0.13767087	0.1347054	0.00296548	0.4417489	0.99999994
Immp2l	0.05889242	0.05422673	0.05127134	0.0029554	0.35060501	0.99999994
Pcmdt1	0.20114292	0.16042969	0.15748309	0.0029466	0.45044218	0.99999994
Draxin	0.02801415	0.02783333	0.02489174	0.00294158	0.21575338	0.99999994
Serpina1d	0.0172988	0.01842294	0.01548146	0.00294148	0.10298817	0.99999994
Bmp2	0.01845117	0.01943692	0.01649998	0.00293694	0.11804653	0.99999994
Thumpd1	0.24653076	0.18935375	0.18641795	0.0029358	0.45825631	0.99999994
Reep3	0.12160778	0.10427008	0.10133472	0.00293535	0.42355232	0.99999994
5430403G16	0.0518315	0.04826311	0.04533355	0.00292956	0.3335436	0.99999994
Lmo3	0.02175686	0.02233961	0.01941298	0.00292663	0.15781307	0.99999994
Asxl3	0.03256875	0.03177663	0.02885096	0.00292567	0.24983867	0.99999994
Ntf3	0.0215582	0.0221562	0.01923828	0.00291792	0.15634679	0.99999994
Ints10	0.2053959	0.16319871	0.16028602	0.0029127	0.45186198	0.99999994
Nedd4l	0.15311627	0.12735974	0.12445189	0.00290785	0.43820275	0.99999994
Vash2	0.04216342	0.0400172	0.03711335	0.00290385	0.30124875	0.99999994
Plbd2	0.09771839	0.0858677	0.0829657	0.002902	0.40794735	0.99999994
Gm15567	0.01903962	0.01992084	0.01701948	0.00290136	0.12824472	0.99999994
Kctd5	0.26423977	0.20004208	0.19714238	0.00289971	0.46100333	0.99999994

Pdcd4	0.46142759	0.30078255	0.29788432	0.00289823	0.47418165	0.99999994
Hyls1	0.04580709	0.04312138	0.04022366	0.00289772	0.3157826	0.99999994
Baz1b	0.32571897	0.23496214	0.23207227	0.00288987	0.46697033	0.99999994
Prdm16	0.04377645	0.04138025	0.03849211	0.00288814	0.30873476	0.99999994
Mrpl47	0.19878697	0.15880785	0.15592217	0.00288567	0.4509783	0.99999994
Haus1	0.12126024	0.10395364	0.10107305	0.00288059	0.42476944	0.99999994
Bik	0.04669051	0.04385522	0.04097551	0.0028797	0.31996393	0.99999994
Clic6	0.05713278	0.05267625	0.04979673	0.00287952	0.3501531	0.99999994
Rab35	0.08128407	0.07262269	0.06974374	0.00287895	0.39174746	0.99999994
Rexo1	0.24745917	0.18986601	0.18698788	0.00287812	0.4591978	0.99999994
Lzts2	0.24885635	0.19071741	0.187844	0.00287341	0.4594494	0.99999994
Tbk1	0.08102129	0.07238277	0.06953004	0.00285273	0.39238741	0.99999994
2310040G24	0.13092104	0.11114052	0.10829212	0.0028484	0.43050771	0.99999994
Pawr	0.02164634	0.02216364	0.0193158	0.00284784	0.16320161	0.99999994
Mal2	0.05312837	0.04926897	0.04642827	0.0028407	0.34190581	0.99999994
Fras1	0.02441033	0.02458257	0.02174191	0.00284065	0.19223896	0.99999994
Ccdc43	0.17681918	0.14391729	0.14107679	0.00284049	0.44669274	0.99999994
Pik3ip1	0.09375246	0.08263322	0.07980042	0.00283281	0.40660321	0.99999994
Renbp	0.03523715	0.03398886	0.03115941	0.00282945	0.27277724	0.99999994
Metrn	0.05482104	0.05068182	0.04785428	0.00282753	0.34704902	0.99999994
Al467606	0.16706405	0.13713801	0.13431206	0.00282595	0.44430985	0.99999994
Pdlim1	0.05052471	0.04703922	0.04422858	0.00281064	0.33614797	0.99999994
Ehbp11	0.02593557	0.02588214	0.02307686	0.00280528	0.20921046	0.99999994
Gprc5c	0.09422289	0.08297643	0.08017672	0.00279971	0.40809997	0.99999994
Vdac3	0.83303305	0.41176402	0.40897089	0.00279313	0.48187008	0.99999994
Akr1b8	0.02182182	0.02225366	0.01947009	0.00278356	0.17064129	0.99999994
Zfand3	0.24154787	0.186124	0.18334457	0.00277943	0.45981185	0.99999994
Nhsl1	0.08971859	0.07934191	0.0765644	0.00277751	0.40459491	0.99999994
Msantd4	0.26265305	0.19897072	0.19619392	0.00277681	0.46247117	0.99999994
Pacsin3	0.04171664	0.0395068	0.03673093	0.00277587	0.30746781	0.99999994

Pde6d	0.42932859	0.28637687	0.28360217	0.0027747	0.47403751	0.99999994
Sun2	0.04476335	0.04209922	0.03933423	0.00276498	0.31992604	0.99999994
Nsmce2	0.34174057	0.24336874	0.24061767	0.00275106	0.46966801	0.99999994
Dedd2	0.12824074	0.10904485	0.1063006	0.00274425	0.4317817	0.99999994
Fam171a2	0.02830617	0.02788866	0.02514631	0.00274235	0.23394545	0.99999994
Ell2	0.14611811	0.12215765	0.11941993	0.00273772	0.43935755	0.99999994
Atp6v1b2	0.70334807	0.38574038	0.38300481	0.00273557	0.4810405	0.99999994
Ppp1r9a	0.14333646	0.12013439	0.11740352	0.00273087	0.43847739	0.99999994
Ppp2r5b	0.24776826	0.18990227	0.18717744	0.00272483	0.461403	0.99999994
Srsf10	0.63839404	0.36714451	0.36442304	0.00272147	0.48017715	0.99999994
Marveld2	0.09320197	0.0820789	0.07935979	0.00271911	0.40979692	0.99999994
Hsf1	0.12986687	0.11022329	0.10750991	0.00271338	0.43329328	0.99999994
Igll1	0.00311721	0.00552789	0.00281659	0.0027113	7.39E-11	1.51E-08
Smoc1	0.05851282	0.05365617	0.05095351	0.00270266	0.36202021	0.99999994
Crbn	0.1897171	0.15255294	0.14985717	0.00269576	0.45234441	0.99999994
Elfn1	0.01366334	0.01495315	0.0122579	0.00269525	0.07165271	0.99999994
C1ql1	0.00860871	0.01044331	0.0077496	0.00269371	0.01034192	0.44677666
Hprt	0.53786472	0.33172183	0.32902954	0.00269229	0.47828203	0.99999994
Flna	0.05667129	0.05209904	0.04940944	0.00268961	0.35854912	0.99999994
Ppp1r35	0.35291779	0.24912922	0.24644893	0.00268029	0.47114489	0.99999994
Mtfr1	0.22421665	0.17513738	0.1724591	0.00267828	0.45883349	0.99999994
Upf1	0.1366897	0.11522099	0.11254838	0.00267261	0.43720318	0.99999994
Csnk1g3	0.1530789	0.12709654	0.12442517	0.00267136	0.44318082	0.99999994
Rnf34	0.24980965	0.1910978	0.18842704	0.00267075	0.46241687	0.99999994
Stap2	0.05651554	0.05194825	0.04927867	0.00266959	0.35920053	0.99999994
Rfc1	0.19485091	0.15596772	0.15330117	0.00266655	0.45391261	0.99999994
Abcf2	0.25038029	0.19144177	0.18877563	0.00266614	0.46255057	0.99999994
Med27	0.30292848	0.22218895	0.21952787	0.00266108	0.4678453	0.99999994
Col2a1	0.01207974	0.01350719	0.01084877	0.00265842	0.05143501	0.99999994
Rhov	0.07024472	0.06335937	0.06070376	0.00265561	0.38545078	0.99999994

Ltbp1	0.02120779	0.0215824	0.01893003	0.00265237	0.17549973	0.99999994
H2-T23	0.05751847	0.05276326	0.05012024	0.00264302	0.36278888	0.99999994
Ica1	0.34057626	0.24264632	0.24000404	0.00264228	0.47079093	0.99999994
Nkx6-2	0.00871333	0.01047979	0.00784323	0.00263656	0.01262422	0.51649113
Itfg2	0.17098585	0.13967215	0.13704443	0.00262772	0.44922079	0.99999994
Fibp	0.26685523	0.20132788	0.19870054	0.00262734	0.46493259	0.99999994
Cox17	0.89540421	0.42015077	0.41752861	0.00262216	0.48332779	0.99999994
Slc5a9	0.01182593	0.0132396	0.01062264	0.00261695	0.05051977	0.99999994
Sat1	0.14253412	0.11943672	0.11682021	0.00261651	0.44074239	0.99999994
Fgfbp3	0.03653843	0.03489565	0.03228219	0.00261346	0.29498562	0.99999994
Kctd15	0.08488711	0.07527892	0.07266643	0.00261249	0.40543344	0.99999994
Rbm38	0.06959838	0.06277817	0.06017047	0.00260771	0.38649054	0.99999994
3830403N18	0.00514968	0.00724943	0.00464664	0.00260279	9.63E-05	0.0089777
Triqk	0.125881	0.10714104	0.10454006	0.00260098	0.43423132	0.99999994
Mex3b	0.03221601	0.03113985	0.02854519	0.00259466	0.2725758	0.99999994
Dgkb	0.00885469	0.01054671	0.00796971	0.00257701	0.01568549	0.57349171
Pcdhb7	0.01481918	0.01585541	0.0132845	0.00257092	0.09884011	0.99999994
St6galnac4	0.05402315	0.04975128	0.04718248	0.0025688	0.35852706	0.99999994
Tbcc	0.37417381	0.25981978	0.25725149	0.00256828	0.47350817	0.99999994
Exosc5	0.30832308	0.22510032	0.22253906	0.00256126	0.46946696	0.99999994
Elf2	0.26536051	0.20037169	0.19781086	0.00256083	0.46566476	0.99999994
Lin9	0.07164114	0.0644112	0.06185443	0.00255677	0.39160323	0.99999994
2410004B18	0.34745946	0.24617013	0.24361466	0.00255547	0.47216687	0.99999994
Hectd2	0.03030177	0.02943652	0.02688333	0.00255319	0.26363642	0.99999994
2900060B14	0.05164579	0.04772764	0.04517664	0.00255101	0.35350784	0.99999994
Tmem63b	0.26343568	0.19921271	0.19666203	0.00255068	0.46560118	0.99999994
Arhgap27	0.02757297	0.0270548	0.02450695	0.00254785	0.2444614	0.99999994
Enho	0.39125711	0.26819995	0.26566727	0.00253268	0.47470134	0.99999994
Dcbld1	0.09349098	0.08211843	0.07959116	0.00252727	0.4163032	0.99999994
Tsr3	0.29429964	0.21718244	0.214656	0.00252643	0.46877751	0.99999994

Pon2	0.09355091	0.08216226	0.07963913	0.00252314	0.41648751	0.99999994
Mrpl35	0.38980527	0.26747841	0.26496093	0.00251748	0.474786	0.99999994
Bptf	0.48135875	0.30888647	0.30638388	0.00250259	0.47832017	0.99999994
MacroD2	0.22919939	0.17810755	0.17561986	0.00248769	0.46243997	0.99999994
AI987944	0.08677252	0.07666806	0.07419043	0.00247763	0.41204286	0.99999994
Aaas	0.05999175	0.05466814	0.05219088	0.00247726	0.37602153	0.99999994
Fam83f	0.0306693	0.02967388	0.02720273	0.00247115	0.27269716	0.99999994
Frk	0.03353598	0.03215957	0.02968867	0.0024709	0.28979304	0.99999994
Klc4	0.15409524	0.12761739	0.12515129	0.0024661	0.44782314	0.99999994
Gm6710	0.04330701	0.04054397	0.03809115	0.00245282	0.33409785	0.99999994
Brd9	0.11891014	0.10174743	0.09929975	0.00244768	0.43483601	0.99999994
Dctpp1	0.32176201	0.23237105	0.22992726	0.00244378	0.47179948	0.99999994
Irx2	0.01860414	0.01907407	0.01663507	0.002439	0.16454657	0.99999994
Fbxo36	0.11660274	0.09998461	0.09755208	0.00243253	0.43408589	0.99999994
Cthrc1	0.03148088	0.03033917	0.02790748	0.00243169	0.28095911	0.99999994
Lgi3	0.03075652	0.02970996	0.02727851	0.00243146	0.27648644	0.99999994
Calcoco2	0.01230479	0.01347506	0.01104921	0.00242585	0.0719525	0.99999994
Celf4	0.18509583	0.14915317	0.14673209	0.00242108	0.45627213	0.99999994
Rnf111	0.13618888	0.11460094	0.11218044	0.0024205	0.44289895	0.99999994
Dqx1	0.00666134	0.00842402	0.00600448	0.00241954	0.00365677	0.20382044
Sdc1	0.04561374	0.04247719	0.04005899	0.0024182	0.34390892	0.99999994
Tmem17	0.09576936	0.08382564	0.08141215	0.00241349	0.42178479	0.99999994
Cul1	0.36449053	0.25478831	0.25237646	0.00241185	0.47463965	0.99999994
Eif4a2	1.36076401	0.42374164	0.42133024	0.0024114	0.48480542	0.99999994
Pde1a	0.01461001	0.01550592	0.01309883	0.00240709	0.11062735	0.99999994
Zfp638	0.3557242	0.2503033	0.24789665	0.00240665	0.47423762	0.99999994
Klhdc8a	0.03487308	0.03324932	0.03084493	0.00240439	0.30192627	0.99999994
Taf5	0.03872933	0.03657077	0.03416818	0.00240259	0.31987377	0.99999994
Prcc	0.1611913	0.1325905	0.13018803	0.00240247	0.45111866	0.99999994
Dusp9	0.02325829	0.02313361	0.02073179	0.00240182	0.22030807	0.99999994

Bcl2l12	0.06734676	0.0607044	0.05830914	0.00239526	0.39225981	0.99999994
Kif26a	0.02136054	0.02145335	0.01906442	0.00238893	0.20211296	0.99999994
Camk2n2	0.08237103	0.07300314	0.07062688	0.00237626	0.41139612	0.99999994
Gsx1	0.00204682	0.00422632	0.00185077	0.00237554	6.50E-18	1.99E-15
Mbnl2	0.54119623	0.33266496	0.3303004	0.00236456	0.48099692	0.99999994
Ndst4	0.01706846	0.01763773	0.01527769	0.00236004	0.15191643	0.99999994
Meis1	0.09293468	0.08150323	0.07914574	0.00235749	0.42141642	0.99999994
Klb	0.02406047	0.02379195	0.02143532	0.00235663	0.23214235	0.99999994
Bmp7	0.02713563	0.02648156	0.02412529	0.00235627	0.25780912	0.99999994
Btbd2	0.09423625	0.08253877	0.0801874	0.00235136	0.42262339	0.99999994
Exoc6b	0.13731787	0.11535756	0.11300947	0.0023481	0.44499972	0.99999994
Nrp1	0.01969922	0.01993276	0.0176013	0.00233146	0.18896977	0.99999994
Adgre5	0.04278213	0.03997344	0.03764255	0.00233089	0.34010622	0.99999994
Rhbg	0.02705384	0.02638344	0.02405389	0.00232955	0.25957731	0.99999994
Trim9	0.03313085	0.03166685	0.02933792	0.00232894	0.29861005	0.99999994
Zc3hc1	0.09037901	0.07941617	0.07709534	0.00232083	0.4205922	0.99999994
Tbc1d17	0.22872371	0.17763889	0.1753192	0.00231968	0.46490987	0.99999994
Brcc3	0.29925675	0.21978048	0.21746355	0.00231693	0.47173107	0.99999994
Msi1	0.12226381	0.10414042	0.10182825	0.00231216	0.43993162	0.99999994
Ldlrad3	0.07966127	0.07073405	0.06842292	0.00231113	0.41105469	0.99999994
Taf11	0.24705166	0.18903763	0.18673782	0.0022998	0.46733226	0.99999994
Tram1l1	0.02932934	0.02833642	0.02603748	0.00229894	0.27836214	0.99999994
Snapin	0.23822336	0.18357747	0.18128042	0.00229705	0.4663913	0.99999994
Gpr160	0.02107502	0.02110896	0.01881319	0.00229577	0.20831704	0.99999994
Gfra1	0.01816694	0.01854035	0.01624891	0.00229143	0.17394636	0.99999994
Gm7932	0.01339906	0.01431405	0.01202294	0.0022911	0.10231992	0.99999994
Tcf7l2	0.12202501	0.10393207	0.10164866	0.00228341	0.44056902	0.99999994
Mrs2	0.04333826	0.04039778	0.03811785	0.00227993	0.34526553	0.99999994
Obscn	0.01510207	0.01580212	0.01353551	0.00226661	0.13249985	0.99999994
Zfp711	0.02421479	0.02383662	0.02157057	0.00226605	0.24219205	0.99999994

Dbp	0.10197783	0.08858281	0.08631934	0.00226347	0.43071912	0.99999994
Arpc4	0.59367186	0.3516878	0.34942747	0.00226034	0.4828277	0.99999994
Psme1	0.94447028	0.42469734	0.42243791	0.00225944	0.48579988	0.99999994
Arid3a	0.14253602	0.11907602	0.1168216	0.00225442	0.44889467	0.99999994
Dixdc1	0.05709975	0.0520227	0.04976902	0.00225369	0.38154742	0.99999994
Hkdc1	0.01838189	0.01869221	0.0164388	0.00225342	0.1807666	0.99999994
Tsc22d3	0.08408143	0.07426157	0.07201406	0.00224751	0.41771569	0.99999994
N4bp2l2	0.54101537	0.33247871	0.33023158	0.00224713	0.48193625	0.99999994
Stx4a	0.25100739	0.19139917	0.18915833	0.00224084	0.46857448	0.99999994
Prss23	0.06136435	0.05557417	0.05333713	0.00223704	0.39005444	0.99999994
Etf	0.75358058	0.39659487	0.39435962	0.00223525	0.48495205	0.99999994
Fzd2	0.04503505	0.04179831	0.03956588	0.00223243	0.35361754	0.99999994
Sft2d2	0.11557041	0.09899974	0.09676804	0.0022317	0.43899752	0.99999994
Zfp105	0.05210975	0.04780001	0.04556858	0.00223142	0.3722304	0.99999994
Ccndbp1	0.36685838	0.25580259	0.25357547	0.00222712	0.47669038	0.99999994
Rwdd3	0.06362606	0.05744832	0.05522142	0.00222691	0.39418402	0.99999994
Phyhip	0.03166745	0.03029489	0.02806939	0.00222551	0.29883448	0.99999994
L3mbtl3	0.05309784	0.0486237	0.04640251	0.00222119	0.37500541	0.99999994
Tgm2	0.03786397	0.03564008	0.03342391	0.00221617	0.32947974	0.99999994
Lor	0.00550393	0.00717329	0.0049651	0.00220819	0.00153638	0.10511378
Alb	0.01839106	0.01865292	0.0164469	0.00220602	0.18597778	0.99999994
Efcab6	0.00913513	0.01042658	0.00822056	0.00220602	0.03702859	0.99999994
Nmnat3	0.04497979	0.04171851	0.03951878	0.00219973	0.35550017	0.99999994
Msantd3	0.05143992	0.04720076	0.04500265	0.00219812	0.37254353	0.99999994
Car3	0.00380931	0.0056313	0.00344033	0.00219097	1.12E-05	0.0011925
Eif2ak2	0.1004959	0.08735597	0.08516613	0.00218985	0.43205184	0.99999994
Tssc4	0.65328295	0.37130816	0.36912264	0.00218551	0.48428129	0.99999994
Slc17a7	0.0101598	0.01131941	0.00913632	0.00218309	0.05585946	0.99999994
Tmem266	0.02622782	0.02551123	0.02333234	0.00217889	0.26710085	0.99999994
Pdhx	0.11404966	0.09778873	0.0956105	0.00217823	0.43973248	0.99999994

Hp1bp3	0.61493549	0.35888654	0.35670971	0.00217683	0.48379918	0.99999994
Plod2	0.03233018	0.030815	0.02864417	0.00217083	0.30696927	0.99999994
Glrx2	0.54674209	0.33457143	0.33240101	0.00217042	0.4826663	0.99999994
Steap2	0.11416939	0.09787193	0.09570174	0.00217019	0.44001008	0.99999994
Nrip1	0.09554868	0.0834043	0.081236	0.0021683	0.4294922	0.99999994
Nt5c3b	0.26326524	0.19872311	0.19656014	0.00216297	0.47080463	0.99999994
Ncam1	0.17240164	0.1401871	0.13802661	0.00216049	0.45850921	0.99999994
Cidea	0.01557351	0.01611167	0.01395361	0.00215806	0.15162976	0.99999994
Vps13a	0.11738803	0.10030524	0.09814761	0.00215763	0.44183033	0.99999994
Cggbp1	0.32200517	0.23221501	0.23005947	0.00215554	0.47513542	0.99999994
Cntn5	0.00505565	0.00671079	0.00456209	0.0021487	0.00085902	0.06168322
Ppp2r2b	0.12858751	0.10869825	0.10655875	0.00213949	0.44684095	0.99999994
Npy1r	0.01354987	0.01429624	0.01215703	0.00213921	0.12074148	0.99999994
Cox19	0.36260995	0.25355774	0.25142097	0.00213677	0.47744351	0.99999994
Ndufaf1	0.13841507	0.11594213	0.1138137	0.00212843	0.45046749	0.99999994
Anapc15	0.10688034	0.09224204	0.09011461	0.00212743	0.43756575	0.99999994
Mok	0.04878903	0.04487971	0.042758	0.00212171	0.3705874	0.99999994
Pdrg1	0.55309294	0.33690208	0.3347827	0.00211938	0.48319401	0.99999994
Zfp518a	0.11027745	0.09484485	0.09272676	0.00211809	0.43957524	0.99999994
Rnf146	0.26971684	0.20251291	0.20039762	0.00211529	0.47199298	0.99999994
Ptpn12	0.04464398	0.04134503	0.03923243	0.00211259	0.36000975	0.99999994
Cadm4	0.04474601	0.04143197	0.03931945	0.00211252	0.36031112	0.99999994
Rnf44	0.12397546	0.10521066	0.10311345	0.0020972	0.44615489	0.99999994
Timm44	0.25083459	0.19114666	0.18905292	0.00209374	0.47061721	0.99999994
Skp2	0.02505331	0.02439851	0.022305	0.00209351	0.26606647	0.99999994
Bend7	0.16475929	0.13478833	0.13269824	0.00209009	0.45825043	0.99999994
Sfrp1	0.01756924	0.01780998	0.01572064	0.00208935	0.18816975	0.99999994
Pmf1	0.12812418	0.10830191	0.1062138	0.00208811	0.44794282	0.99999994
Galnt9	0.01243126	0.01324932	0.01116182	0.0020875	0.10658778	0.99999994
Kif20b	0.01764058	0.01787025	0.01578371	0.00208654	0.18944466	0.99999994

Repin1	0.07395831	0.06583799	0.0637592	0.00207879	0.41409544	0.99999994
Adra2c	0.00821379	0.00947124	0.00739607	0.00207516	0.03090768	0.89706031
Gm26737	0.00951919	0.01063834	0.00856395	0.00207439	0.05344539	0.99999994
Sema5a	0.02304274	0.02261552	0.02054262	0.0020729	0.250895	0.99999994
Plpp1	0.05044464	0.04623357	0.04416081	0.00207276	0.37735772	0.99999994
Cbr4	0.11920884	0.10159185	0.09952551	0.00206634	0.4450418	0.99999994
Atoh8	0.01554611	0.01599059	0.01392932	0.00206127	0.16230941	0.99999994
Lhfp12	0.02449995	0.02388154	0.02182043	0.00206111	0.26475798	0.99999994
Gm5426	0.03865093	0.03615757	0.03410079	0.00205678	0.34403439	0.99999994
Cox4i2	0.01398591	0.01459908	0.01254456	0.00205452	0.13782112	0.99999994
Pqbp1	0.39774455	0.27085498	0.268802	0.00205298	0.47972733	0.99999994
Olfml2b	0.03151298	0.02997807	0.02793534	0.00204273	0.3132229	0.99999994
Dbn1	0.04978654	0.04564452	0.04360356	0.00204096	0.37768552	0.99999994
Acot9	0.01478422	0.01528672	0.01325347	0.00203325	0.15358642	0.99999994
Sox13	0.04723611	0.0434708	0.04143943	0.00203137	0.37210021	0.99999994
Fbxo2	0.05869327	0.05313554	0.05110462	0.00203092	0.39568727	0.99999994
Zswim4	0.03476867	0.03278341	0.03075471	0.0020287	0.33030219	0.99999994
Fmnl1	0.02328923	0.02278373	0.02075894	0.0020248	0.25808798	0.99999994
Hpgd	0.02366058	0.0231088	0.0210847	0.00202409	0.26141206	0.99999994
Tgfb1	0.02211896	0.02175396	0.01973128	0.00202268	0.24750822	0.99999994
Lzts1	0.03633586	0.03413018	0.03210753	0.00202265	0.33748937	0.99999994
Eed	0.13406417	0.11263052	0.11061613	0.00201439	0.45175981	0.99999994
Snx20	0.00676429	0.00811044	0.00609685	0.00201359	0.01396119	0.54149729
Gulo	0.05266989	0.04805379	0.04604147	0.00201232	0.38555332	0.99999994
Aldh5a1	0.19552264	0.15576042	0.15374965	0.00201077	0.46531455	0.99999994
Vsig8	0.01033888	0.01130517	0.00929623	0.00200894	0.07515268	0.99999994
Hnrnp3	0.61599809	0.35907441	0.35706638	0.00200803	0.48506975	0.99999994
Plpp6	0.09784522	0.08507422	0.08306666	0.00200756	0.43609727	0.99999994
Ppm1d	0.10378249	0.08972686	0.08771994	0.00200692	0.43947951	0.99999994
Cdc40	0.19221945	0.15353876	0.15153965	0.00199911	0.46501351	0.99999994

Col18a1	0.07100872	0.06333034	0.06133356	0.00199678	0.41421913	0.99999994
Dnaaf5	0.04268486	0.03954429	0.03755938	0.00198491	0.36250534	0.99999994
Gm5141	0.01691006	0.01712041	0.01513752	0.00198289	0.19162437	0.99999994
Rbm24	0.02206434	0.02166497	0.01968328	0.00198169	0.25137958	0.99999994
Etnk2	0.0241849	0.02352401	0.02154437	0.00197964	0.2703913	0.99999994
Ssna1	0.58245721	0.34745317	0.34547798	0.00197519	0.48482147	0.99999994
Dusp4	0.04374871	0.04044152	0.03846842	0.0019731	0.36639606	0.99999994
Vdac3-ps1	0.02774486	0.02662755	0.0246569	0.00197065	0.29736444	0.99999994
Srgap2	0.04385916	0.04053236	0.03856273	0.00196963	0.36693562	0.99999994
Sall4	0.0409973	0.0380837	0.03611475	0.00196895	0.35833999	0.99999994
Prr33	0.01572164	0.0160518	0.01408493	0.00196687	0.17631055	0.99999994
Sephs1	0.13796532	0.11545079	0.11348421	0.00196658	0.4540844	0.99999994
Baz2a	0.28693429	0.21240642	0.21044347	0.00196294	0.47524631	0.99999994
Nod1	0.12139751	0.10313788	0.10117643	0.00196145	0.44866183	0.99999994
Ubxn11	0.03194031	0.03026615	0.0283061	0.00196006	0.32242797	0.99999994
Tspyl1	0.30418145	0.22218374	0.22022956	0.00195418	0.47645038	0.99999994
Fnbp1l	0.21107894	0.16595328	0.16400087	0.00195241	0.46841963	0.99999994
Med26	0.05257342	0.04790661	0.04596005	0.00194657	0.38900261	0.99999994
Phpt1	0.41101045	0.27705522	0.27511115	0.00194407	0.48124186	0.99999994
Try5	0.03540101	0.0332441	0.0313009	0.0019432	0.3397173	0.99999994
Rps27rt	0.82070598	0.40900287	0.40706149	0.00194138	0.48733735	0.99999994
Maoa	0.03789933	0.03539333	0.03345433	0.00193899	0.34982293	0.99999994
Slc25a34	0.02152764	0.02113829	0.01921141	0.00192688	0.25218668	0.99999994
Ebf1	0.01119586	0.01198282	0.01006097	0.00192185	0.10177488	0.99999994
Acta1	0.01069643	0.01153472	0.00961541	0.00191932	0.09197901	0.99999994
D16Ert472e	0.01560081	0.01589287	0.01397782	0.00191505	0.18089406	0.99999994
Pth1r	0.01359094	0.01410745	0.01219354	0.00191392	0.14805967	0.99999994
Pard6g	0.09591844	0.08344337	0.08153111	0.00191226	0.43796903	0.99999994
Nkain3	0.00761729	0.0087644	0.00686173	0.00190267	0.03246607	0.93419069
Pot1a	0.06840948	0.06108811	0.05918833	0.00189978	0.41540978	0.99999994

Pgc	0.00750717	0.00866211	0.00676304	0.00189907	0.03080343	0.89605388
Larp7	0.20551764	0.16226454	0.16036597	0.00189857	0.46859404	0.99999994
Lig1	0.06611426	0.05918483	0.05728797	0.00189685	0.4127807	0.99999994
Acer2	0.35204605	0.24788568	0.24599792	0.00188776	0.47963078	0.99999994
Dmd	0.05238295	0.04768091	0.04579927	0.00188164	0.39224468	0.99999994
Gstt1	0.06353292	0.0570203	0.05514393	0.00187637	0.41040849	0.99999994
Gria2	0.02445239	0.02364777	0.02177876	0.001869	0.28392087	0.99999994
E130311K13I	0.08585302	0.07531217	0.07344765	0.00186452	0.43290759	0.99999994
Nr4a2	0.0493491	0.04509653	0.04323289	0.00186364	0.38708078	0.99999994
Bcl11b	0.03982883	0.03697492	0.0351126	0.00186232	0.36202826	0.99999994
Cnn3	0.82583514	0.40970796	0.40785752	0.00185044	0.48795387	0.99999994
Clcn3	0.43210754	0.28671818	0.28486839	0.00184979	0.48276188	0.99999994
Gimap9	0.02881485	0.0274352	0.02558951	0.00184569	0.31557792	0.99999994
Dnaja4	0.18470518	0.14831093	0.14646685	0.00184408	0.46660521	0.99999994
Iqcc	0.16315255	0.1334127	0.13156962	0.00184307	0.46285466	0.99999994
Krt15	0.00989576	0.01074022	0.00890046	0.00183975	0.08442792	0.99999994
Plpp2	0.08846394	0.07739112	0.07555449	0.00183663	0.43572885	0.99999994
Wfikkn1	0.00554929	0.00683286	0.00500586	0.001827	0.00756222	0.35248365
Nptx1	0.03937786	0.03653926	0.0347254	0.00181385	0.3640368	0.99999994
Eya2	0.0582363	0.05253437	0.0507219	0.00181247	0.40599669	0.99999994
Klk10	0.00886905	0.00979054	0.00798256	0.00180799	0.0658269	0.99999994
Gap43	0.01989379	0.01957437	0.01777282	0.00180155	0.24992562	0.99999994
Tst	0.0553742	0.05011819	0.04831961	0.00179858	0.40215726	0.99999994
Elavl2	0.02932111	0.02782381	0.02603032	0.0017935	0.32325181	0.99999994
Orc4	0.2899614	0.21397173	0.21218077	0.00179097	0.47759732	0.99999994
Rps17	2.65175913	0.36611787	0.36432741	0.00179046	0.48695209	0.99999994
Appl1	0.17863036	0.14411115	0.14232078	0.00179036	0.46663337	0.99999994
Sertad2	0.12144989	0.10300531	0.10121586	0.00178944	0.4531602	0.99999994
Pde10a	0.09152338	0.07980041	0.07801429	0.00178612	0.4394374	0.99999994
Gas6	0.04229783	0.03901197	0.03722835	0.00178363	0.37489766	0.99999994

Lrrtm3	0.00547546	0.00672017	0.00493951	0.00178066	0.00820699	0.37272847
Prpf40b	0.08716988	0.07628552	0.07451116	0.00177437	0.43702712	0.99999994
Polr2m	0.86913722	0.41605503	0.4142807	0.00177433	0.48862825	0.99999994
Rnf126	0.23249165	0.17946723	0.17769451	0.00177272	0.47352763	0.99999994
Acsl3	0.05624614	0.05081777	0.04905243	0.00176534	0.40533765	0.99999994
Tmem54	0.01817122	0.01801705	0.0162527	0.00176435	0.23496424	0.99999994
Ednra	0.03072777	0.02901576	0.02725353	0.00176223	0.33345076	0.99999994
Col16a1	0.01220508	0.01272026	0.01096041	0.00175985	0.14258668	0.99999994
Sec61a2	0.21273991	0.16683872	0.16508011	0.0017586	0.47173454	0.99999994
Zc3h8	0.07507874	0.06643266	0.06467817	0.00175449	0.42835523	0.99999994
Clcn2	0.05332248	0.0483462	0.04659196	0.00175425	0.40105378	0.99999994
Ly6g6e	0.03015916	0.02850914	0.02675935	0.00174979	0.33168778	0.99999994
Trim47	0.03239157	0.03044484	0.02869739	0.00174745	0.34262046	0.99999994
Ehbp1	0.09896246	0.08569554	0.08395532	0.00174022	0.445131	0.99999994
Dhrs3	0.01078121	0.01143127	0.00969106	0.00174021	0.1159901	0.99999994
Sema3g	0.02807801	0.02668659	0.02494742	0.00173917	0.32131035	0.99999994
Prcp	0.06053812	0.05438567	0.05264739	0.00173828	0.41302294	0.99999994
Tmem45a	0.03647824	0.03396815	0.0322303	0.00173785	0.35983132	0.99999994
Med4	0.20985656	0.16494091	0.16320477	0.00173615	0.47177478	0.99999994
Tpm3-rs7	0.03226151	0.03032004	0.02858464	0.00173541	0.34306375	0.99999994
Mmrn2	0.02387148	0.02300502	0.02126964	0.00173538	0.29353389	0.99999994
Slc43a1	0.02784388	0.02647745	0.02474326	0.00173418	0.32042006	0.99999994
Leng1	0.155908	0.12817634	0.12644346	0.00173288	0.46365724	0.99999994
Sft2d3	0.095996	0.0833234	0.08159299	0.00173041	0.44386916	0.99999994
Pim1	0.07394395	0.06547657	0.06374741	0.00172915	0.42835869	0.99999994
Igdcc4	0.0165024	0.01650268	0.01477665	0.00172604	0.21842665	0.99999994
Psrc1	0.01009116	0.01079928	0.00907501	0.00172427	0.1029853	0.99999994
Irak2	0.01905481	0.01875215	0.01703288	0.00171927	0.25082992	0.99999994
Gm13373	0.01708362	0.01700579	0.0152911	0.00171468	0.22770766	0.99999994
Peak1	0.03176398	0.02986346	0.02815313	0.00171032	0.34296704	0.99999994

Lym1	0.05918033	0.05321903	0.05151229	0.00170674	0.41272403	0.99999994
C130021I20R	0.03918436	0.0362611	0.0345592	0.0017019	0.37153164	0.99999994
S100a16	0.06760868	0.06022404	0.05852594	0.0016981	0.42342815	0.99999994
Tpmt	0.05119694	0.04649488	0.04479722	0.00169765	0.40042307	0.99999994
Galr2	0.02384407	0.02294078	0.02124561	0.00169517	0.29767273	0.99999994
Acy3	0.04698173	0.04291833	0.04122317	0.00169516	0.39215015	0.99999994
Tinagl1	0.0325167	0.03050082	0.02880585	0.00169497	0.34765186	0.99999994
Ocln	0.13702651	0.11448937	0.11279566	0.00169371	0.46019203	0.99999994
Asf1b	0.01567356	0.01573602	0.01404232	0.0016937	0.21103047	0.99999994
Rap2b	0.06152497	0.05516227	0.05347114	0.00169113	0.41663053	0.99999994
Cenpk	0.01852936	0.01825905	0.01656903	0.00169001	0.24858896	0.99999994
Dok4	0.07519552	0.06646341	0.06477388	0.00168953	0.4310816	0.99999994
Snrnp25	0.1718925	0.13935232	0.13767366	0.00167866	0.46765681	0.99999994
Galt	0.18304189	0.14700816	0.14533567	0.00167248	0.46947104	0.99999994
Frdm8	0.03399599	0.03175661	0.03008669	0.00166992	0.3558957	0.99999994
Stau2	0.2008461	0.15895601	0.15728676	0.00166924	0.47184125	0.99999994
Ypel2	0.17839329	0.14382494	0.14215816	0.00166678	0.46889621	0.99999994
D130040H23	0.00487325	0.00606434	0.00439803	0.00166631	0.00583569	0.28711953
Zdhhc4	0.11357798	0.09691664	0.09525088	0.00166576	0.45366488	0.99999994
Pcdhb19	0.02193052	0.02123027	0.01956565	0.00166461	0.28559087	0.99999994
Taf9b	0.08360425	0.07329124	0.07162736	0.00166388	0.43855866	0.99999994
Rai14	0.01986886	0.01941274	0.01775085	0.00166189	0.26658048	0.99999994
Cdca5	0.01715241	0.01701332	0.01535196	0.00166136	0.23565853	0.99999994
Rabgap1	0.24848933	0.18927986	0.1876193	0.00166056	0.4765105	0.99999994
Zfp513	0.19882546	0.15760661	0.15594772	0.00165889	0.47177576	0.99999994
Baiap2l2	0.01544045	0.01549285	0.01383564	0.00165721	0.21264136	0.99999994
Klk11	0.01320145	0.01350384	0.01184721	0.00165664	0.17598308	0.99999994
Tsga10ip	0.03176581	0.02980955	0.02815472	0.00165483	0.34781174	0.99999994
Faf1	0.170483	0.13834953	0.13669505	0.00165448	0.46789402	0.99999994
Nmb	0.02862209	0.02707569	0.0254216	0.00165409	0.33246955	0.99999994

Ptprz1	0.00965674	0.0103353	0.00868689	0.00164841	0.10327679	0.99999994
Gjc1	0.02168751	0.0209983	0.019352	0.0016463	0.2856067	0.99999994
Gm13305	0.07795682	0.06867644	0.06703267	0.00164377	0.43517007	0.99999994
Myo1b	0.24132552	0.18484562	0.18320686	0.00163876	0.47626087	0.99999994
Eif2b3	0.26716363	0.20052197	0.19888385	0.00163812	0.47813874	0.99999994
Nsg2	0.01693917	0.01680077	0.01516328	0.00163749	0.2361245	0.99999994
Ecscr	0.00760095	0.0084801	0.00684708	0.00163302	0.05619614	0.99999994
Tmem170	0.02365073	0.02270171	0.02107606	0.00162565	0.30382829	0.99999994
Aldh6a1	0.06597332	0.05879404	0.0571711	0.00162294	0.42506326	0.99999994
Camk1g	0.04373558	0.04007828	0.03845722	0.00162107	0.38951563	0.99999994
Eif4b	0.35994743	0.25168003	0.25006316	0.00161687	0.48283523	0.99999994
Foxo3	0.15444067	0.1270129	0.12539781	0.00161509	0.46583972	0.99999994
Trim28	0.40086307	0.27190577	0.27029736	0.00160841	0.4842025	0.99999994
Zscan21	0.11914257	0.10108227	0.09947544	0.00160683	0.45718816	0.99999994
Tekt1	0.02938972	0.02769443	0.02609003	0.0016044	0.34114859	0.99999994
Smad7	0.06021723	0.05397693	0.05237931	0.00159762	0.41955756	0.99999994
Nacc2	0.08713896	0.07608186	0.0744862	0.00159566	0.44330539	0.99999994
Acer3	0.05121192	0.04640261	0.0448099	0.00159272	0.40648642	0.99999994
Gmfg	0.01474597	0.01480412	0.01321952	0.0015846	0.21246773	0.99999994
P3h4	0.24561076	0.18743238	0.18585234	0.00158004	0.47743609	0.99999994
Rbm8a2	0.0354615	0.0329327	0.03135312	0.00157958	0.36868057	0.99999994
Zkscan14	0.08973722	0.07815635	0.07657939	0.00157696	0.44548738	0.99999994
Me1	0.06045812	0.05415613	0.05258057	0.00157556	0.42095328	0.99999994
Gpt2	0.0493425	0.04480242	0.0432273	0.00157512	0.40417909	0.99999994
Kansl1l	0.0581462	0.05221856	0.05064641	0.00157215	0.41815141	0.99999994
Cyp7b1	0.02781844	0.02629005	0.02472107	0.00156898	0.336344	0.99999994
Surf2	0.16798826	0.13652418	0.13495753	0.00156665	0.46920436	0.99999994
Proca1	0.01321107	0.01342084	0.01185576	0.00156507	0.1897812	0.99999994
Akap1	0.0319386	0.02986946	0.02830461	0.00156484	0.35643583	0.99999994
Nrk	0.00801273	0.0087743	0.00721601	0.00155829	0.07529777	0.99999994

Pwwp2a	0.13068757	0.10967502	0.10811902	0.00155599	0.46184173	0.99999994
Macc1	0.0083662	0.00908255	0.00753253	0.00155002	0.08538606	0.99999994
Gm14226	0.01099541	0.0114242	0.00988217	0.00154202	0.14948051	0.99999994
Phtf1	0.11810551	0.10023217	0.09869105	0.00154112	0.45860737	0.99999994
Trim59	0.036379	0.03368384	0.03214473	0.00153911	0.37497291	0.99999994
Kynu	0.0132268	0.01340777	0.01186976	0.00153801	0.1942094	0.99999994
Snpc5	0.31852964	0.2296954	0.22816502	0.00153038	0.48219455	0.99999994
Pter	0.02343843	0.02241832	0.02088984	0.00152848	0.31311584	0.99999994
Ccdc90b	0.25545574	0.1933864	0.19186151	0.00152488	0.47890435	0.99999994
Zfp277	0.16698163	0.13577911	0.13425445	0.00152466	0.46987153	0.99999994
Cmtm7	0.05071684	0.04591538	0.04439115	0.00152423	0.40960758	0.99999994
Pnma1	0.01339014	0.01353722	0.01201501	0.00152221	0.19952831	0.99999994
Ckm	0.0059209	0.00686091	0.00533973	0.00152117	0.02896324	0.86317853
Adat2	0.05062987	0.04583772	0.04431757	0.00152016	0.40969769	0.99999994
Snai2	0.0146222	0.01462973	0.01310965	0.00152008	0.22011295	0.99999994
Riok1	0.14289878	0.11860423	0.11708542	0.00151881	0.46559607	0.99999994
Hic2	0.03436793	0.03191817	0.03040835	0.00150983	0.37051111	0.99999994
Cdyl	0.03248102	0.03028134	0.02877492	0.00150641	0.36374347	0.99999994
Tcea2	0.04507333	0.04110321	0.03959851	0.0015047	0.40015947	0.99999994
Rnf2	0.22274173	0.17302231	0.17151866	0.00150365	0.47673318	0.99999994
Bcl10	0.26509352	0.19915333	0.19765171	0.00150162	0.47983392	0.99999994
Vpreb3	0.00136791	0.00273837	0.00123746	0.0015009	3.42E-16	9.56E-14
Pah	0.02031358	0.01964268	0.01814274	0.00149994	0.29105355	0.99999994
Cbx2	0.04426333	0.04040667	0.03890771	0.00149896	0.39880427	0.99999994
Vnn1	0.02263033	0.02167935	0.02018054	0.00149881	0.31052299	0.99999994
Cops6	0.96910246	0.42583196	0.42433507	0.00149689	0.49063331	0.99999994
Flad1	0.13776866	0.11483656	0.11334006	0.0014965	0.46498278	0.99999994
Syt17	0.06810544	0.06042926	0.05893692	0.00149234	0.4330769	0.99999994
Cgnl1	0.02776819	0.02616949	0.02467725	0.00149225	0.34365315	0.99999994
Cdyl2	0.03731571	0.03444082	0.03295192	0.0014889	0.38179854	0.99999994

Akna	0.01067522	0.01108533	0.00959647	0.00148886	0.15086918	0.99999994
Tmem222	0.21034927	0.16501368	0.16352584	0.00148783	0.47585377	0.99999994
Smndc1	0.27364263	0.20419507	0.20271268	0.0014824	0.48058851	0.99999994
Crb3	0.46722854	0.30186851	0.30038697	0.00148154	0.48690511	0.99999994
Rsf1	0.43567627	0.28796499	0.28648629	0.0014787	0.48629632	0.99999994
Adgrg1	0.3390354	0.24066724	0.23919022	0.00147702	0.48360665	0.99999994
Lrch2	0.03656839	0.03378348	0.03230802	0.00147546	0.38056914	0.99999994
Cenpq	0.08157865	0.0714579	0.0699832	0.0014747	0.44422566	0.99999994
Trap1	0.20714679	0.16290877	0.16143441	0.00147437	0.47576246	0.99999994
Tpp1	0.18937344	0.15109558	0.14962558	0.00147	0.47392959	0.99999994
Ccnb1	0.02079007	0.0200256	0.01856238	0.00146322	0.2998948	0.99999994
Gk	0.01347543	0.01355107	0.01209085	0.00146022	0.21072936	0.99999994
Nsmf	0.10991639	0.09390994	0.09244982	0.00146012	0.4581371	0.99999994
Col26a1	0.02513777	0.02383422	0.02237894	0.00145529	0.33255889	0.99999994
Ltk	0.02185567	0.02095121	0.01949985	0.00145135	0.31014978	0.99999994
Brms1l	0.11858957	0.10050721	0.09905734	0.00144987	0.46119361	0.99999994
Plk4	0.02312066	0.02205957	0.02061101	0.00144856	0.31995897	0.99999994
Dnph1	0.05193448	0.04686525	0.04542055	0.0014447	0.41616253	0.99999994
Ccdc180	0.0124505	0.01262001	0.01117895	0.00144106	0.19543028	0.99999994
Znrf1	0.14747191	0.12183647	0.12039781	0.00143866	0.46830217	0.99999994
Shox2	0.03291963	0.03059203	0.02915497	0.00143706	0.37142041	0.99999994
Zfp296	0.01289977	0.01300132	0.01157883	0.00142249	0.20674941	0.99999994
Sbsn	0.03158676	0.02941875	0.02799936	0.00141939	0.36789466	0.99999994
Lin7a	0.00789091	0.00852619	0.00710689	0.0014193	0.0918702	0.99999994
Rchy1	0.5111494	0.32000051	0.31858335	0.00141716	0.48818922	0.99999994
Gm28050	0.01456249	0.01447369	0.01305665	0.00141704	0.23501992	0.99999994
Actr3	0.7858102	0.40225591	0.4008419	0.00141401	0.49063332	0.99999994
Kcnh7	0.02164766	0.02072552	0.01931696	0.00140856	0.31370703	0.99999994
Nrsn1	0.0069639	0.00768128	0.00627592	0.00140536	0.06803999	0.99999994
Slc17a5	0.1753401	0.14146144	0.14005799	0.00140345	0.47341023	0.99999994

1700016K19I	0.05138936	0.04636309	0.04495991	0.00140318	0.41771497	0.99999994
Creb3l4	0.0166428	0.01630388	0.01490095	0.00140293	0.26542879	0.99999994
Gm3739	0.00804077	0.00864402	0.00724112	0.0014029	0.09859341	0.99999994
Nradd	0.03615298	0.03335019	0.03194982	0.00140037	0.38523876	0.99999994
Prtn3	0.03119578	0.02905977	0.02765999	0.00139978	0.36811261	0.99999994
Tstd3	0.04920047	0.04450623	0.0431069	0.00139933	0.41446387	0.99999994
Klf16	0.030774	0.02869102	0.02729369	0.00139733	0.36663454	0.99999994
Zfp821	0.13635636	0.11369961	0.11230352	0.00139609	0.467026	0.99999994
Nek6	0.08128565	0.07113905	0.06974502	0.00139403	0.4470791	0.99999994
Sbk1	0.20295449	0.16007126	0.15867934	0.00139191	0.4767195	0.99999994
Cept1	0.13664542	0.11390183	0.11251586	0.00138597	0.46732625	0.99999994
Amotl1	0.13206353	0.11052292	0.10913824	0.00138468	0.46634855	0.99999994
Sec14l2	0.01214269	0.01228331	0.01090485	0.00137846	0.20005667	0.99999994
Ppp2r3c	0.22520502	0.17446416	0.17308807	0.00137609	0.47889799	0.99999994
Pdk2	0.13183543	0.11034138	0.10896944	0.00137194	0.46660607	0.99999994
Cd248	0.00901945	0.00948231	0.00811171	0.00136521	0.13145651	0.99999994
Ist1	0.21192609	0.16591299	0.16455168	0.00136131	0.47804249	0.99999994
Akap5	0.01973991	0.01899773	0.01763717	0.00136056	0.30380701	0.99999994
Zfp820	0.02222898	0.02118412	0.01982797	0.00135616	0.32445794	0.99999994
Klk1b9	0.00646846	0.00718162	0.00583139	0.00135023	0.06162762	0.99999994
Gdi1	0.93003644	0.42248149	0.42113203	0.00134945	0.4914915	0.99999994
Setmar	0.02476504	0.02340195	0.02205261	0.00134933	0.34190026	0.99999994
1110019D14I	0.03483579	0.03216152	0.03081271	0.00134881	0.38538119	0.99999994
Tada2a	0.06058115	0.05403206	0.05268334	0.00134873	0.43234495	0.99999994
Gbe1	0.0627197	0.05581466	0.05446697	0.00134768	0.43459038	0.99999994
Gm43672	0.02531525	0.02387978	0.02253426	0.00134553	0.34551679	0.99999994
Palm3	0.0102505	0.01056159	0.00921732	0.00134426	0.16583122	0.99999994
Slc18a2	0.00649246	0.00719432	0.00585293	0.0013414	0.06356351	0.99999994
Mrpl27	0.48115927	0.30764149	0.30630017	0.00134132	0.48837292	0.99999994
Dhx8	0.08913491	0.07743501	0.07609478	0.00134023	0.45333646	0.99999994

Uba7	0.01051544	0.01079074	0.00945386	0.00133688	0.17328077	0.99999994
Tinf2	0.02122275	0.02028137	0.01894737	0.001334	0.31966207	0.99999994
Prmt3	0.08932443	0.07757668	0.0762473	0.00132938	0.45380473	0.99999994
Smtn	0.0150755	0.01483908	0.01351194	0.00132714	0.2566243	0.99999994
D030040B21	0.00918727	0.00959288	0.00826719	0.00132569	0.14289946	0.99999994
Tmem67	0.06328346	0.0562604	0.05493634	0.00132406	0.43627133	0.99999994
Armcx6	0.08165714	0.07137011	0.07004699	0.00132312	0.44997189	0.99999994
Ppp4c	0.8019272	0.40517461	0.40385161	0.001323	0.49130138	0.99999994
Rnf138	0.27135267	0.20268586	0.20136404	0.00132182	0.48257395	0.99999994
RbmX	0.25847058	0.1950028	0.19368234	0.00132046	0.48190188	0.99999994
Pxdn	0.04718752	0.04271494	0.04139812	0.00131682	0.41615912	0.99999994
Cep126	0.05957594	0.05315964	0.05184323	0.00131641	0.43289061	0.99999994
Crabp1	0.00637138	0.00705978	0.00574425	0.00131553	0.06370158	0.99999994
Gata4	0.01263044	0.01265444	0.01133914	0.0013153	0.22002356	0.99999994
Fdxr	0.08685612	0.07557064	0.07425792	0.00131272	0.45316447	0.99999994
Sox10	0.00464477	0.00550255	0.00419248	0.00131007	0.01876371	0.64463872
Lefty1	0.03241953	0.03002812	0.02872163	0.00130649	0.38102714	0.99999994
Spred3	0.03109073	0.02887183	0.02756878	0.00130305	0.37652645	0.99999994
Fam114a2	0.45757366	0.29751184	0.29620886	0.00130298	0.48832048	0.99999994
Smtnl2	0.03620523	0.03329437	0.03199488	0.00129949	0.39344446	0.99999994
Ap4m1	0.16841309	0.13655239	0.1352539	0.00129849	0.47452357	0.99999994
Tet3	0.25899777	0.1952961	0.19399984	0.00129626	0.48226236	0.99999994
Rps6ka1	0.06761856	0.05982686	0.05853412	0.00129274	0.44156312	0.99999994
Tmprss6	0.01740167	0.01686297	0.01557245	0.00129052	0.29060196	0.99999994
Otop1	0.00467675	0.00551142	0.00422126	0.00129016	0.02095527	0.69426319
Padi3	0.00830174	0.0087641	0.00747482	0.00128927	0.12546343	0.99999994
Celf6	0.04453966	0.04043228	0.03914345	0.00128883	0.41326034	0.99999994
Cryz	0.09285886	0.08036947	0.07908501	0.00128447	0.45695425	0.99999994
B930036N10	0.03399756	0.03137225	0.03008805	0.0012842	0.38816544	0.99999994
Ckap4	0.13241289	0.11067814	0.10939667	0.00128148	0.46892485	0.99999994

Chn2	0.01715882	0.01663671	0.01535764	0.00127908	0.28965861	0.99999994
Dusp26	0.03605659	0.03313712	0.03186667	0.00127044	0.39536143	0.99999994
Cnot6	0.29477057	0.21619395	0.21492368	0.00127027	0.48430914	0.99999994
Picalm	0.24949108	0.18950117	0.18823231	0.00126886	0.48210545	0.99999994
Gm26910	0.0100197	0.01027823	0.00901119	0.00126704	0.17465327	0.99999994
Fhl3	0.01490466	0.01462597	0.01336036	0.00126561	0.26416776	0.99999994
Hoxa3	0.0043802	0.00521391	0.00395439	0.00125953	0.01699693	0.60693149
Rfwd3	0.09973385	0.08582565	0.08456814	0.0012575	0.46057782	0.99999994
lws1	0.23793444	0.18235793	0.18110052	0.00125741	0.48156895	0.99999994
Mctp2	0.00528304	0.00602373	0.00476654	0.00125719	0.03957582	0.99999994
Chrna3	0.00770553	0.0081953	0.0069408	0.0012545	0.11447051	0.99999994
Arap2	0.00983859	0.01010195	0.00884939	0.00125256	0.17305704	0.99999994
Ctss	0.01026097	0.01047405	0.00922667	0.00124738	0.18408823	0.99999994
Derl3	0.17301415	0.13969734	0.13845083	0.00124651	0.47610608	0.99999994
Eif2s3x	0.19544149	0.15494063	0.15369549	0.00124514	0.47849734	0.99999994
Kcnh8	0.0811274	0.07086102	0.06961634	0.00124468	0.45263387	0.99999994
Plac1	0.01454532	0.01428559	0.0130414	0.00124419	0.26270175	0.99999994
Gpr153	0.0131682	0.01305928	0.01181763	0.00124165	0.24216129	0.99999994
Chtf18	0.01312133	0.01301663	0.01177594	0.00124069	0.24155744	0.99999994
Sft2d1	0.20153866	0.15898226	0.15774471	0.00123755	0.47917631	0.99999994
Tfap2b	0.00294287	0.00389378	0.00265938	0.00123441	0.0010018	0.07066263
Dynlrb2	0.05708965	0.05099438	0.04976055	0.00123384	0.43445325	0.99999994
Cdk6	0.02946624	0.02738285	0.02615662	0.00122623	0.37750092	0.99999994
Mms22l	0.01524923	0.01489157	0.01366605	0.00122551	0.27528226	0.99999994
Stk24	0.08709157	0.07566829	0.07444796	0.00122033	0.45655781	0.99999994
Cenpf	0.02277459	0.02152613	0.02030721	0.00121892	0.34474744	0.99999994
Apcs	0.01094183	0.01105307	0.00983437	0.0012187	0.20472192	0.99999994
Rmdn1	0.19211378	0.1526866	0.15146875	0.00121786	0.47865913	0.99999994
Mcoln3	0.04018516	0.03663245	0.03541838	0.00121407	0.40975837	0.99999994
Brf2	0.0502724	0.04522871	0.04401502	0.00121369	0.4271848	0.99999994

Tnfrsf12a	0.14878366	0.12255427	0.12134328	0.00121099	0.47351793	0.99999994
Fst	0.00102423	0.00213479	0.00092677	0.00120802	2.04E-18	6.51E-16
Ubqln4	0.08694857	0.07553896	0.07433255	0.00120641	0.45698508	0.99999994
Pcdhb5	0.01010851	0.01029607	0.00909051	0.00120556	0.18868543	0.99999994
Lmx1b	0.05718444	0.05104425	0.04984007	0.00120418	0.43611607	0.99999994
Cdh3	0.01406303	0.01381411	0.01261307	0.00120104	0.26309564	0.99999994
Klf7	0.32888303	0.23497635	0.2337778	0.00119855	0.48638816	0.99999994
Gimap6	0.01829233	0.01755621	0.01635969	0.00119652	0.31318765	0.99999994
Cdca7l	0.02393602	0.02252206	0.02132622	0.00119583	0.35448308	0.99999994
Chrna7	0.00261729	0.003559	0.00236568	0.00119331	0.00039305	0.0311723
Kctd20	0.22973559	0.17715023	0.17595849	0.00119173	0.48202091	0.99999994
Mars2	0.01376409	0.01353904	0.01234744	0.00119159	0.26031555	0.99999994
2010308F09I	0.01783374	0.01714404	0.01595446	0.00118958	0.30984046	0.99999994
Pls1	0.03276234	0.03020642	0.02901871	0.00118772	0.39264172	0.99999994
Mmp2	0.00674466	0.00726642	0.00607924	0.00118717	0.09682198	0.99999994
Dock10	0.01646873	0.01592118	0.01474683	0.00117435	0.29803101	0.99999994
Gabrb3	0.02259652	0.02132505	0.02015084	0.0011742	0.34905598	0.99999994
Galm	0.02733566	0.02547346	0.02429988	0.00117358	0.37392617	0.99999994
Nt5e	0.016021	0.0155185	0.01435024	0.00116826	0.29394416	0.99999994
Celf2	0.15597919	0.12766098	0.12649413	0.00116686	0.47551947	0.99999994
Pcdh7	0.00624585	0.00679765	0.00563155	0.0011661	0.08405445	0.99999994
Prc1	0.01197348	0.01192013	0.01075411	0.00116601	0.23523515	0.99999994
Cdk5rap2	0.05351824	0.04791784	0.046757	0.00116084	0.43437026	0.99999994
Ebf2	0.00522389	0.00587209	0.00471337	0.00115873	0.05087927	0.99999994
Adrb2	0.01558153	0.01511877	0.01396072	0.00115804	0.29042442	0.99999994
Pld1	0.02357777	0.0221657	0.02101207	0.00115363	0.35738581	0.99999994
C130013H08	0.02737117	0.02548361	0.02433087	0.00115274	0.37624272	0.99999994
Pank1	0.05303538	0.04750058	0.04634983	0.00115075	0.43436925	0.99999994
Raph1	0.07015731	0.06178159	0.06063166	0.00114993	0.4497696	0.99999994
Zbtb18	0.06946591	0.0612108	0.0600611	0.0011497	0.44930528	0.99999994

Ccdc125	0.0415692	0.03775364	0.03660469	0.00114895	0.41725166	0.99999994
Tead3	0.02540455	0.02375798	0.0226124	0.00114559	0.36797429	0.99999994
Adamts10	0.01995154	0.01896743	0.01782373	0.00114371	0.33464504	0.99999994
Ccdc103	0.02187488	0.02065607	0.01951675	0.00113932	0.34879523	0.99999994
Brwd3	0.08711487	0.07560509	0.07446676	0.00113832	0.45947703	0.99999994
Sla2	0.01081341	0.0108575	0.0097198	0.00113771	0.21795195	0.99999994
Zfp867	0.03134431	0.02892569	0.02778894	0.00113675	0.39270046	0.99999994
Aggf1	0.17830599	0.14323339	0.14209826	0.00113513	0.47879689	0.99999994
Bhlhe22	0.0056814	0.00625533	0.00512457	0.00113076	0.07094975	0.99999994
Mthfs	0.15392883	0.12616135	0.12503249	0.00112886	0.47603911	0.99999994
Slc31a2	0.24621411	0.18735128	0.18622337	0.00112791	0.48392055	0.99999994
Cdh16	0.00961118	0.00977266	0.00864617	0.00112648	0.19290655	0.99999994
Nr2f2	0.01807922	0.01729525	0.01617141	0.00112385	0.32182927	0.99999994
Gm15611	0.00114819	0.00216111	0.00103885	0.00112226	3.22E-13	7.66E-11
Nfatc4	0.01529714	0.01482731	0.01370854	0.00111877	0.29348524	0.99999994
Pxn	0.04239396	0.03842806	0.03731058	0.00111748	0.42098938	0.99999994
Clvs1	0.00839244	0.00867293	0.00755602	0.00111691	0.16257629	0.99999994
Sybu	0.01398747	0.01366222	0.01254594	0.00111628	0.27684155	0.99999994
Fastkd2	0.06968319	0.0613566	0.06024046	0.00111614	0.45092329	0.99999994
Gem	0.08440966	0.07339498	0.07227991	0.00111507	0.45910518	0.99999994
Fbxo30	0.05611434	0.05005255	0.04894171	0.00111084	0.4399558	0.99999994
Lypd6b	0.01103619	0.01102566	0.00991855	0.00110711	0.22874634	0.99999994
Ddx27	0.15045554	0.12364968	0.12254542	0.00110427	0.4760854	0.99999994
Otud5	0.2105835	0.16477669	0.16367839	0.0010983	0.48218721	0.99999994
Myl9	0.01833303	0.01749225	0.01639564	0.00109661	0.32808554	0.99999994
Siah1b	0.07515966	0.06583402	0.0647445	0.00108952	0.45540632	0.99999994
Pcdh15	0.01159186	0.01150324	0.01041404	0.0010892	0.24315572	0.99999994
1700124L16F	0.00332612	0.00409283	0.00300493	0.0010879	0.0079793	0.36342269
Lpar2	0.01586416	0.01529736	0.01421125	0.00108611	0.30547451	0.99999994
Epha3	0.00992417	0.01001073	0.00892585	0.00108488	0.20924604	0.99999994

Rimklb	0.0156481	0.01510427	0.01401974	0.00108453	0.30330502	0.99999994
Slc13a4	0.00599857	0.00649306	0.0054095	0.00108356	0.09121418	0.99999994
Timeless	0.03178551	0.02925495	0.02817181	0.00108313	0.39900626	0.99999994
Sass6	0.04587064	0.04135448	0.04027778	0.0010767	0.42938617	0.99999994
Trip13	0.01555963	0.01501771	0.01394131	0.0010764	0.30364911	0.99999994
Otop2	0.00337857	0.00412805	0.0030522	0.00107585	0.00948151	0.41984649
Prpf4b	0.42430706	0.28237493	0.28129993	0.00107499	0.48985306	0.99999994
Col4a2	0.03061979	0.02823454	0.02715971	0.00107483	0.3961127	0.99999994
Syce1	0.01302136	0.01276071	0.01168701	0.0010737	0.27042548	0.99999994
Cntrl	0.09038327	0.07817055	0.07709877	0.00107178	0.46313742	0.99999994
Rcbtb2	0.17458174	0.14060529	0.13953465	0.00107064	0.47963329	0.99999994
Coil	0.10433109	0.08921528	0.08814489	0.00107039	0.46778797	0.99999994
Irs4	0.00356684	0.00429025	0.00322188	0.00106838	0.01364804	0.53455393
Slco2a1	0.03029375	0.0279424	0.02687636	0.00106604	0.39588129	0.99999994
Tmem91	0.01286735	0.0126141	0.01154998	0.00106412	0.26985168	0.99999994
Jkamp	0.50942881	0.31895804	0.31789476	0.00106328	0.49111876	0.99999994
Xlr4c	0.00965223	0.00974101	0.00868286	0.00105815	0.20862864	0.99999994
G430095P16	0.01168673	0.0115566	0.01049859	0.00105801	0.25117281	0.99999994
Tbrg4	0.05768364	0.05131266	0.05025873	0.00105393	0.44449437	0.99999994
Xpc	0.10038007	0.08612966	0.08507587	0.00105379	0.46714479	0.99999994
Bmf	0.04697533	0.04227005	0.04121774	0.00105232	0.43252804	0.99999994
Rgs12	0.04270022	0.03862474	0.03757251	0.00105222	0.42606082	0.99999994
Akap7	0.04017434	0.03645662	0.03540909	0.00104752	0.42194581	0.99999994
Galnt3	0.02397349	0.0224062	0.02135907	0.00104713	0.37208758	0.99999994
Prss41	0.00860419	0.00879183	0.00774556	0.00104627	0.18428863	0.99999994
Trp53rkb	0.10577319	0.09030592	0.08926016	0.00104576	0.46891986	0.99999994
Cenpj	0.05415941	0.04834244	0.04729726	0.00104519	0.44152903	0.99999994
Nudt4	0.12225661	0.10286753	0.10182284	0.00104469	0.472776	0.99999994
Adora2a	0.03192088	0.02932459	0.02828924	0.00103534	0.40376538	0.99999994
Prtg	0.00576009	0.00623016	0.00519527	0.00103488	0.09243189	0.99999994

Madcam1	0.00893025	0.00907113	0.00803731	0.00103382	0.19594662	0.99999994
Lrrcc1	0.098954	0.08498232	0.08394859	0.00103373	0.46733705	0.99999994
Ajap1	0.01035732	0.01034595	0.0093127	0.00103325	0.23009812	0.99999994
Dnajb5	0.03092356	0.02845664	0.0274236	0.00103304	0.40100638	0.99999994
Zfp382	0.00629942	0.0067121	0.00567964	0.00103245	0.11313942	0.99999994
Hoxb2	0.00834182	0.00854146	0.00751071	0.00103075	0.18049006	0.99999994
Sntb2	0.0757191	0.06623234	0.0652028	0.00102954	0.45814706	0.99999994
Foxc1	0.00814634	0.0083626	0.00733567	0.00102693	0.17571122	0.99999994
Prl	0.01484294	0.01433105	0.01330558	0.00102547	0.30397193	0.99999994
Fgf18	0.00382001	0.00447439	0.00344997	0.00102442	0.02404859	0.76825358
Zbtb12	0.09978746	0.08563381	0.08461071	0.0010231	0.46792481	0.99999994
Mad2l1	0.03523296	0.03217586	0.03115579	0.00102007	0.41373997	0.99999994
Sfn	0.00888615	0.00901691	0.00799786	0.00101906	0.19818287	0.99999994
Rhod	0.02795902	0.02586245	0.02484367	0.00101879	0.39244075	0.99999994
Gldc	0.02470386	0.02301749	0.02199903	0.00101846	0.37898003	0.99999994
Krtap4-16	0.0059884	0.00641862	0.00540036	0.00101826	0.10472476	0.99999994
Trpv2	0.01015665	0.01015067	0.00913351	0.00101716	0.22925775	0.99999994
Pthlh	0.00910751	0.00921296	0.00819586	0.0010171	0.20438824	0.99999994
Rara	0.0349615	0.03193508	0.03092132	0.00101376	0.41362515	0.99999994
Sirt5	0.07803509	0.06810687	0.06709658	0.00101029	0.46008229	0.99999994
Tut1	0.05846206	0.0519202	0.05091101	0.00100919	0.44751306	0.99999994
Smpd3	0.17653549	0.14188982	0.14088162	0.00100821	0.48100332	0.99999994
Ncam2	0.00736722	0.00764306	0.00663759	0.00100547	0.15665155	0.99999994
Xlr4a	0.00852039	0.00867453	0.00767056	0.00100397	0.19181637	0.99999994
Nadk2	0.03532973	0.03223893	0.03123935	0.00099958	0.41566875	0.99999994
Reep5	0.64409699	0.36724144	0.36624256	0.00099887	0.4927579	0.99999994
Nup62cl	0.00386905	0.00449082	0.00349414	0.00099668	0.02880271	0.86317853
Trim71	0.00946427	0.00950975	0.00851486	0.00099489	0.21836013	0.99999994
Bbof1	0.02440389	0.02272962	0.02173627	0.00099334	0.38049005	0.99999994
Map4k1	0.00993016	0.00991866	0.0089312	0.00098746	0.23088213	0.99999994

Rpl9-ps1	0.00638347	0.00673812	0.00575509	0.00098303	0.12777455	0.99999994
Tmem29	0.20571949	0.16148042	0.1604985	0.00098192	0.48375827	0.99999994
Gm5422	0.00740104	0.00764859	0.0066679	0.00098069	0.16379266	0.99999994
Sema3a	0.0046471	0.00517207	0.00419458	0.00097749	0.06042973	0.99999994
Il1rap	0.023933	0.0222984	0.02132358	0.00097483	0.38044903	0.99999994
Prss27	0.01130232	0.01113062	0.0101559	0.00097472	0.26146057	0.99999994
Ing2	0.32359184	0.23189523	0.23092086	0.00097437	0.48879653	0.99999994
Ston2	0.02564593	0.02379755	0.02282357	0.00097398	0.38818433	0.99999994
Srfbp1	0.04668218	0.0419421	0.04096844	0.00097366	0.43715128	0.99999994
Mgll	0.01761798	0.01673641	0.01576373	0.00097268	0.34063858	0.99999994
Prr29	0.01714784	0.01631954	0.01534792	0.00097163	0.33673451	0.99999994
Rtn4rl1	0.02727219	0.02521488	0.02424449	0.00097039	0.39495682	0.99999994
BC055324	0.01103483	0.01087958	0.00991734	0.00096225	0.2591901	0.99999994
Ifngr1	0.14493595	0.1195258	0.11856411	0.00096169	0.47847128	0.99999994
Zbtb16	0.01062956	0.01051683	0.00955573	0.0009611	0.25159216	0.99999994
Ppp1r16b	0.008225	0.00836688	0.00740611	0.00096077	0.19392998	0.99999994
Tbc1d25	0.03713392	0.03375605	0.03279535	0.0009607	0.42270007	0.99999994
Abhd2	0.12556719	0.10526586	0.10430542	0.00096044	0.47556366	0.99999994
Acrbp	0.02531355	0.02348994	0.02253277	0.00095716	0.38868281	0.99999994
Nudt10	0.02595555	0.02405117	0.02309433	0.00095684	0.39135636	0.99999994
Slc29a4	0.17969025	0.14400207	0.14304708	0.000955	0.48227744	0.99999994
2610037D02	0.04228445	0.03817072	0.03721691	0.00095381	0.43227235	0.99999994
Actr5	0.0356066	0.03243098	0.03147838	0.0009526	0.42017887	0.99999994
Mag	0.01953529	0.01840884	0.01745674	0.0009521	0.35828711	0.99999994
Exd2	0.04529582	0.04073716	0.03978814	0.00094903	0.43692601	0.99999994
Pgp	0.46884777	0.30202818	0.30108143	0.00094675	0.49165037	0.99999994
Tmx2	0.34139125	0.24137721	0.24043368	0.00094353	0.48958024	0.99999994
Col11a2	0.03786946	0.03437198	0.03342863	0.00094334	0.42550102	0.99999994
Adamts5	0.00413296	0.00467222	0.00373181	0.00094041	0.04673301	0.99999994
Tatdn3	0.05923211	0.05249464	0.05155561	0.00093903	0.45175132	0.99999994

Trpv6	0.00941706	0.00940979	0.00847265	0.00093714	0.23079114	0.99999994
Fgfbp1	0.00305329	0.00369568	0.00275896	0.00093672	0.01191153	0.50100705
Cdc7	0.01091302	0.01074451	0.00980866	0.00093584	0.26268705	0.99999994
Nhej1	0.03550857	0.0323296	0.03139376	0.00093583	0.42135711	0.99999994
Enpp3	0.01328634	0.01285491	0.0119227	0.00093221	0.30137602	0.99999994
Zfp467	0.0778833	0.06790365	0.06697264	0.00093101	0.46313754	0.99999994
Acan	0.00254763	0.00323376	0.00230283	0.00093093	0.00356337	0.20071964
Psg16	0.00471003	0.00517983	0.00425121	0.00092862	0.07297408	0.99999994
Uba2	0.44023775	0.28946878	0.2885403	0.00092848	0.49145562	0.99999994
Sstr2	0.01671861	0.01589423	0.01496807	0.00092616	0.34021794	0.99999994
Tfap2c	0.00572924	0.00609264	0.00516755	0.00092508	0.11670811	0.99999994
Alpl	0.00613428	0.00645495	0.00553137	0.00092358	0.1331923	0.99999994
Vill	0.01086809	0.01068969	0.00976859	0.0009211	0.26511898	0.99999994
Zcwpw1	0.02015473	0.0189225	0.01800279	0.00091971	0.36690765	0.99999994
Ggt5	0.00823032	0.00832803	0.00741087	0.00091715	0.20503343	0.99999994
Atpaf2	0.14807216	0.1217468	0.1208307	0.0009161	0.47987533	0.99999994
Aurka	0.0274088	0.02527855	0.02436371	0.00091483	0.40131689	0.99999994
Dbf4	0.02773014	0.02555631	0.02464406	0.00091225	0.40268653	0.99999994
Vgll4	0.16984517	0.13716187	0.13625148	0.00091039	0.48226261	0.99999994
Dcp1b	0.07239202	0.0633824	0.0624723	0.0009101	0.46137496	0.99999994
Spdef	0.01458253	0.01398262	0.01307444	0.00090818	0.32190885	0.99999994
Mob3b	0.01477296	0.01415153	0.01324348	0.00090805	0.32405208	0.99999994
Dpysl3	0.01814583	0.01713791	0.01623026	0.00090765	0.35485511	0.99999994
Rbms2	0.05771989	0.05119307	0.05028911	0.00090396	0.4523803	0.99999994
Ldhb	0.05621817	0.04993174	0.04902893	0.00090281	0.45122405	0.99999994
Als2cl	0.00780279	0.00792937	0.00702794	0.00090143	0.19661554	0.99999994
Ppp2r3d	0.18099205	0.14483714	0.14393745	0.00089969	0.48340635	0.99999994
Dnajc22	0.0260488	0.02407461	0.02317586	0.00089875	0.39815266	0.99999994
Lym9	0.22721747	0.17526417	0.17436566	0.00089851	0.48631877	0.99999994
Trit1	0.13012236	0.10859442	0.10769962	0.0008948	0.47794864	0.99999994

Gpr157	0.00695359	0.00716147	0.00626667	0.00089479	0.17094556	0.99999994
Mycn	0.01432833	0.013743	0.01284872	0.00089428	0.321579	0.99999994
4933429H19	0.00568967	0.00602613	0.005132	0.00089413	0.12308355	0.99999994
Dars	0.40553546	0.27341698	0.27252403	0.00089296	0.49129962	0.99999994
Nrg1	0.01461866	0.01399929	0.01310651	0.00089278	0.32512555	0.99999994
Msh2	0.16266196	0.1321153	0.13122444	0.00089086	0.48197833	0.99999994
Rdh10	0.0143936	0.01379687	0.01290669	0.00089018	0.32308432	0.99999994
Asap3	0.00933355	0.00928763	0.008398	0.00088963	0.24036293	0.99999994
Esrp2	0.07359797	0.06434681	0.06346336	0.00088344	0.46308684	0.99999994
Egfl6	0.01319316	0.01272182	0.01183983	0.00088199	0.30999933	0.99999994
Trim7	0.02760344	0.02541485	0.02453354	0.00088131	0.40550855	0.99999994
Mterf4	0.15357045	0.12565634	0.12477651	0.00087983	0.48128224	0.99999994
Zfp442	0.04577431	0.04107484	0.04019575	0.00087909	0.44212825	0.99999994
Kcnd2	0.00576732	0.00608077	0.00520177	0.000879	0.13033858	0.99999994
Ptpn18	0.03998674	0.03612699	0.03524813	0.00087886	0.43409158	0.99999994
Ascl1	0.00785271	0.00795152	0.00707267	0.00087885	0.20408397	0.99999994
Art5	0.0034103	0.00395927	0.0030808	0.00087847	0.02884672	0.86317853
Fen1	0.11081413	0.09401618	0.09313812	0.00087806	0.47498162	0.99999994
Acot2	0.03612341	0.03280203	0.03192431	0.00087772	0.42739532	0.99999994
Gimd1	0.00514806	0.00552216	0.00464519	0.00087697	0.10443688	0.99999994
Gpr39	0.03475649	0.03161939	0.03074419	0.00087519	0.42485575	0.99999994
Wnt7b	0.00516407	0.00553322	0.00465958	0.00087363	0.10601327	0.99999994
Morn4	0.04259194	0.0383516	0.03747992	0.00087168	0.43848594	0.99999994
Dvl3	0.06113062	0.05401304	0.05314209	0.00087095	0.4565647	0.99999994
Praf2	0.10659713	0.09076554	0.08989619	0.00086935	0.47433738	0.99999994
Shc2	0.05843284	0.05174894	0.05088653	0.00086241	0.45509061	0.99999994
Arpc1b	0.36841607	0.25522414	0.25436179	0.00086235	0.49099797	0.99999994
Zfp618	0.11370152	0.09620698	0.09534509	0.00086189	0.47600958	0.99999994
Rab11fip1	0.01746036	0.01648486	0.01562435	0.0008605	0.35696023	0.99999994
Taok3	0.1979518	0.15622474	0.15536742	0.00085732	0.48535023	0.99999994

Haus6	0.01400645	0.01341823	0.01256281	0.00085541	0.32518911	0.99999994
BC051019	0.00232851	0.00295937	0.00210508	0.00085429	0.00345349	0.19802917
Lrrk1	0.00358756	0.00409471	0.00324055	0.00085416	0.03967076	0.99999994
Ehf	0.01712029	0.01617699	0.01532355	0.00085344	0.35542143	0.99999994
Eif5a2	0.01273417	0.01228425	0.01143146	0.00085279	0.30974741	0.99999994
Cd79b	0.00189212	0.0025624	0.00171107	0.00085134	0.0004634	0.03603423
Mzt1	0.23832234	0.18218845	0.18134204	0.00084642	0.48760737	0.99999994
Aldob	0.00326736	0.00379743	0.00295196	0.00084547	0.02829553	0.85915875
Gm10645	0.0104534	0.01024394	0.00939848	0.00084546	0.27465708	0.99999994
Tm4sf5	0.00428484	0.00471133	0.00386855	0.00084277	0.07351454	0.99999994
Tpgs1	0.54553519	0.33278803	0.33194546	0.00084257	0.49325988	0.99999994
Efcab12	0.00434799	0.00476745	0.00392539	0.00084206	0.07666086	0.99999994
Prr7	0.0961873	0.0825873	0.0817456	0.0008417	0.47267886	0.99999994
Zfp184	0.03001559	0.02747524	0.02663451	0.00084073	0.41679104	0.99999994
Kitl	0.00324715	0.00377076	0.00293374	0.00083703	0.02877387	0.86317853
Otud3	0.04959885	0.04428058	0.04344455	0.00083604	0.44903752	0.99999994
Nos1ap	0.00754521	0.00763304	0.00679713	0.00083592	0.20650606	0.99999994
A930031H19	0.00412454	0.00455974	0.00372423	0.00083551	0.06767614	0.99999994
Ccdc136	0.0820434	0.07119297	0.07036081	0.00083216	0.46862554	0.99999994
Trpc5	0.0065331	0.00672026	0.0058894	0.00083086	0.17384978	0.99999994
Fam118b	0.18869505	0.14999582	0.14916802	0.0008278	0.48526678	0.99999994
Epha5	0.00654737	0.00672815	0.00590221	0.00082595	0.17580224	0.99999994
Sema4c	0.08675564	0.07500055	0.0741768	0.00082375	0.47053702	0.99999994
Epha7	0.02214022	0.02057112	0.01974996	0.00082116	0.39098385	0.99999994
Zfp101	0.06830953	0.05992652	0.05910569	0.00082083	0.46317433	0.99999994
Arl4c	0.05279498	0.04696757	0.04614703	0.00082054	0.45289231	0.99999994
Slc52a3	0.03081972	0.02815369	0.02733341	0.00082028	0.42083441	0.99999994
Haus4	0.01760403	0.01657137	0.0157514	0.00081997	0.36447988	0.99999994
Smpd4	0.03333994	0.03033834	0.02951897	0.00081938	0.42670684	0.99999994
Lpcat4	0.01561322	0.01480765	0.01398882	0.00081883	0.34840561	0.99999994

Kcnj13	0.00410863	0.00452644	0.0037099	0.00081654	0.07145448	0.99999994
Rbpjl	0.01480111	0.01408493	0.01326846	0.00081647	0.34105134	0.99999994
Med18	0.05339615	0.04747026	0.04665407	0.00081619	0.45364821	0.99999994
Nudt17	0.01397261	0.01334791	0.01253275	0.00081516	0.33252715	0.99999994
Spire2	0.03504974	0.03181178	0.03099754	0.00081424	0.43059933	0.99999994
Rgma	0.00794503	0.00796863	0.00715537	0.00081326	0.22466279	0.99999994
Ptgfrn	0.0186646	0.01750163	0.01668845	0.00081317	0.37283979	0.99999994
Arhgef15	0.00800074	0.00801827	0.00720527	0.000813	0.22630637	0.99999994
D2hgdh	0.03871301	0.0349642	0.03415415	0.00081005	0.4372791	0.99999994
Gm8973	0.0126595	0.01216858	0.01136501	0.00080357	0.31894717	0.99999994
Dlat	0.29994149	0.21865103	0.21784944	0.00080159	0.49022985	0.99999994
Zmat2	0.63539243	0.36425481	0.3634548	0.00080001	0.49415509	0.99999994
Tcf24	0.00661526	0.00676232	0.00596313	0.00079919	0.1861688	0.99999994
Eif2ak4	0.05016822	0.04472451	0.04392681	0.0007977	0.45189415	0.99999994
Ccsap	0.0140583	0.01340624	0.01260888	0.00079736	0.33690175	0.99999994
Loxl1	0.02493214	0.02299568	0.02219893	0.00079675	0.40558948	0.99999994
Sh3bgrl2	0.01350665	0.01291253	0.01211861	0.00079392	0.3313914	0.99999994
Gm20449	0.00220603	0.00278781	0.00199452	0.00079329	0.00405483	0.21763658
Ninl	0.01833542	0.01718939	0.01639775	0.00079164	0.37397267	0.99999994
Wdr75	0.11888597	0.10007197	0.09928148	0.00079049	0.47886653	0.99999994
Sp3os	0.27535653	0.20450718	0.20371884	0.00078834	0.48972504	0.99999994
Igfn1	0.0036628	0.00409552	0.00330834	0.00078718	0.05661988	0.99999994
Ncan	0.00486961	0.00518168	0.00439476	0.00078691	0.11665659	0.99999994
Ptpn5	0.00759779	0.00763076	0.00684425	0.00078651	0.22216105	0.99999994
Nr4a1	0.06932073	0.06072639	0.05994123	0.00078516	0.46526004	0.99999994
Tagln	0.00671168	0.0068332	0.00604965	0.00078355	0.19430898	0.99999994
Fam111a	0.02080215	0.01935575	0.01857301	0.00078274	0.38953734	0.99999994
Zbtb2	0.03860125	0.03484016	0.03405807	0.00078209	0.43925736	0.99999994
Gm29202	0.00331798	0.00377902	0.00299759	0.00078143	0.04135087	0.99999994
Fgf9	0.04638562	0.04149724	0.04071613	0.00078111	0.44919397	0.99999994

Bok	0.00937907	0.00921924	0.00843869	0.00078054	0.26905187	0.99999994
Lef1	0.00132972	0.00198311	0.00120294	0.00078017	7.91E-06	0.000865
Gm20045	0.01810563	0.01697391	0.01619474	0.00077917	0.37438768	0.99999994
Gfra4	0.00553926	0.00577466	0.00499684	0.00077781	0.15006946	0.99999994
4930579G24	0.03460717	0.03139264	0.03061515	0.00077749	0.43288191	0.99999994
Hpd	0.00734478	0.0073924	0.00661747	0.00077494	0.21784569	0.99999994
Tenm4	0.06804083	0.05965612	0.05888348	0.00077264	0.46520021	0.99999994
Bcar3	0.01784604	0.01673753	0.01596534	0.0007722	0.37374608	0.99999994
Cldn23	0.08004841	0.06950915	0.06873827	0.00077087	0.47024716	0.99999994
Chst9	0.02139874	0.01986848	0.01909803	0.00077045	0.39414595	0.99999994
Neat1	0.0694949	0.06085403	0.06008504	0.00076899	0.46605502	0.99999994
Tbxas1	0.00479974	0.00510007	0.00433191	0.00076816	0.11893272	0.99999994
Fam89b	0.01170017	0.01127857	0.01051057	0.000768	0.31335101	0.99999994
Fndc4	0.00903769	0.00889977	0.00813341	0.00076636	0.26526919	0.99999994
Hdhd3	0.11887527	0.1000371	0.09927339	0.0007637	0.47958029	0.99999994
Spag6l	0.01191591	0.01146403	0.01070282	0.0007612	0.31795945	0.99999994
Rasl11a	0.006012	0.00618163	0.00542155	0.00076008	0.17536054	0.99999994
Hdac2	0.78795177	0.40200954	0.40125039	0.00075915	0.49497604	0.99999994
Rpusd2	0.01324404	0.01264399	0.01188509	0.0007589	0.3354086	0.99999994
Gpr142	0.01134308	0.01095095	0.01019225	0.0007587	0.31012531	0.99999994
Ccne2	0.02310704	0.02135734	0.02059905	0.00075828	0.40321629	0.99999994
Tmem183a	0.30503571	0.22146533	0.22070716	0.00075817	0.49087869	0.99999994
Dsc2	0.02647413	0.02430559	0.02354758	0.00075801	0.4151674	0.99999994
Kdm2b	0.09197662	0.07913559	0.07837788	0.00075771	0.47434582	0.99999994
Gsg1l2	0.00816945	0.00811321	0.00735636	0.00075685	0.24672562	0.99999994
Trim68	0.01750357	0.01641848	0.01566257	0.00075591	0.37401016	0.99999994
Slc18a3	0.00433329	0.00466795	0.00391216	0.00075578	0.0992336	0.99999994
Shcbp1	0.00873353	0.00861709	0.00786131	0.00075578	0.26110557	0.99999994
Dusp5	0.14305488	0.11795315	0.1171989	0.00075425	0.48291543	0.99999994
Gsdma2	0.00322327	0.00366589	0.00291221	0.00075368	0.04247355	0.99999994

Dmgdh	0.00898115	0.00883467	0.00808284	0.00075183	0.26790903	0.99999994
Akr1cl	0.00750679	0.00751288	0.00676269	0.00075019	0.23013643	0.99999994
Spock3	0.01912185	0.01784092	0.01709204	0.00074888	0.38527926	0.99999994
Spag8	0.01230032	0.01179361	0.01104523	0.00074838	0.32599253	0.99999994
3425401B19	0.00187287	0.00244055	0.00169369	0.00074686	0.00166644	0.11114947
Tle4	0.02288886	0.02115386	0.02040754	0.00074632	0.40383655	0.99999994
Pabpc4l	0.01361748	0.01296196	0.01221713	0.00074482	0.34244208	0.99999994
Pls3	0.04534781	0.04057439	0.03983243	0.00074196	0.45066207	0.99999994
Ntn4	0.01177901	0.0113227	0.01058084	0.00074186	0.32035617	0.99999994
Sapcd1	0.01107076	0.01069088	0.00994938	0.0007415	0.30991839	0.99999994
Mocs3	0.03252169	0.02954968	0.02881017	0.00073951	0.43216822	0.99999994
Rab28	0.39994099	0.27059524	0.26985598	0.00073926	0.49272576	0.99999994
Oas3	0.00929164	0.00909946	0.00836052	0.00073894	0.27816008	0.99999994
Gabre	0.00692257	0.00697715	0.00623885	0.00073831	0.21543154	0.99999994
Prim1	0.07005135	0.06128096	0.06054426	0.0007367	0.46772329	0.99999994
Guca2b	0.01113132	0.01073691	0.01000341	0.00073351	0.31274621	0.99999994
Ttll8	0.00331763	0.00373062	0.00299727	0.00073335	0.05169579	0.99999994
Rapsn	0.00624153	0.0063597	0.00562767	0.00073203	0.19328794	0.99999994
Gm27153	0.00376878	0.00413533	0.00340382	0.00073151	0.07628617	0.99999994
Bcl2l15	0.01136111	0.01093931	0.01020832	0.00073099	0.31680858	0.99999994
Zmat5	0.23430539	0.1795632	0.17883281	0.00073039	0.48915578	0.99999994
Cfap45	0.00594635	0.00609162	0.00536259	0.00072903	0.18275516	0.99999994
4933407L21F	0.01105689	0.01066399	0.00993701	0.00072697	0.31314125	0.99999994
lqsec1	0.03993265	0.0359274	0.0352017	0.0007257	0.44542703	0.99999994
Slc6a19	0.00367052	0.00403939	0.00331529	0.00072409	0.07299843	0.99999994
Emx1	0.00453369	0.00481597	0.00409254	0.00072344	0.1196692	0.99999994
Zfp661	0.01013473	0.00983696	0.00911393	0.00072304	0.29872488	0.99999994
Car14	0.00412648	0.00444787	0.00372598	0.00072189	0.0985882	0.99999994
Tmsb15b1	0.09962747	0.08520324	0.08448366	0.00071958	0.47739427	0.99999994
Tmem123	0.11191853	0.09469986	0.09398349	0.00071638	0.47976743	0.99999994

A630023P12	0.0095151	0.0092751	0.00856029	0.0007148	0.28916645	0.99999994
Nyap1	0.05458095	0.0483666	0.04765221	0.00071439	0.46025534	0.99999994
Gm17092	0.00565101	0.0058115	0.00509727	0.00071423	0.17548916	0.99999994
Spats2l	0.00563821	0.00579977	0.00508576	0.00071401	0.17502023	0.99999994
Fndc5	0.02993724	0.0272795	0.02656638	0.00071312	0.42909567	0.99999994
Tmem139	0.01004144	0.00974361	0.0090306	0.00071301	0.29959923	0.99999994
Wdyhv1	0.06163013	0.05427176	0.05355885	0.00071291	0.46469941	0.99999994
Apela	0.00433117	0.0046231	0.00391026	0.00071284	0.11247886	0.99999994
Cd22	0.01492538	0.01409154	0.01337874	0.0007128	0.36142897	0.99999994
Ramp3	0.00420165	0.00450624	0.00379366	0.00071259	0.10559442	0.99999994
Gm15893	0.00526844	0.0054658	0.00475342	0.00071238	0.15924337	0.99999994
Icosl	0.00996549	0.00967465	0.00896276	0.00071189	0.29850713	0.99999994
Zc3hav1l	0.03049071	0.02775795	0.02704755	0.0007104	0.43060757	0.99999994
Atpaf1	0.1111879	0.09413366	0.09342439	0.00070927	0.47984814	0.99999994
Ccp110	0.06524542	0.05727542	0.05656713	0.0007083	0.46678792	0.99999994
Gm26801	0.00867247	0.00851444	0.00780666	0.00070777	0.27309341	0.99999994
E2f7	0.00951539	0.00926732	0.00856055	0.00070677	0.29131249	0.99999994
Gm10827	0.00931997	0.0090919	0.00838585	0.00070606	0.28758945	0.99999994
Gm4425	0.01432774	0.01355378	0.0128482	0.00070558	0.35735335	0.99999994
Whrn	0.0546595	0.0484235	0.04771833	0.00070517	0.46082073	0.99999994
Armcx5	0.0885338	0.07631507	0.07561077	0.00070431	0.47528004	0.99999994
Gimap3	0.00085113	0.0014742	0.00077023	0.00070397	5.87E-10	1.03E-07
Apobr	0.00844019	0.00829789	0.00759877	0.00069912	0.27013145	0.99999994
Gcnt3	0.00952759	0.00926722	0.00857145	0.00069577	0.29448936	0.99999994
Rnf38	0.0589628	0.05202558	0.05133025	0.00069533	0.4640766	0.99999994
Ahr	0.020432	0.01894221	0.01824706	0.00069515	0.39990842	0.99999994
Gm28901	0.00328138	0.00365803	0.0029646	0.00069343	0.05974155	0.99999994
Fgf21	0.0051564	0.00534522	0.00465268	0.00069254	0.16089742	0.99999994
Xpnpep2	0.0106552	0.01027087	0.00957861	0.00069227	0.31523375	0.99999994
Gata1	0.00351137	0.00386394	0.00317189	0.00069205	0.07320794	0.99999994

Nppc	0.00360549	0.0039444	0.0032567	0.00068769	0.07992535	0.99999994
Cideb	0.00726326	0.00723185	0.00654438	0.00068747	0.24220318	0.99999994
Kcna5	0.00897652	0.00876585	0.0080787	0.00068715	0.28563933	0.99999994
Gm4673	0.01221962	0.01165879	0.01097336	0.00068543	0.33878663	0.99999994
Rab24	0.46491017	0.30007443	0.29938954	0.00068489	0.49392547	0.99999994
Tigd5	0.01170645	0.0112001	0.01051617	0.00068393	0.33254253	0.99999994
Fcor	0.02355487	0.02167474	0.02099198	0.00068276	0.41430069	0.99999994
Cntnap4	0.00234813	0.00280439	0.00212279	0.0006816	0.01628808	0.58877176
Cntln	0.08498491	0.07342502	0.07274557	0.00067944	0.47521364	0.99999994
Sult5a1	0.01706009	0.01594925	0.01527028	0.00067896	0.38362936	0.99999994
Wnt3	0.00172939	0.00224253	0.00156408	0.00067845	0.00194257	0.12691219
Brap	0.08692096	0.07498771	0.07431026	0.00067746	0.47580573	0.99999994
Cenpe	0.01065441	0.01025038	0.0095779	0.00067248	0.32012282	0.99999994
Ogfrl1	0.01757619	0.01639922	0.01572678	0.00067244	0.38797119	0.99999994
Rims4	0.01142722	0.01093891	0.01026727	0.00067165	0.33162364	0.99999994
Fzd9	0.00868894	0.00849192	0.00782141	0.00067051	0.28412281	0.99999994
Hoga1	0.00957762	0.00928582	0.00861617	0.00066964	0.30246393	0.99999994
Mcts2	0.23053562	0.17713198	0.17646322	0.00066876	0.48993722	0.99999994
Spon2	0.00781844	0.00770977	0.00704196	0.00066781	0.2639417	0.99999994
Amot	0.00726016	0.00720932	0.0065416	0.00066772	0.24843313	0.99999994
Prex1	0.07213711	0.06292859	0.06226261	0.00066599	0.47161969	0.99999994
Mbl2	0.02607183	0.0238611	0.02319599	0.00066512	0.42431653	0.99999994
Ccdc85a	0.00391361	0.00419862	0.00353428	0.00066434	0.10542941	0.99999994
Arhgap4	0.00412492	0.00438813	0.00372457	0.00066356	0.1178351	0.99999994
E130308A19	0.05138034	0.04561348	0.04495228	0.00066119	0.46100323	0.99999994
Efna5	0.01743136	0.01625782	0.01559871	0.00065911	0.38925629	0.99999994
Bin1	0.1726008	0.13882297	0.13816459	0.00065837	0.48734827	0.99999994
Serpnb8	0.00228642	0.00272412	0.00206708	0.00065704	0.0171817	0.60730275
Scube1	0.00899851	0.00875536	0.00809837	0.000657	0.29459505	0.99999994
Sh3gl3	0.01414381	0.01334157	0.01268483	0.00065673	0.36518961	0.99999994

Zfp383	0.03172807	0.02877852	0.02812198	0.00065654	0.43825325	0.99999994
Stk39	0.04765389	0.04244878	0.04179442	0.00065436	0.45849893	0.99999994
Aldh8a1	0.00277991	0.00316647	0.0025124	0.00065408	0.04155532	0.99999994
Gnpda1	0.06315084	0.05547819	0.05482595	0.00065224	0.46844168	0.99999994
Il27ra	0.00626111	0.00629738	0.00564525	0.00065213	0.22096611	0.99999994
Trafd1	0.1758169	0.1410383	0.1403867	0.0006516	0.48767648	0.99999994
Vps11	0.07145068	0.06234808	0.0616976	0.00065048	0.47202601	0.99999994
Proser3	0.05174407	0.0459096	0.04525968	0.00064992	0.46192529	0.99999994
Naaladl2	0.00769975	0.00758478	0.00693562	0.00064917	0.26663344	0.99999994
Tmc3	0.00174211	0.00222435	0.00157558	0.00064877	0.0030638	0.18022151
Lrrc47	0.12026411	0.10097097	0.10032224	0.00064873	0.48283354	0.99999994
Tmem37	0.01684554	0.01572882	0.01508042	0.0006484	0.38736387	0.99999994
Grsf1	0.22865689	0.17592296	0.17527695	0.00064601	0.49021376	0.99999994
Hsbp1l1	0.07997893	0.06932719	0.06868169	0.0006455	0.4750588	0.99999994
Greb1	0.00944165	0.00913961	0.00849464	0.00064497	0.30664004	0.99999994
Cpb2	0.02057079	0.01901249	0.0183693	0.00064319	0.40785345	0.99999994
Gm2990	0.00348193	0.0037878	0.00314536	0.00064244	0.08698573	0.99999994
Rfx2	0.0314181	0.02849509	0.02785299	0.0006421	0.43902154	0.99999994
Rhbdf1	0.01487916	0.013978	0.01333772	0.00064028	0.37465918	0.99999994
Etv4	0.00396553	0.00422017	0.00358104	0.00063913	0.11741742	0.99999994
Adamts9	0.02824864	0.02573411	0.02509617	0.00063795	0.43281766	0.99999994
Gm13166	0.00587416	0.00593549	0.00529775	0.00063773	0.21148445	0.99999994
Rad18	0.01278293	0.0121102	0.01147486	0.00063534	0.35623134	0.99999994
Slc25a20	0.15445189	0.12604082	0.12540582	0.000635	0.48655614	0.99999994
Colgalt2	0.0012613	0.00177559	0.0011411	0.00063448	0.00010733	0.00983279
5730507C01I	0.00732624	0.00723424	0.00660084	0.00063339	0.26150344	0.99999994
Zik1	0.01037132	0.00995849	0.0093252	0.0006333	0.32561633	0.99999994
Katnb1	0.09817981	0.08396457	0.08333292	0.00063165	0.47988029	0.99999994
Cadm3	0.00657244	0.00655592	0.00592471	0.00063122	0.23911039	0.99999994
Pdzrn3	0.00935285	0.00904528	0.00841525	0.00063003	0.30911963	0.99999994

Pcdhb9	0.00632383	0.00633081	0.00570156	0.00062926	0.23128169	0.99999994
Fbln5	0.00614704	0.0061707	0.00554282	0.00062787	0.22542111	0.99999994
Eci3	0.00403495	0.00427105	0.00364356	0.00062749	0.12582454	0.99999994
AU022754	0.00172323	0.00218587	0.00155852	0.00062735	0.00368798	0.2041321
Clcn5	0.07006692	0.06118298	0.0605571	0.00062589	0.47257578	0.99999994
Gpsm3	0.01246485	0.01181715	0.01119173	0.00062542	0.35495638	0.99999994
Sh3bgr	0.05036499	0.04471834	0.04409339	0.00062495	0.46241823	0.99999994
H2-Oa	0.00283045	0.00318208	0.00255799	0.00062409	0.05218772	0.99999994
Gm17322	0.00700238	0.00693407	0.00631044	0.00062364	0.25532646	0.99999994
Tspan11	0.01186708	0.01128278	0.01065931	0.00062347	0.34851436	0.99999994
Gm3558	0.00366338	0.00393014	0.00330886	0.00062127	0.10568571	0.99999994
Rgs22	0.00494528	0.00508396	0.00446282	0.00062113	0.17711156	0.99999994
1700112D23	0.00370454	0.00396688	0.00334595	0.00062093	0.10836495	0.99999994
Flywch1	0.09146363	0.07858677	0.07796634	0.00062042	0.47887851	0.99999994
Tshz3	0.03293834	0.02979137	0.02917118	0.00062019	0.44373105	0.99999994
Acvrl1	0.00639734	0.00638729	0.00576755	0.00061974	0.23722974	0.99999994
Bid	0.07935748	0.06879479	0.06817536	0.00061944	0.47588705	0.99999994
Cnksr2	0.00791766	0.00774954	0.00713085	0.00061868	0.28179546	0.99999994
Lrrc43	0.00312023	0.00343784	0.00281931	0.00061853	0.07209845	0.99999994
Eil3	0.00469961	0.00485965	0.00424183	0.00061781	0.16615241	0.99999994
Itga4	0.02031905	0.01876494	0.01814756	0.00061738	0.41042642	0.99999994
Gins2	0.04784454	0.04257326	0.04195636	0.0006169	0.46101714	0.99999994
H2-Q2	0.08184757	0.07081813	0.07020173	0.0006164	0.47669668	0.99999994
Cldn9	0.02073187	0.01912745	0.01851113	0.00061632	0.4123049	0.99999994
Sh2b3	0.03335306	0.03014546	0.02953032	0.00061514	0.44486031	0.99999994
Pak6	0.01935544	0.01791195	0.01729812	0.00061384	0.40663666	0.99999994
Hmgcll1	0.0314381	0.02848396	0.02787035	0.00061361	0.44174318	0.99999994
Serpinb12	0.00352549	0.00379799	0.00318461	0.00061338	0.0999105	0.99999994
Krtdap	0.00246655	0.00284231	0.00222966	0.00061265	0.0337019	0.95936079
5031425F14I	0.01187783	0.01128094	0.01066889	0.00061206	0.3512811	0.99999994

Zdhhc20	0.35178028	0.24647022	0.2458603	0.00060992	0.49341265	0.99999994
Card9	0.01831387	0.01698724	0.01637872	0.00060852	0.40233567	0.99999994
Pde4d	0.03191205	0.02888983	0.02828159	0.00060824	0.44308364	0.99999994
Wdr3	0.0713686	0.06223674	0.06163001	0.00060673	0.47387599	0.99999994
F5	0.015363	0.01437337	0.01376695	0.00060642	0.38468253	0.99999994
Htr5b	0.00438496	0.00456297	0.00395867	0.0006043	0.15479075	0.99999994
Zfhx4	0.01016591	0.00974555	0.00914177	0.00060378	0.33010339	0.99999994
Csmd3	0.00181863	0.00224598	0.00164469	0.00060129	0.0074762	0.34949606
Bloc1s1	0.0283722	0.02580469	0.02520386	0.00060084	0.43695986	0.99999994
Trps1	0.0410993	0.03680217	0.03620216	0.00060001	0.4560775	0.99999994
Kcnmb1	0.00984961	0.00945849	0.00885924	0.00059925	0.32626725	0.99999994
Kcnj1	0.00294024	0.00325579	0.00265701	0.00059878	0.06679997	0.99999994
Rcsd1	0.00424551	0.00443083	0.00383314	0.0005977	0.14965473	0.99999994
Snta1	0.02489397	0.02276305	0.0221655	0.00059755	0.42879397	0.99999994
Ciart	0.00925952	0.00892905	0.0083318	0.00059725	0.31662827	0.99999994
Pknx2	0.0024018	0.0027675	0.00217122	0.00059627	0.03377442	0.95971117
Oplah	0.01033732	0.00989101	0.00929484	0.00059616	0.33471449	0.99999994
Bicd2	0.05321642	0.04709824	0.04650252	0.00059572	0.46602276	0.99999994
Trim26	0.22385204	0.17282184	0.17222682	0.00059502	0.49082647	0.99999994
Upk3a	0.01005575	0.00963783	0.00904338	0.00059445	0.33085935	0.99999994
Gm21781	0.00932252	0.00898159	0.00838813	0.00059346	0.31884411	0.99999994
Taf9	0.00401211	0.00421642	0.00362299	0.00059343	0.13779388	0.99999994
Ssc5d	0.00210196	0.00249267	0.00190056	0.00059211	0.01905163	0.65172122
Mapk3	0.85280692	0.41257788	0.41198604	0.00059184	0.49618528	0.99999994
Slc46a2	0.00752782	0.00737293	0.00678154	0.00059139	0.28079645	0.99999994
Cep295	0.0815133	0.07052086	0.06993009	0.00059078	0.47757791	0.99999994
Rad54l	0.00591861	0.00592845	0.00533768	0.00059077	0.23064646	0.99999994
Ptrh1	0.04621898	0.04116453	0.04057432	0.00059021	0.46143218	0.99999994
Cyp4b1	0.02150821	0.01978407	0.01919432	0.00058975	0.41897374	0.99999994
Alkbh4	0.06322388	0.05547383	0.05488675	0.00058707	0.47162047	0.99999994

Fam217a	0.00676533	0.00668444	0.00609779	0.00058666	0.26095819	0.99999994
Zfp456	0.0145189	0.01360368	0.01301794	0.00058573	0.38228051	0.99999994
Neil1	0.07572706	0.06579496	0.06520932	0.00058564	0.47616544	0.99999994
Aif1	0.00541761	0.00547307	0.00488751	0.00058556	0.21258784	0.99999994
Barx1	0.00593581	0.0059379	0.00535313	0.00058477	0.23357257	0.99999994
1700109G15	0.00223544	0.00260489	0.00202107	0.00058383	0.02725063	0.83669235
Xrcc4	0.18393693	0.14652808	0.14594475	0.00058332	0.48938753	0.99999994
Mgat5b	0.00863212	0.0083534	0.00777056	0.00058284	0.30879478	0.99999994
Zfp60	0.08332139	0.0719807	0.07139802	0.00058268	0.4783391	0.99999994
Sptbn2	0.04269174	0.03814743	0.03756527	0.00058217	0.45891924	0.99999994
Nepn	0.0008011	0.00130598	0.00072498	0.000581	4.79E-08	7.21E-06
Ubxn7	0.12677001	0.10578401	0.10520411	0.0005799	0.48536578	0.99999994
Gm5093	0.02102289	0.01934608	0.01876732	0.00057876	0.4186789	0.99999994
Rccd1	0.04655504	0.041439	0.04086028	0.00057872	0.46244501	0.99999994
Pdpm	0.01349577	0.01268582	0.01210893	0.00057689	0.37557726	0.99999994
Ephb3	0.03578553	0.03220824	0.0316328	0.00057544	0.45181128	0.99999994
Heph	0.00225915	0.00261672	0.00204247	0.00057426	0.03063876	0.89307523
Prrg3	0.0146832	0.01373723	0.0131638	0.00057343	0.38592432	0.99999994
Spata6	0.01910004	0.01764532	0.01707279	0.00057253	0.41168252	0.99999994
Stard9	0.00893049	0.00861005	0.00803753	0.00057252	0.31769958	0.99999994
Kdm8	0.01092669	0.01039228	0.00982087	0.00057141	0.3492701	0.99999994
Nxn	0.03436124	0.03097359	0.03040256	0.00057103	0.45025334	0.99999994
Dsn1	0.01191239	0.01127063	0.01069969	0.00057095	0.36122297	0.99999994
Them4	0.07440942	0.0647001	0.06412936	0.00057073	0.47638064	0.99999994
Jag1	0.00845633	0.00817935	0.00761321	0.00056614	0.31030659	0.99999994
Lins1	0.04785567	0.04253054	0.04196581	0.00056473	0.46431298	0.99999994
lqck	0.00804181	0.00780399	0.00724206	0.00056193	0.30275689	0.99999994
Cd83	0.00542227	0.00545318	0.0048917	0.00056149	0.22242191	0.99999994
Ttc41	0.00482281	0.00491391	0.00435266	0.00056124	0.19536612	0.99999994
Plekho1	0.01722889	0.0159777	0.01541962	0.00055808	0.40481223	0.99999994

Slc4a4	0.01935976	0.01785981	0.01730193	0.00055788	0.41502997	0.99999994
Fam20c	0.46009948	0.29786547	0.29730809	0.00055738	0.49502171	0.99999994
Tmem158	0.01094674	0.01039593	0.00983875	0.00055717	0.35310399	0.99999994
Grik2	0.00682954	0.00671243	0.0061554	0.00055703	0.27346496	0.99999994
Ascl2	0.00821812	0.00795673	0.00739995	0.00055678	0.3082451	0.99999994
Enpp1	0.00890632	0.00857194	0.0080159	0.00055604	0.32213814	0.99999994
Krt80	0.00271913	0.00301346	0.00245756	0.0005559	0.06607716	0.99999994
Cnn2	0.00951176	0.00911172	0.00855731	0.00055442	0.33314083	0.99999994
1700016L21F	0.01009043	0.00962846	0.00907436	0.00055409	0.34220703	0.99999994
Gpr4	0.00368417	0.00388084	0.00332759	0.00055325	0.13421189	0.99999994
Htra2	0.15312743	0.12501274	0.12445988	0.00055286	0.48820579	0.99999994
Rnf144a	0.00973121	0.00930605	0.00875344	0.00055261	0.33716193	0.99999994
Gm28707	0.00852361	0.00822449	0.00767344	0.00055105	0.31632163	0.99999994
Igdcc3	0.00368087	0.00387333	0.00332462	0.00054872	0.13596967	0.99999994
1700064M15	0.00404054	0.00419729	0.00364859	0.0005487	0.15840826	0.99999994
Vwde	0.00673961	0.00662247	0.00607472	0.00054775	0.27418728	0.99999994
Dnah1	0.00734134	0.00716171	0.00661438	0.00054732	0.29088654	0.99999994
Gm28209	0.00311949	0.00336592	0.00281865	0.00054727	0.09810834	0.99999994
Cd44	0.01545081	0.01439046	0.01384482	0.00054564	0.39653184	0.99999994
N4bp3	0.01718232	0.01592399	0.01537842	0.00054557	0.40666067	0.99999994
Tmem126b	0.23961646	0.1826916	0.18214671	0.00054489	0.49205665	0.99999994
Ndufa10	0.77461178	0.39921202	0.39866733	0.00054468	0.49637195	0.99999994
Nrxn2	0.02995338	0.02712505	0.02658041	0.00054464	0.44575625	0.99999994
Cpxm1	0.01004419	0.00957452	0.00903306	0.00054147	0.34494637	0.99999994
Gm26744	0.00167513	0.0020554	0.00151506	0.00054034	0.00879956	0.39182637
A330009N23	0.04213151	0.03762482	0.03708604	0.00053878	0.46148144	0.99999994
Podn	0.00500635	0.00505528	0.00451775	0.00053754	0.21418222	0.99999994
Adgrg4	0.00402046	0.00416756	0.0036305	0.00053705	0.16239646	0.99999994
Nr5a2	0.02310239	0.02113136	0.02059498	0.00053638	0.43118413	0.99999994
Cntnap1	0.00524501	0.00526712	0.00473236	0.00053476	0.22597282	0.99999994

Klhl7	0.46581787	0.30031449	0.2997805	0.000534	0.49526986	0.99999994
Rgmb	0.04676003	0.04156788	0.04103465	0.00053323	0.46553569	0.99999994
Arhgap22	0.00264526	0.00292402	0.00239092	0.0005331	0.06888483	0.99999994
Chrac1	0.46220817	0.29875442	0.29822242	0.000532	0.49526293	0.99999994
Defa24	0.00314437	0.003372	0.00284108	0.00053092	0.10677035	0.99999994
Phospho2	0.16887233	0.13610451	0.13557406	0.00053046	0.48961102	0.99999994
Nfe2l3	0.02826817	0.02564365	0.02511319	0.00053046	0.44409309	0.99999994
Crim1	0.00521797	0.00523698	0.00470804	0.00052894	0.22728289	0.99999994
Dpf1	0.01259866	0.01183796	0.01131085	0.00052711	0.37820363	0.99999994
Zfp647	0.0017767	0.00213373	0.00160682	0.00052691	0.01452687	0.55516698
Kif15	0.0050022	0.00504017	0.00451402	0.00052615	0.21891594	0.99999994
Itga11	0.00297973	0.00321756	0.00269262	0.00052494	0.09719826	0.99999994
Anapc10	0.27218218	0.20237798	0.20185313	0.00052485	0.49309561	0.99999994
Ccdc61	0.06761757	0.05905742	0.0585333	0.00052412	0.47623597	0.99999994
Srd5a1	0.01077396	0.01020846	0.00968459	0.00052387	0.35939867	0.99999994
Mturn	0.03626799	0.03257257	0.032049	0.00052356	0.45670405	0.99999994
Tc2n	0.00320832	0.00342186	0.00289874	0.00052312	0.11482797	0.99999994
Gpr20	0.00530855	0.00531244	0.00478948	0.00052296	0.23367121	0.99999994
Nckap5	0.00427905	0.00438481	0.00386334	0.00052146	0.18447028	0.99999994
Pde4a	0.0192754	0.01774863	0.01722751	0.00052113	0.42021146	0.99999994
B3gnt4	0.00516265	0.00517859	0.0046583	0.00052029	0.22860141	0.99999994
Sh2d4a	0.0050409	0.00506846	0.00454883	0.00051963	0.22351261	0.99999994
Gsg1l	0.01205751	0.01134791	0.01082897	0.00051894	0.37487049	0.99999994
Kif2c	0.00266838	0.00293068	0.00241178	0.0005189	0.07605396	0.99999994
Arap3	0.00307345	0.0032949	0.00277714	0.00051777	0.10730168	0.99999994
Gm5577	0.01452356	0.0135374	0.01302208	0.00051532	0.39611769	0.99999994
Cyp2e1	0.00680285	0.00664621	0.00613145	0.00051476	0.28814077	0.99999994
Fbxo46	0.03846363	0.03445434	0.03393975	0.00051459	0.45980557	0.99999994
Ccdc14	0.0089982	0.0086118	0.0080981	0.0005137	0.33642334	0.99999994
Snx31	0.00704927	0.0068661	0.00635249	0.00051361	0.29522777	0.99999994

Oprl1	0.01513283	0.0140763	0.0135628	0.0005135	0.40051446	0.99999994
Msantd2	0.0399893	0.03576322	0.03525032	0.0005129	0.46142246	0.99999994
Dnah11	0.00867882	0.0083246	0.00781235	0.00051226	0.33125193	0.99999994
Ccdc96	0.02029299	0.01863677	0.01812461	0.00051217	0.42540049	0.99999994
St3gal1	0.03165425	0.02856939	0.02805793	0.00051146	0.45171259	0.99999994
Ptf1a	0.01439832	0.01342183	0.01291088	0.00051095	0.39611099	0.99999994
Grk6	0.04386147	0.03907552	0.0385647	0.00051082	0.46487127	0.99999994
Bcan	0.00144466	0.0018175	0.00130683	0.00051068	0.00464559	0.24201117
Antxr2	0.01915317	0.01762995	0.01711968	0.00051027	0.42136615	0.99999994
Otulin	0.0567682	0.05000055	0.04949078	0.00050977	0.47266886	0.99999994
Ppp1r18	0.00800828	0.00772163	0.00721202	0.00050961	0.31905469	0.99999994
Gm33466	0.0026554	0.00290872	0.00240007	0.00050865	0.07916947	0.99999994
Fibcd1	0.00204975	0.00236111	0.00185342	0.00050769	0.03412784	0.96800495
Zc4h2	0.03294433	0.02968364	0.02917637	0.00050727	0.45393359	0.99999994
Mbnl3	0.00714724	0.00694753	0.00644035	0.00050719	0.30007022	0.99999994
Nox4	0.00287365	0.00310291	0.00259695	0.00050597	0.09733868	0.99999994
Ccdc74a	0.01882451	0.01733526	0.01682963	0.00050563	0.42074633	0.99999994
P3h3	0.01166482	0.01098222	0.01047907	0.00050315	0.37463442	0.99999994
Grm8	0.00076613	0.00119447	0.00069336	0.00050111	7.52E-07	9.51E-05
Figl12	0.01266349	0.01186877	0.01136856	0.00050022	0.38480734	0.99999994
4732465J04F	0.00076562	0.00119288	0.0006929	0.00049998	7.81E-07	9.80E-05
Gemin2	0.12505449	0.1044215	0.10392182	0.00049968	0.48723395	0.99999994
Gm9767	0.00906013	0.00865266	0.00815348	0.00049917	0.34181492	0.99999994
Foxm1	0.00174596	0.00207798	0.00157905	0.00049893	0.01772376	0.61823741
Sf3a1	0.23232208	0.17808603	0.17758792	0.0004981	0.49255218	0.99999994
Zfp462	0.01599171	0.01482196	0.01432428	0.00049768	0.40855431	0.99999994
Pipox	0.0038503	0.00397248	0.00347725	0.00049523	0.17156542	0.99999994
Arhgap19	0.00646909	0.00632655	0.00583195	0.0004946	0.28620129	0.99999994
BC049762	0.00462019	0.00466456	0.00417037	0.00049419	0.21511882	0.99999994
Sycp3	0.0055351	0.00548726	0.00499311	0.00049415	0.25502706	0.99999994

Arhgap9	0.00336667	0.00353513	0.00304148	0.00049365	0.13998791	0.99999994
Tnks	0.0441471	0.03930174	0.03880852	0.00049322	0.46629126	0.99999994
4732463B04	0.00202147	0.00232049	0.00182789	0.0004926	0.03641925	0.99999994
Ifit1	0.00269175	0.00292477	0.00243287	0.00049191	0.08917189	0.99999994
Gm8251	0.00117505	0.00155504	0.00106313	0.0004919	0.00103559	0.07272363
Hebp1	0.09288586	0.07959853	0.07910663	0.00049189	0.48349251	0.99999994
Zfp57	0.00669072	0.00652241	0.00603084	0.00049157	0.29371962	0.99999994
Slc19a2	0.01057954	0.01000258	0.00951108	0.0004915	0.36543036	0.99999994
Psmc7	1.07679495	0.4299127	0.42942202	0.00049068	0.49696573	0.99999994
Cenph	0.01591606	0.01474528	0.01425725	0.00048803	0.4098816	0.99999994
Pcdhga3	0.0045267	0.00457343	0.00408625	0.00048719	0.21371063	0.99999994
Timp2	0.05331419	0.0470716	0.04658497	0.00048663	0.47228257	0.99999994
Thpo	0.00266416	0.00289288	0.00240798	0.00048491	0.09005387	0.99999994
Gm7694	0.00218142	0.00245716	0.0019723	0.00048486	0.0508824	0.99999994
Frg1	0.52945669	0.32627505	0.32579101	0.00048405	0.49605463	0.99999994
Plxna4	0.00254618	0.00278541	0.00230152	0.00048388	0.0808373	0.99999994
Zfp418	0.0123679	0.01158897	0.01110541	0.00048357	0.38596963	0.99999994
Ager	0.00834651	0.00799796	0.00751491	0.00048305	0.3343749	0.99999994
Vwa3b	0.00744834	0.00719129	0.0067103	0.00048099	0.31663642	0.99999994
Hoxa5	0.00075694	0.00116598	0.00068504	0.00048094	1.48E-06	0.00018049
Tm6sf1	0.01548369	0.01435482	0.01387398	0.00048084	0.40877595	0.99999994
Pcdhb21	0.00977062	0.00926931	0.00878865	0.00048065	0.35791462	0.99999994
Zfp53	0.05471831	0.04824832	0.04776783	0.00048049	0.47330847	0.99999994
Rad51ap1	0.00939771	0.00893538	0.00845535	0.00048003	0.35275446	0.99999994
Sncg	0.00122586	0.00158726	0.00110906	0.0004782	0.00205188	0.13296325
Zfp128	0.01518173	0.01408243	0.01360618	0.00047625	0.4078848	0.99999994
Mcmbp	0.13893049	0.11466602	0.114191	0.00047502	0.48895487	0.99999994
Gm10146	0.03846076	0.03441138	0.03393728	0.0004741	0.46295649	0.99999994
Camk1d	0.02184946	0.01996849	0.01949439	0.00047409	0.43570084	0.99999994
Lrig3	0.00309927	0.00327394	0.00280042	0.00047353	0.13018099	0.99999994

Klhl36	0.06048054	0.05307241	0.0525993	0.00047311	0.47612922	0.99999994
Mirt1	0.00854461	0.00816518	0.00769223	0.00047294	0.34117685	0.99999994
Oaz3	0.00217092	0.00243559	0.00196282	0.00047277	0.05443711	0.99999994
Capn6	0.02295719	0.02093874	0.02046753	0.00047121	0.43910248	0.99999994
Zfp385b	0.00257575	0.00279878	0.00232821	0.00047057	0.08925351	0.99999994
Tor4a	0.0116145	0.010904	0.01043422	0.00046978	0.38220789	0.99999994
Ccdc106	0.00527512	0.00522857	0.00475942	0.00046915	0.25586848	0.99999994
Slc6a11	0.00491173	0.00490169	0.00443265	0.00046904	0.24060808	0.99999994
Rnf8	0.25666156	0.19305879	0.19259082	0.00046797	0.49354779	0.99999994
Gdnf	0.00640865	0.00624471	0.0057777	0.00046701	0.29527697	0.99999994
A230052G05	0.0015551	0.00187345	0.00140662	0.00046682	0.01358447	0.53455393
Gab1	0.02343931	0.02135631	0.02089062	0.0004657	0.4410197	0.99999994
Pcm1	0.57866636	0.34459142	0.34412654	0.00046488	0.49641274	0.99999994
Adcy10	0.00300656	0.00317944	0.00271682	0.00046262	0.12851125	0.99999994
A230083N12	0.0063667	0.00620249	0.00574005	0.00046245	0.29588639	0.99999994
Nsl1	0.00218547	0.00243822	0.00197596	0.00046226	0.05971108	0.99999994
Spry1	0.01309555	0.01221454	0.01175301	0.00046153	0.39689651	0.99999994
Isg15	0.00218958	0.00244072	0.00197966	0.00046105	0.06054354	0.99999994
Scrib	0.08007123	0.06921726	0.06875685	0.00046041	0.48222425	0.99999994
Tgfbi	0.00743569	0.0071586	0.00669896	0.00045964	0.3239364	0.99999994
Hdac11	0.07922878	0.06852945	0.06807045	0.000459	0.48209989	0.99999994
Gm10784	0.00277233	0.00296396	0.00250556	0.0004584	0.11165003	0.99999994
Col22a1	0.00317385	0.00332563	0.00286766	0.00045797	0.14388485	0.99999994
Rest	0.01416711	0.01316277	0.01270553	0.00045724	0.40534226	0.99999994
Stk17b	0.00509349	0.00505195	0.00459612	0.00045583	0.2545745	0.99999994
Cfp	0.00802372	0.00768167	0.00722586	0.00045581	0.33728387	0.99999994
Tpx2	0.00586685	0.00574659	0.00529118	0.00045541	0.28335301	0.99999994
Zfp143	0.05408106	0.04768664	0.04723126	0.00045537	0.4744151	0.99999994
Zfp608	0.03896813	0.03482854	0.03437341	0.00045513	0.46488474	0.99999994
Cercam	0.01034401	0.00975497	0.00930081	0.00045416	0.37257769	0.99999994

Stra6	0.00552951	0.00543995	0.00498809	0.00045186	0.27325807	0.99999994
Bfsp1	0.00306181	0.00321835	0.00276664	0.00045171	0.13856371	0.99999994
Kdm1b	0.01383409	0.01286067	0.01240965	0.00045102	0.40442131	0.99999994
Bglap2	0.00425713	0.00429418	0.0038436	0.00045058	0.21760496	0.99999994
Itpr2	0.02594685	0.02353719	0.02308672	0.00045047	0.44833139	0.99999994
Smo	0.05057597	0.04472023	0.04427195	0.00044828	0.47313203	0.99999994
Stk38	0.25178415	0.19007936	0.18963184	0.00044752	0.49373345	0.99999994
Tox2	0.01532716	0.01418209	0.01373517	0.00044692	0.41426534	0.99999994
Plch2	0.01712843	0.01577771	0.01533075	0.00044635	0.42316784	0.99999994
Wdr86	0.00323853	0.00337197	0.00292597	0.000446	0.15514454	0.99999994
Bmpr1b	0.0030194	0.00317398	0.0027284	0.00044558	0.13850553	0.99999994
Adgrb2	0.00683799	0.00660839	0.00616298	0.00044541	0.31523333	0.99999994
Ercc4	0.02729903	0.02471313	0.02426791	0.00044522	0.45140314	0.99999994
A4galt	0.00212573	0.00236627	0.00192202	0.00044425	0.06195982	0.99999994
Gm6793	0.0083684	0.00797779	0.0075345	0.00044329	0.34766872	0.99999994
Tm4sf20	0.00923489	0.00875293	0.00830977	0.00044315	0.36130297	0.99999994
Hk2	0.01157457	0.01084096	0.01039863	0.00044233	0.38853299	0.99999994
Ccdc89	0.0116088	0.01087036	0.01042914	0.00044122	0.38912204	0.99999994
Wfdc10	0.01064284	0.01000756	0.00956758	0.00043998	0.37976246	0.99999994
Oaf	0.06463924	0.05650296	0.05606371	0.00043924	0.47920439	0.99999994
Phyhd1	0.005214	0.0051431	0.00470447	0.00043863	0.26742546	0.99999994
Gm38037	0.00463735	0.00462402	0.00418581	0.00043821	0.24294833	0.99999994
Klf11	0.09773486	0.08341593	0.08297881	0.00043712	0.48601407	0.99999994
Grid2ip	0.00296166	0.00311296	0.00267633	0.00043663	0.13874984	0.99999994
Gins1	0.02745006	0.02483474	0.02439972	0.00043502	0.45276592	0.99999994
Bpi	0.00205483	0.00229111	0.00185801	0.0004331	0.0603795	0.99999994
Gm3252	0.00169432	0.00196542	0.00153241	0.00043302	0.02999255	0.88049966
2810408A11	0.02990605	0.02697213	0.02653925	0.00043287	0.45677177	0.99999994
Cnbp	1.45871643	0.41362303	0.41319217	0.00043086	0.49723095	0.99999994
Amz1	0.00346437	0.00356001	0.00312953	0.00043048	0.17993513	0.99999994

Cep85l	0.01613927	0.0148854	0.01445502	0.00043038	0.42145075	0.99999994
Ephb1	0.00326625	0.00338113	0.00295096	0.00043017	0.16594515	0.99999994
Ncapg	0.00544983	0.00534534	0.00491647	0.00042886	0.28074308	0.99999994
Slit3	0.00213871	0.00236234	0.00193374	0.0004286	0.07006078	0.99999994
Egflam	0.0058736	0.0057246	0.00529724	0.00042736	0.29563128	0.99999994
Thns12	0.00913689	0.00864914	0.00822214	0.000427	0.36479107	0.99999994
Cdk2	0.023674	0.02152195	0.02109647	0.00042548	0.44660339	0.99999994
Gm42893	0.00351004	0.00359596	0.00317069	0.00042527	0.18598605	0.99999994
Ttc12	0.01586824	0.01463951	0.01421487	0.00042464	0.42119281	0.99999994
Islr	0.00307252	0.0032009	0.0027763	0.0004246	0.15433613	0.99999994
Vwa2	0.00348954	0.00357673	0.00315222	0.00042451	0.18501463	0.99999994
Arhgap27os2	0.02597725	0.0235371	0.0231133	0.0004238	0.45143052	0.99999994
Ier5l	0.00867737	0.00823462	0.00781105	0.00042357	0.35906689	0.99999994
BC016579	0.0007299	0.00108415	0.00066058	0.00042357	9.86E-06	0.00105454
Pcdhga10	0.00738533	0.00707718	0.00665382	0.00042336	0.33595906	0.99999994
Ripk2	0.05004829	0.04424763	0.04382526	0.00042238	0.47442451	0.99999994
B4galnt4	0.00537683	0.00527269	0.00485086	0.00042183	0.28134904	0.99999994
Sstr5	0.0047516	0.00471022	0.0042886	0.00042162	0.25642964	0.99999994
Paqr7	0.01336562	0.01241477	0.01199321	0.00042156	0.40750437	0.99999994
Gm6525	0.00355326	0.00363084	0.00320964	0.0004212	0.19119114	0.99999994
Dtl	0.0140571	0.01302842	0.01260781	0.00042061	0.41213207	0.99999994
Pik3c2b	0.00928449	0.0087743	0.00835412	0.00042018	0.36889278	0.99999994
Suv39h2	0.02135363	0.0194783	0.01905834	0.00041996	0.44169374	0.99999994
BC001981	0.00287233	0.0030152	0.00259576	0.00041945	0.14105463	0.99999994
Fxyd1	0.02018537	0.01844908	0.01802979	0.00041929	0.43849103	0.99999994
Nkd2	0.00169296	0.00195041	0.00153117	0.00041924	0.03418774	0.96800495
Arhgap8	0.01062995	0.00997529	0.00955607	0.00041922	0.38513879	0.99999994
Gm44386	0.0037548	0.0038083	0.00339122	0.00041708	0.20649258	0.99999994
E030030I06R	0.1264143	0.10535519	0.10493853	0.00041666	0.4894574	0.99999994
Taco1	0.03063204	0.02758675	0.02717036	0.00041639	0.4593746	0.99999994

Catsper3	0.00189093	0.00212602	0.00171	0.00041603	0.05267642	0.99999994
Nap1l2	0.02642801	0.02392238	0.02350728	0.00041509	0.45321649	0.99999994
Gja1	0.00764178	0.0072942	0.00688367	0.00041053	0.34569417	0.99999994
Tmem82	0.02228021	0.02028322	0.01987298	0.00041024	0.4453542	0.99999994
Rit2	0.01006537	0.00946198	0.00905198	0.00041	0.38152031	0.99999994
Ppp1r36	0.00531416	0.00520427	0.00479452	0.00040976	0.28472002	0.99999994
Depdc1b	0.00166575	0.00191623	0.00150659	0.00040964	0.03515903	0.98674321
Chaf1b	0.02785353	0.02516123	0.02475168	0.00040955	0.45614959	0.99999994
E2f6	0.07969933	0.06886332	0.06845393	0.00040938	0.48412311	0.99999994
Spin2c	0.01916215	0.01753698	0.0171276	0.00040938	0.43679588	0.99999994
Gabrg3	0.00699796	0.00671535	0.00630647	0.00040888	0.33302875	0.99999994
Noxa1	0.00537049	0.00525396	0.00484515	0.00040881	0.2871854	0.99999994
Jmjd4	0.01406154	0.01302041	0.01261175	0.00040866	0.41461543	0.99999994
Gm21814	0.00904995	0.00855258	0.00814438	0.0004082	0.36933221	0.99999994
Ccdc8	0.28377633	0.20903004	0.20862214	0.0004079	0.49480808	0.99999994
Pros1	0.006511	0.00627628	0.00586957	0.00040671	0.32231564	0.99999994
Uevld	0.01616106	0.01488086	0.01447433	0.00040653	0.42584848	0.99999994
2610020C07I	0.00386479	0.00389623	0.00349031	0.00040592	0.21942546	0.99999994
Cacna2d3	0.00202371	0.0022358	0.0018299	0.0004059	0.06990825	0.99999994
Stk36	0.03739652	0.03342707	0.03302151	0.00040556	0.46742232	0.99999994
Wars2	0.05541069	0.04875555	0.0483503	0.00040525	0.47775411	0.99999994
Palld	0.02995274	0.02698473	0.02657986	0.00040488	0.4596194	0.99999994
Gm6712	0.00320804	0.00330123	0.00289848	0.00040275	0.17750744	0.99999994
Serpina7	0.00200653	0.00221712	0.00181439	0.00040274	0.06977157	0.99999994
Padi4	0.00425006	0.00423949	0.00383724	0.00040225	0.24265999	0.99999994
Slc1a3	0.00439155	0.00436551	0.0039646	0.00040091	0.25043914	0.99999994
Six1	0.00121054	0.00149589	0.00109522	0.00040068	0.00744226	0.34893274
Gm28557	0.00344417	0.00351149	0.00311132	0.00040017	0.19596575	0.99999994
Eva1a	0.00638536	0.00615561	0.00575679	0.00039881	0.32235117	0.99999994
Kcnj6	0.00211911	0.00231486	0.00191604	0.00039881	0.08295242	0.99999994

1700064H15	0.00168377	0.00192164	0.00152287	0.00039878	0.04066478	0.99999994
Aldh1a3	0.00251448	0.00267047	0.00227292	0.00039756	0.12215712	0.99999994
Kcnip4	0.00389802	0.00391613	0.00352024	0.00039589	0.22705406	0.99999994
Bub1	0.00307848	0.00317663	0.00278167	0.00039496	0.17230041	0.99999994
Gulp1	0.00430076	0.00427648	0.00388289	0.0003936	0.2499204	0.99999994
Gm11827	0.00519301	0.00507852	0.0046856	0.00039292	0.28836007	0.99999994
Krt20	0.00120717	0.00148385	0.00109217	0.00039168	0.00848999	0.38016558
A230087F16	0.00251937	0.00266877	0.00227733	0.00039144	0.12628403	0.99999994
Msn	0.00831683	0.00787918	0.00748833	0.00039085	0.3641368	0.99999994
Edil3	0.00374985	0.00377718	0.00338676	0.00039041	0.2214453	0.99999994
Gm9930	0.00700452	0.00670211	0.00631235	0.00038976	0.34053522	0.99999994
Actc1	0.00209285	0.00228126	0.00189234	0.00038892	0.08564987	0.99999994
Cdhr5	0.01200036	0.01116663	0.01077806	0.00038857	0.40517516	0.99999994
Pask	0.00612537	0.0059119	0.00552337	0.00038853	0.31980917	0.99999994
Sh2b2	0.0040054	0.00400505	0.00361695	0.00038811	0.23753874	0.99999994
Rasgef1a	0.00374154	0.00376735	0.00337928	0.00038807	0.22231283	0.99999994
Gm20707	0.00586847	0.00568012	0.00529264	0.00038748	0.31301708	0.99999994
Gm16090	0.00447339	0.00442547	0.00403826	0.00038721	0.26165685	0.99999994
Dhx36	0.16674349	0.13447482	0.13408796	0.00038686	0.4923391	0.99999994
Slc22a3	0.00166358	0.00189083	0.00150463	0.0003862	0.04376977	0.99999994
Adcyap1r1	0.00303676	0.00312979	0.00274405	0.00038574	0.17471537	0.99999994
Grhl2	0.0085715	0.00810124	0.0077163	0.00038494	0.36992095	0.99999994
Samd15	0.05386454	0.04743306	0.04704885	0.00038421	0.47832536	0.99999994
Clmp	0.00716827	0.00684321	0.00645921	0.000384	0.34615524	0.99999994
Map3k6	0.0048179	0.0047318	0.00434825	0.00038355	0.27855563	0.99999994
Dkk1	0.00559726	0.00543143	0.00504897	0.00038247	0.30705038	0.99999994
Rsph10b	0.00697082	0.00666446	0.00628213	0.00038234	0.34269765	0.99999994
Phgr1	0.01044796	0.00977554	0.00939362	0.00038192	0.39333854	0.99999994
S1pr3	0.00706394	0.0067472	0.00636564	0.00038155	0.34495548	0.99999994
B3gnt5	0.0011985	0.00146572	0.00108433	0.00038139	0.00961081	0.42205476

Gm10440	0.001669	0.0018901	0.00150953	0.00038057	0.04666143	0.99999994
Gys2	0.00207561	0.00225693	0.00187677	0.00038016	0.08878022	0.99999994
Rxfp2	0.00294901	0.00304497	0.00266492	0.00038005	0.17123883	0.99999994
Cfap206	0.00737516	0.00702427	0.0066447	0.00037958	0.3518832	0.99999994
Scn3b	0.00707123	0.00675056	0.00637219	0.00037838	0.34632874	0.99999994
Gm16793	0.00329804	0.00335719	0.00297962	0.00037757	0.19948359	0.99999994
Atp6v1e2	0.00202091	0.00220491	0.00182738	0.00037753	0.08453769	0.99999994
Ammecr1	0.04184535	0.03721833	0.03684113	0.0003772	0.47283264	0.99999994
Rbm45	0.02227094	0.02024145	0.01986483	0.00037662	0.44978717	0.99999994
Fiz1	0.2267959	0.17447418	0.17409837	0.00037581	0.49426803	0.99999994
Grm2	0.00439015	0.00433865	0.00396334	0.00037531	0.26424019	0.99999994
Rnf17	0.00101529	0.00129389	0.00091868	0.00037521	0.00327817	0.19002633
Exosc9	0.18210105	0.14506942	0.14469448	0.00037494	0.49311919	0.99999994
Fkbp10	0.01018967	0.00953767	0.00916299	0.00037467	0.39274345	0.99999994
Nudt12	0.02873898	0.02589742	0.02552343	0.00037399	0.46115079	0.99999994
Gm13524	0.00550591	0.00534083	0.00496687	0.00037396	0.30812791	0.99999994
Pwwp2b	0.01417261	0.01308409	0.01271042	0.00037368	0.42242523	0.99999994
Trip6	0.0205634	0.01873601	0.01836279	0.00037322	0.44619153	0.99999994
Rsad1	0.01530948	0.01409198	0.01371949	0.00037249	0.4282926	0.99999994
Npr2	0.01680889	0.01541923	0.01504798	0.00037125	0.43477928	0.99999994
Prpf6	0.22773929	0.17506673	0.17469626	0.00037047	0.49436877	0.99999994
Reep4	0.1067204	0.09036155	0.08999126	0.00037029	0.48907475	0.99999994
Tagln3	0.01962958	0.01790875	0.01753989	0.00036886	0.4443371	0.99999994
Epn3	0.00898311	0.00845334	0.00808459	0.00036875	0.38071501	0.99999994
Mier3	0.06849589	0.05962797	0.05925976	0.00036821	0.48350488	0.99999994
Chrn4	0.01582984	0.01454903	0.01418083	0.0003682	0.43139326	0.99999994
Ndc80	0.00564683	0.00546083	0.00509351	0.00036732	0.31560504	0.99999994
Pcdhga6	0.00339406	0.0034328	0.00306616	0.00036664	0.21303533	0.99999994
Rpain	0.10911649	0.09220201	0.09183568	0.00036633	0.48940854	0.99999994
Plekhg6	0.01467024	0.0135186	0.0131523	0.0003663	0.42646408	0.99999994

Cyp2d26	0.00535888	0.00520087	0.00483472	0.00036615	0.30709098	0.99999994
Pm20d2	0.00408597	0.00405501	0.0036895	0.00036551	0.25480978	0.99999994
Chrng	0.00209204	0.00225694	0.0018916	0.00036534	0.0992942	0.99999994
Rapgef5	0.00297328	0.00305184	0.0026868	0.00036504	0.18290465	0.99999994
Cntn2	0.00209034	0.00225403	0.00189007	0.00036396	0.09996192	0.99999994
Ccm2l	0.00210467	0.00226513	0.00190301	0.00036212	0.1026454	0.99999994
Endou	0.00233185	0.00246901	0.00210809	0.00036092	0.12722436	0.99999994
Zfp773	0.00935809	0.00877948	0.00841993	0.00035954	0.388115	0.99999994
Tnfsf9	0.03232504	0.0289975	0.02863971	0.00035779	0.46686386	0.99999994
Dydc2	0.00666648	0.00636593	0.00600909	0.00035684	0.34631916	0.99999994
Tcerg1l	0.00203046	0.00219261	0.001836	0.00035661	0.09802545	0.99999994
Abcc12	0.00412228	0.00407668	0.0037222	0.00035449	0.26306501	0.99999994
Csmd2	0.00069524	0.00098365	0.00062923	0.00035442	8.87E-05	0.00831716
Gm43403	0.00814323	0.00768727	0.00733289	0.00035438	0.37384521	0.99999994
Gltpd2	0.00117984	0.00142149	0.00106747	0.00035402	0.01363795	0.53455393
Acp5	0.01603815	0.01471912	0.01436543	0.00035369	0.43491151	0.99999994
Gjb2	0.00159625	0.00179674	0.0014438	0.00035294	0.05185009	0.99999994
B3gnt2	0.00640523	0.00612581	0.00577462	0.00035119	0.34280691	0.99999994
Il11ra1	0.0281066	0.02532281	0.02497234	0.00035047	0.46278638	0.99999994
Ccdc102a	0.00709358	0.0067423	0.00639223	0.00035007	0.35772845	0.99999994
H3f3aos	0.00254564	0.00265106	0.00230103	0.00035002	0.15564074	0.99999994
Coch	0.00259201	0.00269194	0.00234288	0.00034906	0.1606669	0.99999994
Gm3550	0.02915923	0.02623807	0.0258894	0.00034868	0.46428375	0.99999994
Styx	0.00349248	0.00350348	0.00315486	0.00034861	0.23100923	0.99999994
Mcmdc2	0.00316985	0.00321201	0.00286406	0.00034795	0.20934968	0.99999994
Nr2f1	0.0020952	0.00224075	0.00189446	0.00034629	0.11185301	0.99999994
Gm37469	0.00201725	0.00216974	0.00182407	0.00034567	0.10358324	0.99999994
Ntan1	0.32703497	0.23312822	0.23278268	0.00034554	0.49605824	0.99999994
Fcgr1	0.00209427	0.00223831	0.00189361	0.0003447	0.11281839	0.99999994
Plk1	0.00917396	0.00859992	0.00825529	0.00034463	0.39055249	0.99999994

Socs5	0.05689858	0.0499448	0.04960021	0.00034459	0.48155798	0.99999994
Rtp4	0.00397667	0.00393538	0.00359107	0.0003443	0.26167371	0.99999994
Dbil5	0.00677682	0.00645139	0.0061081	0.00034329	0.35416184	0.99999994
Ptx3	0.00117441	0.00140576	0.00106256	0.0003432	0.01577826	0.5755633
Fam72a	0.01319757	0.01218684	0.01184376	0.00034308	0.42355152	0.99999994
Cnr1	0.00568209	0.00546742	0.00512519	0.00034223	0.32835041	0.99999994
Klhdc7a	0.00232094	0.00244027	0.00209825	0.00034202	0.13895838	0.99999994
Jam2	0.00117342	0.00140265	0.00106166	0.000341	0.01625973	0.58877176
Gpank1	0.10810406	0.09139813	0.09105723	0.0003409	0.49005942	0.99999994
Sel1l3	0.02198648	0.01995548	0.01961484	0.00034063	0.45398686	0.99999994
Adgra1	0.00673658	0.00641254	0.00607199	0.00034055	0.35445205	0.99999994
Lzts3	0.00343271	0.00344109	0.003101	0.00034009	0.23269485	0.99999994
Gm11716	0.00955088	0.00893169	0.00859227	0.00033941	0.39629823	0.99999994
Faap24	0.0616352	0.05390216	0.05356308	0.00033908	0.48319445	0.99999994
Prnt1	0.00341776	0.00342473	0.00308752	0.00033721	0.23362015	0.99999994
Aire	0.00373887	0.00371301	0.00337688	0.00033613	0.25380406	0.99999994
A330074K22	0.00347034	0.00347081	0.00313491	0.0003359	0.23785692	0.99999994
Gm29417	0.00240911	0.00251372	0.00217783	0.00033589	0.15229627	0.99999994
D430019H16	0.0505098	0.04455175	0.04421596	0.00033579	0.47984165	0.99999994
Bcas1	0.00283585	0.00289824	0.00256286	0.00033538	0.19185696	0.99999994
Rnf112	0.02783869	0.02507362	0.02473873	0.00033489	0.46410136	0.99999994
Dscaml1	0.00116887	0.00139197	0.00105755	0.00033442	0.01765018	0.61810138
Rab33a	0.00645651	0.00615408	0.00582066	0.00033342	0.35149354	0.99999994
Ica1l	0.00797691	0.00751726	0.00718392	0.00033334	0.37871502	0.99999994
Trpc4	0.00862438	0.00809665	0.00776363	0.00033302	0.38762037	0.99999994
Prph	0.00116365	0.00138564	0.00105283	0.00033282	0.01768109	0.61810138
1700029F12l	0.00292705	0.00297755	0.00264511	0.00033244	0.20141399	0.99999994
Camk2g	0.16926406	0.13617799	0.13584696	0.00033103	0.49352949	0.99999994
Ascl4	0.00132643	0.00153011	0.00119997	0.00033014	0.03352633	0.95607013
Sap30l	0.05067595	0.04468559	0.04435655	0.00032904	0.4803093	0.99999994

Cep152	0.01402639	0.01290871	0.01258053	0.00032818	0.43107414	0.99999994
Taf7l	0.00114312	0.00136224	0.00103426	0.00032798	0.0173936	0.61072978
Socs3	0.05670856	0.04976851	0.04944072	0.00032779	0.48239972	0.99999994
Gm527	0.00527655	0.00508798	0.00476071	0.00032728	0.32362116	0.99999994
Selplg	0.00413945	0.00406456	0.00373765	0.00032691	0.2802193	0.99999994
Nmnat1	0.04607154	0.0407745	0.04044882	0.00032568	0.47862914	0.99999994
Gm17634	0.00327967	0.00328797	0.00296305	0.00032492	0.23272277	0.99999994
Tbxa2r	0.00877551	0.00822349	0.00789887	0.00032462	0.39221188	0.99999994
Crtac1	0.00402662	0.00396015	0.00363606	0.00032409	0.27649099	0.99999994
Gm17056	0.00870073	0.00815599	0.00783195	0.00032403	0.39150667	0.99999994
Gm17541	0.01694575	0.01549291	0.0151691	0.00032381	0.44350462	0.99999994
Slamf6	0.00116054	0.00137279	0.00105002	0.00032278	0.02037021	0.68362409
Amhr2	0.00207752	0.0022001	0.00187849	0.00032161	0.12722527	0.99999994
Dhrs2	0.00327295	0.00327844	0.002957	0.00032144	0.23466526	0.99999994
Fstl5	0.00475666	0.00461378	0.00429315	0.00032063	0.30954961	0.99999994
Grid2	0.00151868	0.00169394	0.00137372	0.00032022	0.06037356	0.99999994
Mcam	0.00707655	0.00669583	0.00637696	0.00031887	0.36962657	0.99999994
Nkain4	0.0058936	0.00563407	0.00531521	0.00031886	0.34483148	0.99999994
Gm13179	0.00115479	0.00136325	0.00104482	0.00031843	0.02124512	0.70117707
B230369F24	0.00930528	0.00869099	0.00837271	0.00031828	0.4001212	0.99999994
Elmo1	0.00804668	0.00756415	0.00724642	0.00031774	0.3851952	0.99999994
Mrpl53	0.00115827	0.00136518	0.00104796	0.00031721	0.0219599	0.71665561
S1pr4	0.0013499	0.00153808	0.00122118	0.0003169	0.04205201	0.99999994
Thsd7a	0.00452763	0.00440364	0.00408708	0.00031656	0.30308284	0.99999994
Zfyve9	0.07029992	0.06106539	0.06074928	0.00031611	0.48618496	0.99999994
Glcci1	0.00832498	0.00781137	0.00749562	0.00031574	0.38958977	0.99999994
Epb41l5	0.11902194	0.09969931	0.09938427	0.00031503	0.49158305	0.99999994
Hapln1	0.00767621	0.00722937	0.00691453	0.00031484	0.38091091	0.99999994
Gm16576	0.00317103	0.00317918	0.00286511	0.00031407	0.23280115	0.99999994
Mfsd9	0.00690856	0.00654001	0.00622628	0.00031374	0.36865868	0.99999994

Rbpms2	0.00272694	0.00277742	0.00246461	0.00031281	0.19910133	0.99999994
Gm42875	0.0020636	0.00217754	0.00186592	0.00031162	0.13314686	0.99999994
Katnbl1	0.15025087	0.12270967	0.12239843	0.00031124	0.49324784	0.99999994
Gm6356	0.0068393	0.00647525	0.00616415	0.0003111	0.36845635	0.99999994
Mtnr1a	0.00285868	0.00289385	0.00258345	0.0003104	0.21192252	0.99999994
Onecut3	0.00115348	0.00135375	0.00104363	0.00031012	0.02396701	0.76718503
Cav2	0.00705976	0.0066711	0.0063619	0.00030921	0.37315056	0.99999994
Art1	0.00335948	0.00334388	0.003035	0.00030888	0.24906148	0.99999994
Chaf1a	0.01713245	0.01564183	0.01533431	0.00030752	0.44690315	0.99999994
Man1a2	0.22802466	0.17518421	0.17487694	0.00030727	0.49533426	0.99999994
Tmem179	0.02228516	0.02018448	0.01987733	0.00030715	0.45903836	0.99999994
Zbtb43	0.08097918	0.06980248	0.0694958	0.00030668	0.48828307	0.99999994
Dnmt3aos	0.00459838	0.00445726	0.00415075	0.00030652	0.31152066	0.99999994
Ngfr	0.00636142	0.00604167	0.0057353	0.00030636	0.36108431	0.99999994
Hsd17b11	0.09600979	0.08190999	0.081604	0.00030598	0.49004391	0.99999994
Psmc3ip	0.06893305	0.05992653	0.05962103	0.00030551	0.48639543	0.99999994
Doc2a	0.00648149	0.00614849	0.00584308	0.00030541	0.36395057	0.99999994
Magi3	0.01233826	0.0113844	0.01107902	0.00030539	0.42721126	0.99999994
4732419C18I	0.00114576	0.00134148	0.00103665	0.00030483	0.02515298	0.79556275
Slc25a31	0.00293612	0.00295774	0.00265329	0.00030445	0.22249952	0.99999994
Slc4a10	0.00189109	0.00201458	0.00171014	0.00030445	0.11800993	0.99999994
Npas1	0.00332743	0.00330855	0.00300611	0.00030244	0.2515306	0.99999994
Cenpl	0.02625971	0.02366253	0.02336021	0.00030232	0.46567634	0.99999994
Il9r	0.00114538	0.00133834	0.00103631	0.00030204	0.0261889	0.81698086
Rfx8	0.00114674	0.00133951	0.00103754	0.00030197	0.02635393	0.81859587
6330409D20I	0.00114642	0.00133922	0.00103725	0.00030197	0.02632266	0.81859587
Kctd17	0.00114682	0.00133923	0.00103761	0.00030162	0.0265	0.81943852
Artn	0.00588815	0.00561193	0.00531031	0.00030161	0.35269086	0.99999994
6820408C15I	0.00117795	0.00136727	0.00106575	0.00030152	0.02983625	0.87914907
Cxcr2	0.00158412	0.00173405	0.00143284	0.00030122	0.08085853	0.99999994

Dhx30	0.28128129	0.20747655	0.20717598	0.00030057	0.49614748	0.99999994
Wee1	0.01157848	0.01070247	0.01040212	0.00030035	0.42379444	0.99999994
Slc35f3	0.00622349	0.00591053	0.00561147	0.00029906	0.3613907	0.99999994
Fgd6	0.11488906	0.09654885	0.09624979	0.00029905	0.49174979	0.99999994
Gm19325	0.00525773	0.00504246	0.00474379	0.00029867	0.33757449	0.99999994
Dcst2	0.00159339	0.00173978	0.00144122	0.00029856	0.08395856	0.99999994
4933411E06I	0.00159693	0.00174282	0.00144442	0.0002984	0.08454507	0.99999994
Amd2	0.00375318	0.00368816	0.00338976	0.0002984	0.2789539	0.99999994
Gins4	0.19488561	0.15362239	0.15332435	0.00029804	0.49483818	0.99999994
Gm10425	0.00146164	0.00161994	0.00132217	0.00029777	0.06692356	0.99999994
Nkain1	0.00160588	0.00174984	0.0014525	0.00029734	0.08649943	0.99999994
Pctp	0.02045094	0.01856069	0.01826374	0.00029695	0.45690828	0.99999994
Asic4	0.00250603	0.00256204	0.00226529	0.00029675	0.1916121	0.99999994
Zfp804a	0.00265601	0.00269709	0.00240062	0.00029648	0.2055198	0.99999994
Far2os1	0.00224791	0.00232864	0.00203232	0.00029632	0.16589642	0.99999994
Gm15318	0.00575674	0.00548839	0.00519227	0.00029613	0.35211172	0.99999994
L2hgdh	0.03380082	0.03021335	0.02991785	0.0002955	0.47379034	0.99999994
Chodl	0.00200895	0.00211198	0.00181657	0.00029541	0.13952762	0.99999994
Itgam	0.00416861	0.00405862	0.00376391	0.00029471	0.30111989	0.99999994
Tspan31	0.55310296	0.33508076	0.33478644	0.00029432	0.49766546	0.99999994
Scn11a	0.00288054	0.00289684	0.00260317	0.00029368	0.22634257	0.99999994
Gpm6b	0.00940733	0.00875676	0.00846395	0.00029281	0.40893842	0.99999994
Ptcra	0.00421616	0.00409737	0.00380672	0.00029065	0.30564657	0.99999994
Espnl	0.00113873	0.00132078	0.0010303	0.00029048	0.03028044	0.88731712
Gm17705	0.00354846	0.00349563	0.00320531	0.00029032	0.27329113	0.99999994
A230083G16	0.00112919	0.00131164	0.00102167	0.00028997	0.02943393	0.87375476
Nepro	0.01242489	0.01144582	0.01115615	0.00028967	0.43139197	0.99999994
Peli2	0.02035648	0.01846849	0.01818054	0.00028795	0.45801899	0.99999994
Mdfic	0.00238966	0.0024476	0.00216027	0.00028733	0.18798546	0.99999994
Sfxn4	0.06771446	0.05889968	0.05861348	0.0002862	0.48703572	0.99999994

Fancg	0.03211755	0.02874555	0.02845981	0.00028574	0.47335807	0.99999994
Pdcd1	0.00526735	0.0050378	0.00475243	0.00028536	0.34469411	0.99999994
Usp43	0.00598806	0.00568484	0.00540006	0.00028478	0.36278142	0.99999994
lqcd	0.00720847	0.00678002	0.00649525	0.00028476	0.38521032	0.99999994
Prkaa2	0.01685316	0.01537173	0.01508716	0.00028457	0.45004361	0.99999994
Krtap16-1	0.00573367	0.00545579	0.00517154	0.00028426	0.35723064	0.99999994
Topbp1	0.04575263	0.04046135	0.04017728	0.00028406	0.48123193	0.99999994
Phxr4	0.00328524	0.00324853	0.00296808	0.00028045	0.26469137	0.99999994
Gm17501	0.00198989	0.0020798	0.00179937	0.00028043	0.14977612	0.99999994
Car13	0.00250322	0.002543	0.00226276	0.00028024	0.20486421	0.99999994
Klk14	0.00159304	0.00172091	0.0014409	0.00028002	0.09790923	0.99999994
Rpgrip1	0.00885901	0.00825344	0.00797358	0.00027986	0.40763731	0.99999994
Sox8	0.00642287	0.00607029	0.00579047	0.00027982	0.37385222	0.99999994
Tnfrsf10b	0.00817852	0.00764423	0.00736449	0.00027974	0.4001959	0.99999994
Gm3289	0.00157742	0.00170638	0.00142679	0.00027959	0.09605386	0.99999994
Wscd1	0.04631353	0.0409338	0.04065478	0.00027902	0.48178136	0.99999994
Crabp2	0.00659887	0.00622586	0.00594843	0.00027744	0.3781076	0.99999994
Atp2b3	0.00112751	0.00129659	0.00102016	0.00027644	0.03563945	0.99497107
Rasgrp4	0.0029359	0.00292918	0.00265309	0.00027609	0.24425099	0.99999994
Gm14302	0.00204074	0.00212078	0.00184528	0.00027549	0.16016669	0.99999994
Lrrc3b	0.00274453	0.00275579	0.00248048	0.00027531	0.23001372	0.99999994
Arl5c	0.00175775	0.00186438	0.0015897	0.00027468	0.12504341	0.99999994
Nlgn3	0.00280503	0.00280968	0.00253505	0.00027462	0.23542799	0.99999994
Rasa1	0.02153794	0.01949507	0.01922047	0.0002746	0.46211848	0.99999994
Osgin2	0.05224827	0.04595988	0.04568556	0.00027433	0.48405892	0.99999994
Gm9242	0.00708797	0.00666149	0.0063872	0.00027429	0.38749691	0.99999994
Rps6ka6	0.02532781	0.02281947	0.02254526	0.00027422	0.4677362	0.99999994
Polq	0.00173622	0.00184362	0.00157025	0.00027337	0.12326221	0.99999994
Phox2b	0.00112325	0.0012894	0.0010163	0.0002731	0.03683167	0.99999994
B9d1os	0.00112499	0.00128959	0.00101787	0.00027172	0.03779302	0.99999994

Ly6g5b	0.00201493	0.00209354	0.00182198	0.00027156	0.16057177	0.99999994
Cyyr1	0.00155108	0.00167443	0.00140299	0.00027144	0.09890307	0.99999994
Nckap5l	0.01247893	0.01147536	0.01120426	0.00027109	0.43602528	0.99999994
Gm9857	0.0013963	0.00153415	0.00126312	0.00027103	0.07660518	0.99999994
Phtf2	0.0202436	0.01835206	0.01808109	0.00027097	0.46026935	0.99999994
Acot7	0.01652729	0.01506962	0.01479868	0.00027094	0.45150255	0.99999994
Hck	0.00402939	0.00390892	0.00363855	0.00027037	0.31043687	0.99999994
Fbxl12os	0.02027368	0.01837754	0.01810759	0.00026995	0.46047626	0.99999994
1700003F12l	0.00200008	0.00207845	0.00180856	0.00026989	0.16027642	0.99999994
Pygb	0.01406642	0.01288584	0.01261609	0.00026976	0.44341119	0.99999994
Pdlim5	0.0602016	0.05263531	0.05236626	0.00026906	0.48635864	0.99999994
Grap2	0.00409421	0.00396585	0.00369692	0.00026893	0.31411677	0.99999994
Apoc4	0.00132589	0.00146836	0.00119948	0.00026888	0.06783382	0.99999994
Zfp91	0.25681396	0.19295169	0.1926829	0.00026879	0.49629564	0.99999994
Cers4	0.04437592	0.03927199	0.03900377	0.00026821	0.48174563	0.99999994
Rnf224	0.00112347	0.00128469	0.0010165	0.00026819	0.03952958	0.99999994
0610025J13F	0.00199059	0.002068	0.0018	0.000268	0.16082844	0.99999994
Mapk4	0.00547362	0.00520552	0.00493785	0.00026767	0.35911286	0.99999994
A330041J22F	0.00221324	0.00226734	0.00200103	0.00026632	0.18783557	0.99999994
Fas	0.00111253	0.00127244	0.00100661	0.00026583	0.03938863	0.99999994
Acot3	0.00111754	0.00127691	0.00101114	0.00026577	0.04009437	0.99999994
lqsec3	0.00154381	0.0016619	0.00139642	0.00026549	0.10284564	0.99999994
Gm15410	0.00157616	0.00169113	0.00142565	0.00026548	0.10757269	0.99999994
Rad51	0.01305002	0.01197782	0.01171251	0.00026531	0.44007409	0.99999994
Arl5b	0.08520254	0.07318669	0.07292165	0.00026504	0.49034914	0.99999994
Zfp772	0.02533184	0.02281354	0.02254878	0.00026476	0.46885167	0.99999994
Kifc1	0.00407126	0.00394101	0.00367626	0.00026476	0.31583519	0.99999994
Tmem88	0.00326973	0.00321873	0.0029541	0.00026464	0.27548899	0.99999994
4930448E22l	0.00149219	0.00161438	0.00134977	0.00026461	0.09595877	0.99999994
Ints7	0.03576653	0.03188039	0.03161641	0.00026398	0.47783953	0.99999994

Pex5	0.1041013	0.08823055	0.08796694	0.00026362	0.49204264	0.99999994
Hoxa7	0.00111936	0.00127619	0.00101278	0.00026341	0.04170685	0.99999994
Tbx18	0.0013413	0.0014768	0.00121341	0.0002634	0.07424101	0.99999994
Wnt9a	0.01084658	0.01001237	0.00974939	0.00026297	0.42875494	0.99999994
Cd46	0.00519371	0.00494914	0.00468623	0.00026291	0.35440816	0.99999994
Rab43	0.0253331	0.02281269	0.02254988	0.00026281	0.46908231	0.99999994
1700022N22	0.00592107	0.00560204	0.00533988	0.00026215	0.37191517	0.99999994
1700016H13	0.00175601	0.00184943	0.00158813	0.00026131	0.13671035	0.99999994
Siglece	0.00233574	0.0023727	0.00211161	0.00026109	0.20524509	0.99999994
Gata5os	0.0032289	0.00317741	0.00291728	0.00026013	0.27641197	0.99999994
Krt14	0.00267395	0.00267679	0.00241681	0.00025998	0.23698419	0.99999994
Rasl10b	0.00939269	0.0087105	0.00845086	0.00025963	0.41898053	0.99999994
Nanos3	0.02242216	0.02025711	0.01999769	0.00025943	0.46559334	0.99999994
Gm29019	0.00600342	0.0056731	0.00541385	0.00025925	0.37495606	0.99999994
Nlgn1	0.00111733	0.00127016	0.00101095	0.00025921	0.04394141	0.99999994
Gfpt2	0.00275874	0.00275227	0.0024933	0.00025898	0.24466016	0.99999994
Lrrc75a	0.02760014	0.02478944	0.02453065	0.00025878	0.47200939	0.99999994
4930430F08I	0.07954883	0.06858973	0.06833131	0.00025842	0.48995814	0.99999994
Uts2b	0.00111365	0.001266	0.00100762	0.00025838	0.0439233	0.99999994
2010007H06I	0.00234009	0.00237388	0.00211554	0.00025834	0.20814939	0.99999994
Tmub2	0.2099704	0.16353669	0.16327897	0.00025771	0.49580877	0.99999994
2810455O05	0.00559475	0.0053041	0.00504671	0.00025739	0.36712327	0.99999994
Cmya5	0.00379333	0.00368324	0.00342593	0.00025731	0.30856218	0.99999994
Slc34a3	0.00228465	0.00232266	0.00206549	0.00025717	0.20361762	0.99999994
Fign	0.00843226	0.00784883	0.00759167	0.00025716	0.41080457	0.99999994
Vrk2	0.02287119	0.02064905	0.02039203	0.00025701	0.46657037	0.99999994
Ly6a	0.00126972	0.00140563	0.00114871	0.00025692	0.06827444	0.99999994
Tpgs2	0.11619511	0.09749896	0.09724264	0.00025631	0.49300102	0.99999994
Hyou1	0.32121964	0.2298855	0.2296322	0.0002533	0.49707081	0.99999994
Piwil4	0.00434979	0.0041801	0.00392701	0.00025308	0.33396881	0.99999994

Gm38250	0.00244075	0.00245943	0.00220638	0.00025305	0.22261026	0.99999994
Bax	1.31030068	0.42468404	0.42443137	0.00025267	0.49841915	0.99999994
Ralb	0.22156913	0.17102174	0.1707692	0.00025255	0.49607287	0.99999994
Map2k1	0.41118024	0.27544353	0.27519101	0.00025252	0.49756325	0.99999994
C130074G19	0.00155874	0.00166177	0.00140991	0.00025186	0.11720569	0.99999994
Rasip1	0.01803201	0.01638146	0.01612969	0.00025177	0.45862435	0.99999994
Mapk11	0.00110266	0.00124864	0.00099768	0.00025095	0.04703516	0.99999994
Rhox3c	0.00110915	0.00125449	0.00100355	0.00025094	0.04801169	0.99999994
Zfp65	0.0289481	0.0259561	0.02570556	0.00025053	0.47413708	0.99999994
Aldh1a7	0.00227346	0.00230506	0.00205539	0.00024967	0.20938727	0.99999994
Hsd17b7	0.04533657	0.04007216	0.03982286	0.00024931	0.48338011	0.99999994
Gpr6	0.00296318	0.00292657	0.00267769	0.00024888	0.26806293	0.99999994
Gm4799	0.00873817	0.00811415	0.00786545	0.00024869	0.41665239	0.99999994
6720483E21I	0.00185582	0.00192679	0.00167828	0.00024851	0.16216013	0.99999994
Lrrc4b	0.00265307	0.00264569	0.00239797	0.00024772	0.24584184	0.99999994
Gm37233	0.00258425	0.00258353	0.00233588	0.00024766	0.24017742	0.99999994
Gm10647	0.00063496	0.00082047	0.0005747	0.00024577	0.00220927	0.13925008
Cutal	0.06258017	0.05459539	0.05435075	0.00024464	0.48804897	0.99999994
Adamtsl5	0.00258234	0.00257867	0.00233415	0.00024452	0.24280197	0.99999994
Phf24	0.00063393	0.0008178	0.00057376	0.00024404	0.00231903	0.14554169
Chil5	0.00371975	0.00360263	0.00335965	0.00024298	0.3151137	0.99999994
Gm13814	0.00110427	0.00124202	0.00099915	0.00024287	0.05282818	0.99999994
Gm6741	0.00063318	0.00081587	0.00057309	0.00024278	0.00240166	0.14955019
Akr1c14	0.00381843	0.00369132	0.00344854	0.00024278	0.31967236	0.99999994
Trabd2b	0.00063281	0.00081491	0.00057275	0.00024216	0.00244388	0.15099967
Lsmp	0.00223453	0.00226238	0.00202025	0.00024213	0.2124969	0.99999994
6030445D17I	0.00063262	0.00081443	0.00057258	0.00024185	0.00246522	0.15173012
Galnt7	0.04831196	0.04259504	0.04235322	0.00024182	0.48484168	0.99999994
Selp	0.00063253	0.00081419	0.00057249	0.00024169	0.00247595	0.15180428
Ccl17	0.00321177	0.00314326	0.00290185	0.00024141	0.28987567	0.99999994

5330439B14	0.00151429	0.00161023	0.00136975	0.00024048	0.12127662	0.99999994
Gdf15	0.00221217	0.00224047	0.00200006	0.00024041	0.211827	0.99999994
Pde9a	0.01737716	0.01579094	0.01555077	0.00024017	0.45905927	0.99999994
Gm15917	0.00274971	0.00272522	0.00248515	0.00024007	0.26010889	0.99999994
Ppp1r42	0.00498251	0.00473573	0.00449631	0.00023943	0.3615019	0.99999994
Slc28a2	0.00063113	0.0008106	0.00057123	0.00023937	0.00264156	0.16011051
Gm15991	0.00063113	0.0008106	0.00057123	0.00023937	0.00264156	0.16011051
Cyth4	0.02674054	0.0240189	0.0237803	0.00023859	0.47337641	0.99999994
Gm37245	0.00379874	0.00366923	0.00343081	0.00023842	0.32183522	0.99999994
Atp8a2	0.00695774	0.00650875	0.0062704	0.00023835	0.40012618	0.99999994
Gm43660	0.00109868	0.00123236	0.00099409	0.00023827	0.05530391	0.99999994
Gm36937	0.0006303	0.00080845	0.00057048	0.00023798	0.00274524	0.163902
Ccdc189	0.10602457	0.08969225	0.0894543	0.00023796	0.49293644	0.99999994
Chst5	0.00209145	0.00212891	0.00189107	0.00023784	0.20124955	0.99999994
2900089D17	0.00490016	0.00465983	0.00442225	0.00023758	0.36031695	0.99999994
Cd3e	0.00062974	0.00080703	0.00056997	0.00023706	0.0028162	0.16751162
Adap2os	0.00142757	0.00152835	0.00129138	0.00023696	0.110965	0.99999994
4930500M09	0.00155179	0.00164044	0.00140363	0.00023681	0.13071873	0.99999994
Hddc2	0.24496251	0.18569002	0.18545331	0.00023671	0.49661055	0.99999994
Usp27x	0.01608939	0.01464746	0.01441083	0.00023663	0.45648186	0.99999994
Ttbk1	0.00232429	0.00233763	0.00210127	0.00023636	0.22700558	0.99999994
Ifi203	0.00169092	0.00176533	0.00152933	0.000236	0.15216382	0.99999994
Mamld1	0.06247082	0.05449536	0.05425966	0.00023571	0.48846587	0.99999994
Tiam1	0.01204512	0.01105266	0.01081793	0.00023473	0.44258085	0.99999994
Gm15969	0.00062827	0.00080326	0.00056864	0.00023462	0.00301287	0.17788196
Pcdhgb7	0.00197942	0.00202449	0.00178991	0.00023457	0.19151098	0.99999994
Tmem88b	0.00784968	0.00730448	0.00706995	0.00023453	0.41262021	0.99999994
Tprkb	0.13574302	0.11208678	0.11185262	0.00023416	0.4944409	0.99999994
Gm3667	0.00211825	0.00214894	0.00191527	0.00023367	0.20836271	0.99999994
Clpb	0.1455443	0.11923652	0.11900474	0.00023177	0.49482828	0.99999994

Hamp	0.00223962	0.00225637	0.00202484	0.00023153	0.22329312	0.99999994
Cd36	0.0020534	0.00208823	0.00185671	0.00023152	0.20327075	0.99999994
Cfap54	0.01131869	0.01040066	0.0101705	0.00023016	0.44013201	0.99999994
Npr3	0.00108816	0.0012143	0.00098457	0.00022973	0.06019354	0.99999994
Matn3	0.00062471	0.00079418	0.00056542	0.00022876	0.00353987	0.20012082
Frmd3	0.00062435	0.00079326	0.00056509	0.00022817	0.00359794	0.20124465
Gm26511	0.00171531	0.00177932	0.00155136	0.00022796	0.16401251	0.99999994
2310081003	0.00149609	0.00158125	0.0013533	0.00022794	0.13110931	0.99999994
Csf3	0.00533139	0.00503772	0.00481	0.00022771	0.37633437	0.99999994
Gabra1	0.0006238	0.00079188	0.0005646	0.00022728	0.00368649	0.2041321
Cp	0.00062295	0.0007897	0.00056382	0.00022588	0.00383033	0.20952724
Gm2155	0.0006229	0.00078959	0.00056378	0.00022581	0.00383802	0.20952724
Chst8	0.06964398	0.06043381	0.0602081	0.00022571	0.49004601	0.99999994
Unc13c	0.00131175	0.00141221	0.0011867	0.0002255	0.10295738	0.99999994
Maf	0.00810972	0.00752836	0.00730288	0.00022549	0.41858061	0.99999994
Brat1	0.02598254	0.0233434	0.02311793	0.00022547	0.47411889	0.99999994
Agmat	0.00154076	0.001619	0.00139366	0.00022535	0.14089925	0.99999994
Stat4	0.00152015	0.0015998	0.00137504	0.00022476	0.13829076	0.99999994
Il16	0.00108068	0.00120251	0.00097781	0.00022469	0.06306185	0.99999994
Pdcd2	0.2147622	0.16661495	0.16639027	0.00022468	0.49641433	0.99999994
Mreg	0.01440018	0.01313674	0.01291253	0.00022421	0.45399241	0.99999994
Xntrpc	0.00109142	0.00121154	0.00098752	0.00022402	0.06552233	0.99999994
Gm6938	0.00062173	0.00078663	0.00056273	0.0002239	0.00404257	0.21763658
Sval2	0.00062173	0.00078663	0.00056273	0.0002239	0.00404257	0.21763658
Gm16208	0.00062173	0.00078663	0.00056273	0.0002239	0.00404257	0.21763658
P2ry14	0.0010849	0.00120544	0.00098163	0.00022381	0.06454999	0.99999994
Synj2	0.00980172	0.00904009	0.00881645	0.00022365	0.43295709	0.99999994
Kif7	0.00287964	0.0028259	0.00260235	0.00022355	0.28372916	0.99999994
Gm26555	0.00108898	0.00120879	0.00098532	0.00022347	0.06556317	0.99999994
Gm28592	0.00107312	0.00119372	0.00097097	0.00022274	0.06338228	0.99999994

Gm34342	0.00062101	0.00078482	0.00056208	0.00022274	0.00417279	0.22321601
Hic1	0.00269447	0.00265737	0.00243532	0.00022205	0.27194916	0.99999994
4933408N05	0.01438008	0.01311668	0.01289468	0.000222	0.45438187	0.99999994
Lhpp	0.01990513	0.01800473	0.01778282	0.00022191	0.46689977	0.99999994
Gm12280	0.00062021	0.00078278	0.00056135	0.00022143	0.00432333	0.22896418
Asic2	0.004791	0.00454538	0.00432405	0.00022133	0.36665998	0.99999994
Pdzd2	0.00316176	0.00307777	0.00285676	0.00022101	0.30328993	0.99999994
Pcdhb12	0.00258236	0.00255502	0.00233417	0.00022085	0.2644149	0.99999994
Ren1	0.0022925	0.00229291	0.00207257	0.00022034	0.23958461	0.99999994
Mkl	0.00302758	0.00295563	0.00273577	0.00021986	0.29634884	0.99999994
Clspn	0.01105561	0.01015543	0.00993587	0.00021956	0.44153048	0.99999994
Tgm1	0.00198658	0.00201555	0.00179637	0.00021917	0.20835727	0.99999994
Hook3	0.20066765	0.15738751	0.15716868	0.00021883	0.49630277	0.99999994
Pcdhb10	0.0051257	0.00484359	0.00462508	0.00021851	0.37657839	0.99999994
Daw1	0.00141084	0.00149454	0.00127626	0.00021828	0.12747144	0.99999994
Nhlh2	0.00239812	0.00238578	0.00216791	0.00021787	0.25176503	0.99999994
Prss44	0.0010652	0.00118142	0.00096382	0.0002176	0.06644978	0.99999994
Mid1	0.03251874	0.02902514	0.02880762	0.00021752	0.47995722	0.99999994
Fgf7	0.00061755	0.00077607	0.00055894	0.00021713	0.00485726	0.24896956
Ttpa	0.00730999	0.00680301	0.00658628	0.00021673	0.41330904	0.99999994
A930014E10	0.00145164	0.0015298	0.00131313	0.00021666	0.13603907	0.99999994
Gm11232	0.0006171	0.00077496	0.00055854	0.00021642	0.00495121	0.25216358
Adrb3	0.0006171	0.00077496	0.00055854	0.00021642	0.00495121	0.25216358
Gja6	0.00192063	0.00195302	0.00173682	0.00021621	0.20365881	0.99999994
Rptoros	0.02079233	0.01878034	0.01856436	0.00021598	0.46913645	0.99999994
Gm16499	0.00061675	0.00077408	0.00055822	0.00021586	0.00502742	0.2544193
4930433N12	0.00061675	0.00077408	0.00055822	0.00021586	0.00502742	0.2544193
Vgll2	0.00107335	0.00118659	0.00097119	0.0002154	0.0699286	0.99999994
Zfp831	0.00108467	0.00119673	0.00098142	0.00021531	0.07210481	0.99999994
Gm16143	0.00234135	0.00233186	0.00211667	0.0002152	0.24928792	0.99999994

Zfp68	0.15405022	0.12533399	0.12511916	0.00021483	0.4954405	0.99999994
Angel2	0.21948331	0.16964706	0.16943243	0.00021462	0.49663626	0.99999994
Fam163b	0.0070448	0.00656188	0.00634848	0.0002134	0.41147558	0.99999994
Lama1	0.00236106	0.0023478	0.00213446	0.00021334	0.25292438	0.99999994
Adamts15	0.00198637	0.00200949	0.00179619	0.00021331	0.21462181	0.99999994
Cap2	0.00108305	0.00119297	0.00097995	0.00021302	0.07395587	0.99999994
3110082J24F	0.00061473	0.00076902	0.00055639	0.00021262	0.00548418	0.27319783
Gm10522	0.00104929	0.00116185	0.00094943	0.00021242	0.06821513	0.99999994
Zfp11	0.00677436	0.00631712	0.00610589	0.00021123	0.40893979	0.99999994
Rag1	0.00061345	0.00076582	0.00055524	0.00021058	0.00579244	0.28587416
Pcdh19	0.00126156	0.00135177	0.00114134	0.00021044	0.10985713	0.99999994
Dchs1	0.00701069	0.0065283	0.00631789	0.00021041	0.4122818	0.99999994
Colq	0.00108059	0.00118781	0.00097773	0.00021008	0.07632691	0.99999994
Rundc1	0.09263408	0.07911476	0.07890492	0.00020985	0.49293808	0.99999994
Pgm5	0.00303015	0.00294722	0.00273809	0.00020913	0.30558918	0.99999994
Gm26596	0.00153533	0.00159785	0.00138876	0.0002091	0.15812363	0.99999994
Gm26877	0.00153337	0.00159574	0.00138698	0.00020876	0.15820059	0.99999994
Drd4	0.00107952	0.00118518	0.00097677	0.00020841	0.07776503	0.99999994
Fam25c	0.00061195	0.00076207	0.00055387	0.00020819	0.00617449	0.30100158
Bcl2a1a	0.00061195	0.00076207	0.00055387	0.00020819	0.00617449	0.30100158
Gm36186	0.00607	0.00568153	0.00547364	0.00020789	0.40020974	0.99999994
Itgb7	0.00149066	0.001556	0.00134839	0.00020761	0.15271822	0.99999994
Gimap1	0.00564147	0.00529553	0.00508869	0.00020684	0.39336344	0.99999994
Nog	0.00102669	0.00113479	0.000929	0.0002058	0.0701632	0.99999994
5730596B20	0.00061014	0.00075756	0.00055223	0.00020532	0.00666403	0.31901281
Camk2d	0.03910265	0.03469321	0.034489	0.00020421	0.4842805	0.99999994
Ccr7	0.0010653	0.00116781	0.0009639	0.00020391	0.07955074	0.99999994
C330011M18	0.00701808	0.00652778	0.00632452	0.00020326	0.41530292	0.99999994
Cdc6	0.00722825	0.00671583	0.00651299	0.00020284	0.4178858	0.99999994
4930507D05	0.00436558	0.00414355	0.00394123	0.00020232	0.36629028	0.99999994

4930547M16	0.00545679	0.00512489	0.00492273	0.00020216	0.3922901	0.99999994
Hnf1aos1	0.06839438	0.0593778	0.05917585	0.00020196	0.49093807	0.99999994
Gm13874	0.00060791	0.00075204	0.00055022	0.00020182	0.00731239	0.34692483
Ccr5	0.00107218	0.00117168	0.00097013	0.00020155	0.08334792	0.99999994
Nenf	0.95731815	0.42364733	0.42344587	0.00020146	0.49873661	0.99999994
Cacng6	0.00060757	0.0007512	0.00054991	0.00020128	0.00741642	0.34875697
Bgn	0.02035952	0.01838443	0.01818322	0.00020121	0.47064092	0.99999994
Mamdc4	0.00185105	0.00187446	0.00167397	0.00020049	0.21266124	0.99999994
Ttll10	0.01394277	0.01270632	0.01250623	0.0002001	0.4575926	0.99999994
Gm21693	0.00060672	0.00074909	0.00054914	0.00019995	0.00768164	0.3546359
F2	0.01372516	0.01251266	0.01231284	0.00019981	0.45699005	0.99999994
Mastl	0.00787571	0.00729305	0.00709327	0.00019978	0.42564286	0.99999994
Plscr4	0.00290897	0.0028282	0.0026288	0.0001994	0.30681857	0.99999994
5430427N15	0.00060604	0.00074742	0.00054853	0.00019889	0.00789917	0.36288384
Gm12766	0.00142232	0.00148517	0.00128663	0.00019854	0.15217779	0.99999994
Stap1	0.00106834	0.00116484	0.00096666	0.00019818	0.08618497	0.99999994
Spag4	0.00847303	0.00782626	0.00762817	0.00019809	0.43138225	0.99999994
D11Wsu47e	0.06362636	0.05541899	0.05522166	0.00019733	0.49051189	0.99999994
Arhgef33	0.00793098	0.0073401	0.00714279	0.00019731	0.42705534	0.99999994
Fbxo48	0.00060502	0.00074492	0.00054761	0.00019731	0.00823455	0.37291738
Hfm1	0.00104917	0.00114609	0.00094932	0.00019677	0.08384089	0.99999994
Gm15475	0.0006046	0.00074388	0.00054723	0.00019665	0.00837755	0.37684119
Muc2	0.0006046	0.00074388	0.00054723	0.00019665	0.00837755	0.37684119
Cabp4	0.00148657	0.00154073	0.00134469	0.00019604	0.1659246	0.99999994
Fut1	0.0247237	0.02221161	0.02201641	0.0001952	0.47646929	0.99999994
Zeb2os	0.0018407	0.00185982	0.00166462	0.00019519	0.21754168	0.99999994
Nab1	0.02148464	0.01936877	0.01917358	0.00019519	0.47298778	0.99999994
Clca3a1	0.00359622	0.00344301	0.00324835	0.00019466	0.34498647	0.99999994
Bbs1	0.02129066	0.01919732	0.01900294	0.00019438	0.47285855	0.99999994
Tmem213	0.00548191	0.00513965	0.00494531	0.00019434	0.39682111	0.99999994

Tescl	0.00467155	0.00440993	0.00421658	0.00019335	0.38009806	0.99999994
Kdm5d	0.0461646	0.04072073	0.04052804	0.00019269	0.48737637	0.99999994
Kcnj2	0.00297264	0.00287877	0.00268623	0.00019254	0.31664564	0.99999994
Dtna	0.00306979	0.00296619	0.00277384	0.00019235	0.32218718	0.99999994
Lpar1	0.00918972	0.00846143	0.00826938	0.00019205	0.43857341	0.99999994
Eras	0.00060142	0.00073607	0.00054435	0.00019172	0.00952928	0.42079308
Flywch2	0.13513611	0.11159769	0.11140602	0.00019167	0.49543138	0.99999994
Acd	0.32142157	0.22993358	0.22974208	0.0001915	0.49778654	0.99999994
Pcp4l1	0.00299753	0.00289989	0.00270867	0.00019121	0.31921722	0.99999994
Fam83d	0.00404169	0.00384047	0.00364963	0.00019084	0.36389623	0.99999994
Dnajc2	0.35445578	0.24743391	0.24724312	0.00019078	0.49795093	0.99999994
Srgn	0.0085311	0.00787081	0.00768014	0.00019067	0.43437179	0.99999994
Syn3	0.00260915	0.00254867	0.00235834	0.00019033	0.29555945	0.99999994
Gm5148	0.0040356	0.00383421	0.00364414	0.00019007	0.36422836	0.99999994
Gm37637	0.00059959	0.00073161	0.0005427	0.00018891	0.01025049	0.44524014
Fzd4	0.00366072	0.00349462	0.00330646	0.00018815	0.35242762	0.99999994
Lrrc40	0.08090673	0.06962494	0.06943686	0.00018808	0.49280758	0.99999994
Tceal7	0.00793097	0.00733074	0.00714277	0.00018797	0.43047464	0.99999994
Lrrc14b	0.00105014	0.00113768	0.0009502	0.00018748	0.09453368	0.99999994
Gm5218	0.00332593	0.00319217	0.00300476	0.00018742	0.33900601	0.99999994
Tlx2	0.00141967	0.0014716	0.00128424	0.00018736	0.16575088	0.99999994
Cep72	0.01170626	0.01070312	0.010516	0.00018712	0.45285889	0.99999994
Pcdhb2	0.00207864	0.00206652	0.00187951	0.00018701	0.2538911	0.99999994
Gm44107	0.00106027	0.00114622	0.00095936	0.00018686	0.09740698	0.99999994
Runx2	0.00059721	0.00072579	0.00054054	0.00018526	0.01126525	0.47887837
Gm21917	0.00059712	0.00072559	0.00054046	0.00018513	0.01130158	0.47914493
Gm15640	0.0010446	0.00113009	0.00094519	0.00018489	0.09644469	0.99999994
Plcd3	0.00148804	0.00153067	0.00134602	0.00018464	0.18059331	0.99999994
Gm3839	0.0005968	0.0007248	0.00054017	0.00018463	0.0114478	0.48405669
Exo1	0.00441788	0.00417287	0.0039883	0.00018457	0.37902772	0.99999994

Prss3	0.00161187	0.00164238	0.00145791	0.00018447	0.19982968	0.99999994
Ccdc88c	0.01017544	0.00933396	0.00915029	0.00018368	0.44685342	0.99999994
Tulp2	0.00228474	0.00224878	0.00206557	0.00018321	0.27746105	0.99999994
Mmp19	0.00148927	0.00153008	0.00134713	0.00018294	0.18300992	0.99999994
Tril	0.00320153	0.00307554	0.00289261	0.00018293	0.33689872	0.99999994
Six2	0.00059565	0.00072202	0.00053913	0.00018289	0.01197111	0.50170905
Krt13	0.00213018	0.00210877	0.00192604	0.00018273	0.26385055	0.99999994
Mir142hg	0.00142229	0.0014691	0.0012866	0.0001825	0.17254424	0.99999994
Armc3	0.0028042	0.00271657	0.0025343	0.00018227	0.31606747	0.99999994
Stmn4	0.00104634	0.00112894	0.00094676	0.00018218	0.10012477	0.99999994
Tssk4	0.00304059	0.00292959	0.00274751	0.00018209	0.32955393	0.99999994
Gm4131	0.00059508	0.00072064	0.00053862	0.00018203	0.01223958	0.5028638
D030025P21	0.00105812	0.00113901	0.00095741	0.0001816	0.1033721	0.99999994
Barhl2	0.00228265	0.0022452	0.00206368	0.00018152	0.27910995	0.99999994
Trp73	0.00360174	0.00343468	0.00325332	0.00018136	0.35529213	0.99999994
Gm11205	0.00149654	0.00153507	0.0013537	0.00018136	0.18625404	0.99999994
Slc9b1	0.00101439	0.00109923	0.00091787	0.00018136	0.09422379	0.99999994
2210417A02	0.00130898	0.00136523	0.00118419	0.00018104	0.1544321	0.99999994
Slc25a43	0.0065355	0.00607259	0.00589156	0.00018103	0.41896756	0.99999994
Gpc2	0.00569104	0.00531378	0.00513323	0.00018055	0.40744565	0.99999994
Hs6st2	0.00278841	0.00270061	0.00252007	0.00018054	0.31672466	0.99999994
Myb	0.00290971	0.00280979	0.00262947	0.00018031	0.32403151	0.99999994
Mis18a	0.05519157	0.04834632	0.04816602	0.00018031	0.49006039	0.99999994
Gria1	0.00059387	0.0007177	0.00053752	0.00018018	0.01283047	0.51649113
Sfta2	0.00059387	0.0007177	0.00053752	0.00018018	0.01283047	0.51649113
Kng1	0.00059387	0.0007177	0.00053752	0.00018018	0.01283047	0.51649113
Creb3l3	0.00251187	0.00245059	0.00227057	0.00018002	0.29883666	0.99999994
Ldoc1	0.00137594	0.00142459	0.00124472	0.00017987	0.1680479	0.99999994
Cd300a	0.00236364	0.00231664	0.00213679	0.00017985	0.28765051	0.99999994
Hoxa2	0.00100644	0.00109023	0.00091068	0.00017955	0.09469463	0.99999994

Brs3	0.0005933	0.00071633	0.000537	0.00017933	0.01311359	0.52260953
Gm15637	0.0005933	0.00071633	0.000537	0.00017933	0.01311359	0.52260953
Abcg5	0.0023563	0.00230946	0.00213017	0.0001793	0.2876478	0.99999994
1500009L16F	0.30698692	0.22197488	0.22179563	0.00017925	0.49785387	0.99999994
Rftn1	0.00352195	0.00336065	0.00318143	0.00017923	0.35383429	0.99999994
D17H6S53E	0.06382328	0.05556467	0.05538545	0.00017921	0.49140822	0.99999994
4930444P10I	0.00059298	0.00071555	0.00053671	0.00017884	0.01327752	0.52782269
Wdr62	0.00347045	0.00331381	0.00313502	0.00017879	0.35211349	0.99999994
Gm10373	0.00059282	0.00071516	0.00053657	0.0001786	0.01336006	0.52978304
Tns1	0.00964013	0.00885034	0.00867204	0.0001783	0.44557146	0.99999994
Lrrn3	0.0035511	0.00338595	0.00320769	0.00017825	0.35573124	0.99999994
Mmp23	0.00773056	0.00714145	0.00696323	0.00017822	0.4323615	0.99999994
Kcnj8	0.00611296	0.00569043	0.00551222	0.00017821	0.41480687	0.99999994
Tprg	0.00144741	0.00148747	0.00130931	0.00017816	0.18254019	0.99999994
Pla2g4a	0.00129957	0.00135359	0.0011757	0.00017789	0.15692863	0.99999994
Smad6	0.00536212	0.00501552	0.00483763	0.00017788	0.40332126	0.99999994
Col20a1	0.00440862	0.00415777	0.00397997	0.0001778	0.38309614	0.99999994
Fgf2	0.00099406	0.00107717	0.00089949	0.00017768	0.09427863	0.99999994
Gm29570	0.00059209	0.00071342	0.00053591	0.00017751	0.0137364	0.53669581
Gm28196	0.00105362	0.00113075	0.00095335	0.0001774	0.10774315	0.99999994
4632415L05F	0.0668448	0.05807079	0.05789345	0.00017734	0.4918663	0.99999994
Dnajb13	0.00148524	0.00152042	0.0013435	0.00017693	0.19035664	0.99999994
Cbln2	0.00187135	0.00186866	0.00169231	0.00017635	0.24395991	0.99999994
Ephb4	0.01157532	0.01057564	0.0103993	0.00017634	0.45506511	0.99999994
Gm29590	0.00059129	0.00071148	0.00053518	0.0001763	0.01416398	0.54741557
Gm12784	0.00199646	0.00198099	0.0018053	0.00017569	0.25856315	0.99999994
Gm20633	0.00104882	0.00112447	0.00094901	0.00017547	0.10921312	0.99999994
Tmprss3	0.00059073	0.00071013	0.00053468	0.00017546	0.01446928	0.55516698
BC028528	0.01283404	0.0116958	0.01152034	0.00017545	0.45962597	0.99999994
Rbp7	0.00141911	0.00145915	0.00128374	0.00017541	0.1815355	0.99999994

Unc5d	0.00059057	0.00070975	0.00053453	0.00017522	0.01455742	0.55516698
Drc7	0.00059057	0.00070975	0.00053453	0.00017522	0.01455742	0.55516698
Fgf14	0.00182962	0.00182971	0.00165462	0.00017509	0.24060529	0.99999994
Sidt1	0.0026895	0.00260584	0.00243083	0.00017501	0.31589136	0.99999994
Bmp4	0.00230574	0.00225913	0.00208453	0.0001746	0.288578	0.99999994
Zar1l	0.00288797	0.00278445	0.00260986	0.00017459	0.32805639	0.99999994
Slc25a32	0.0230599	0.02073228	0.02055769	0.00017459	0.47745962	0.99999994
A330033J07F	0.00059001	0.00070841	0.00053403	0.00017438	0.01486913	0.56301374
Tulp1	0.00186627	0.00186189	0.00168772	0.00017417	0.24606231	0.99999994
Gm12781	0.0010485	0.00112259	0.00094872	0.00017387	0.11125224	0.99999994
Rspo1	0.00360467	0.00342922	0.00325596	0.00017326	0.36159173	0.99999994
Dnah7b	0.00058905	0.00070611	0.00053316	0.00017295	0.01541525	0.56883004
Gm28178	0.00058905	0.00070611	0.00053316	0.00017295	0.01541525	0.56883004
Panct2	0.0065635	0.00608957	0.00591669	0.00017288	0.42289345	0.99999994
Cpne6	0.0012505	0.00130415	0.00113133	0.00017282	0.15462622	0.99999994
Gm42722	0.0005889	0.00070573	0.00053302	0.00017272	0.01550773	0.5696055
Kcnf1	0.0005889	0.00070573	0.00053302	0.00017272	0.01550773	0.5696055
Frmpd3	0.00058866	0.00070516	0.0005328	0.00017236	0.01564724	0.5734084
Olfml1	0.00105034	0.00112238	0.00095038	0.000172	0.11416223	0.99999994
Gm15853	0.00865856	0.00796621	0.00779422	0.000172	0.44161045	0.99999994
Trem2	0.00490051	0.00459453	0.00442256	0.00017197	0.39788167	0.99999994
Gm26852	0.00730379	0.00675251	0.00658071	0.0001718	0.43102106	0.99999994
4933405L10F	0.00058826	0.00070421	0.00053244	0.00017177	0.01588186	0.57801989
Hes5	0.0023433	0.00229016	0.00211843	0.00017173	0.29473552	0.99999994
Egln3	0.02164545	0.01948595	0.01931502	0.00017093	0.47651365	0.99999994
Paqr8	0.00467093	0.00438691	0.00421602	0.00017089	0.39365369	0.99999994
Crmp1	0.02823605	0.02525603	0.02508519	0.00017084	0.48192072	0.99999994
A830082K12	0.00253586	0.00246296	0.00229221	0.00017075	0.30999984	0.99999994
Oprk1	0.00145791	0.00148917	0.00131879	0.00017037	0.19491299	0.99999994
Zglp1	0.00103475	0.00110633	0.00093629	0.00017004	0.11335223	0.99999994

Gm2093	0.00214308	0.00210753	0.00193769	0.00016984	0.27979665	0.99999994
Mycs	0.00058692	0.000701	0.00053123	0.00016977	0.01669949	0.59956436
Mmp17	0.00149826	0.00152498	0.00135526	0.00016972	0.20225474	0.99999994
Gm26543	0.00103459	0.00110566	0.00093614	0.00016952	0.1140291	0.99999994
Rpa2	0.11938416	0.09982748	0.09965798	0.0001695	0.49548354	0.99999994
Prr19	0.00146323	0.00149304	0.00132361	0.00016943	0.19708518	0.99999994
C230034O21	0.00102761	0.00109924	0.00092982	0.00016942	0.1125984	0.99999994
Plcx1	0.00278337	0.00268442	0.00251552	0.0001689	0.32746234	0.99999994
Hamp2	0.00058629	0.0006995	0.00053066	0.00016884	0.01709505	0.60693149
BC065403	0.00058629	0.0006995	0.00053066	0.00016884	0.01709505	0.60693149
Plvap	0.0027358	0.0026413	0.0024726	0.0001687	0.3248624	0.99999994
Rnf144b	0.00058605	0.00069893	0.00053044	0.00016849	0.01724519	0.60803923
Slc35f2	0.00123231	0.00128245	0.0011149	0.00016756	0.15856093	0.99999994
Zfp521	0.00830146	0.00764139	0.00747457	0.00016682	0.44094943	0.99999994
E2f8	0.0014956	0.0015196	0.00135285	0.00016675	0.20598039	0.99999994
Tmem95	0.00058456	0.00069539	0.0005291	0.00016629	0.01821918	0.63000423
Coro6	0.00058456	0.00069539	0.0005291	0.00016629	0.01821918	0.63000423
Ctsw	0.00058456	0.00069539	0.0005291	0.00016629	0.01821918	0.63000423
Hrc	0.00189981	0.00188363	0.00171802	0.00016562	0.26054359	0.99999994
Agmo	0.00271652	0.00262053	0.00245521	0.00016532	0.32700567	0.99999994
B3gat1	0.00147815	0.00150236	0.00133708	0.00016528	0.20531339	0.99999994
Sln	0.00058378	0.00069353	0.00052839	0.00016514	0.01874805	0.64463872
Gm12666	0.00145607	0.00148221	0.00131714	0.00016507	0.20207767	0.99999994
Gm2109	0.00101925	0.00108713	0.00092227	0.00016486	0.1170507	0.99999994
Rac2	0.00587154	0.00545954	0.0052954	0.00016415	0.41826503	0.99999994
Rnf150	0.00297154	0.00284928	0.00268523	0.00016404	0.34213378	0.99999994
Gm26632	0.00567661	0.00528395	0.00512027	0.00016368	0.41574711	0.99999994
Rab9b	0.00857196	0.00788027	0.00771672	0.00016355	0.4439042	0.99999994
Dcdc2b	0.00301	0.00288343	0.00271991	0.00016351	0.34451894	0.99999994
3110083C13I	0.01083054	0.00989841	0.00973508	0.00016333	0.45553962	0.99999994

Nanp	0.00216003	0.00211627	0.00195299	0.00016328	0.28892908	0.99999994
Rho	0.00076629	0.00085656	0.0006935	0.00016306	0.05877859	0.99999994
Lamc3	0.00058223	0.00068984	0.00052699	0.00016286	0.01984006	0.6729158
Slmapos2	0.00058207	0.00068948	0.00052685	0.00016263	0.01995181	0.67383848
Gli3	0.00200609	0.00197642	0.001814	0.00016242	0.27558844	0.99999994
Rgs4	0.00770808	0.00710465	0.00694309	0.00016157	0.43845276	0.99999994
Slc1a6	0.00058099	0.00068692	0.00052587	0.00016105	0.02074716	0.69426319
Tsku	0.00490139	0.00458426	0.00442335	0.00016091	0.40433404	0.99999994
Usp25	0.02046126	0.01843347	0.01827283	0.00016064	0.47666848	0.99999994
Klhl4	0.00058068	0.00068619	0.00052559	0.0001606	0.02097865	0.69426319
Tomm6os	0.00341172	0.0032425	0.00308208	0.00016042	0.36449875	0.99999994
Gtse1	0.0013828	0.00141134	0.00125092	0.00016042	0.1966596	0.99999994
Kcnj14	0.00121858	0.00126184	0.00110248	0.00015936	0.16798965	0.99999994
Hsf2bp	0.00402752	0.003796	0.00363686	0.00015914	0.3854245	0.99999994
4930533D04	0.00299026	0.00286113	0.00270212	0.00015901	0.34763838	0.99999994
Akr1d1	0.00057938	0.00068311	0.00052441	0.0001587	0.02198385	0.71665561
Cadm2	0.00272629	0.00262246	0.00246402	0.00015844	0.33432126	0.99999994
Kcnj16	0.00094262	0.00101132	0.00085297	0.00015835	0.10828369	0.99999994
Nxf2	0.00057907	0.00068239	0.00052413	0.00015826	0.02222544	0.72157992
Prr16	0.00057907	0.00068239	0.00052413	0.00015826	0.02222544	0.72157992
Rnf39	0.00577767	0.00536899	0.00521106	0.00015792	0.42006709	0.99999994
Pcdhga8	0.00216508	0.00211531	0.00195755	0.00015777	0.29581807	0.99999994
Cstad	0.00582963	0.00541532	0.00525774	0.00015758	0.42093858	0.99999994
Gjb1	0.01276361	0.01161521	0.01145767	0.00015754	0.46353809	0.99999994
2700049A03	0.14353046	0.11770192	0.11754445	0.00015747	0.49644247	0.99999994
ler3ip1	0.97364669	0.4248217	0.42466423	0.00015746	0.49901535	0.99999994
Pln	0.00103791	0.00109578	0.00093914	0.00015664	0.13345502	0.99999994
Nsun7	0.0021503	0.00210035	0.00194421	0.00015615	0.29646515	0.99999994
Pfkfb1	0.00748379	0.00689789	0.00674208	0.00015581	0.43887287	0.99999994
Caln1	0.00142998	0.00144891	0.00129355	0.00015535	0.2120231	0.99999994

Syne3	0.00057701	0.00067755	0.00052227	0.00015528	0.02390752	0.76682042
Ckap2l	0.00211857	0.00207076	0.00191555	0.00015521	0.29482998	0.99999994
Kcnk5	0.00257752	0.00248488	0.0023298	0.00015508	0.32885961	0.99999994
Larp6	0.00189523	0.00186888	0.00171388	0.00015501	0.27358172	0.99999994
Slit2	0.00816748	0.00750959	0.0073546	0.000155	0.44421918	0.99999994
Zfp317	0.02681297	0.02399845	0.02384357	0.00015488	0.48275587	0.99999994
Zcchc12	0.00500047	0.00466724	0.00451246	0.00015478	0.40969884	0.99999994
Fem1c	0.06908788	0.05990366	0.05974893	0.00015473	0.49312359	0.99999994
Grm1	0.00294315	0.00281429	0.00265963	0.00015466	0.34935022	0.99999994
Dnah12	0.00057656	0.00067648	0.00052186	0.00015462	0.02429362	0.77452909
4921514A10	0.00103437	0.00109048	0.00093594	0.00015455	0.13585681	0.99999994
Dlg2	0.00118066	0.00122267	0.00106821	0.00015447	0.16788971	0.99999994
Entpd1	0.00099629	0.00105562	0.00090151	0.00015411	0.1275856	0.99999994
Qprt	0.00225776	0.00219482	0.00204121	0.00015361	0.30821779	0.99999994
Ifit2	0.00142619	0.00144362	0.00129013	0.00015349	0.21420965	0.99999994
Tln2	0.03920626	0.03473148	0.03457801	0.00015347	0.4882159	0.99999994
Col8a2	0.00126375	0.00129673	0.00114331	0.00015341	0.18588134	0.99999994
Wt1	0.00384082	0.0036218	0.00346872	0.00015308	0.38447172	0.99999994
Galnt13	0.00233105	0.00226011	0.00210737	0.00015273	0.31475242	0.99999994
Izumo1	0.00143923	0.00145446	0.00130191	0.00015255	0.21770675	0.99999994
Nkx2-3	0.00146813	0.00148011	0.00132803	0.00015208	0.22295647	0.99999994
Zfp82	0.00585349	0.00543121	0.00527918	0.00015203	0.42399322	0.99999994
Dgkk	0.0005746	0.00067188	0.00052008	0.0001518	0.02601942	0.81698086
Trap1a	0.00057452	0.0006717	0.00052001	0.00015169	0.02608752	0.81698086
Afmid	0.00212569	0.00207344	0.00192199	0.00015146	0.29995158	0.99999994
Kdm4c	0.07881549	0.06788468	0.06773344	0.00015125	0.49407063	0.99999994
Slc16a1	0.00306876	0.00292366	0.0027729	0.00015076	0.35871671	0.99999994
Rin3	0.00311629	0.00296632	0.00281576	0.00015056	0.36095099	0.99999994
Arhgap42	0.01040607	0.00950676	0.00935622	0.00015054	0.45735623	0.99999994
Cyp2b13	0.00148372	0.00149252	0.00134212	0.0001504	0.22785113	0.99999994

Dpep2	0.00453994	0.0042478	0.00409816	0.00014964	0.40398077	0.99999994
Tmem45a2	0.00146811	0.00147764	0.00132801	0.00014963	0.22663027	0.99999994
Rapgef3	0.00341405	0.00323344	0.00308418	0.00014927	0.37367029	0.99999994
Mzb1	0.00364276	0.0034395	0.00329028	0.00014921	0.38137891	0.99999994
Kdm3a	0.0730549	0.06316639	0.06301726	0.00014913	0.49371591	0.99999994
Ankrd33	0.00103137	0.0010818	0.00093322	0.00014857	0.14463475	0.99999994
Wt1os	0.00142653	0.00143888	0.00129044	0.00014844	0.22192562	0.99999994
Cxcl15	0.00229511	0.00222284	0.00207493	0.00014792	0.31756635	0.99999994
Lysmd4	0.03691257	0.03275241	0.03260464	0.00014777	0.48796668	0.99999994
Calb2	0.00103019	0.00107956	0.00093216	0.0001474	0.14627028	0.99999994
Gm10101	0.00472089	0.00440777	0.00426098	0.00014679	0.4093135	0.99999994
Gad2	0.00125838	0.00128487	0.00113846	0.00014641	0.19599794	0.99999994
Inhba	0.0020336	0.00198515	0.00183883	0.00014632	0.29817473	0.99999994
1110032F04I	0.00057072	0.00066283	0.00051657	0.00014626	0.02973472	0.87840191
Gm8113	0.00057072	0.00066283	0.00051657	0.00014626	0.02973472	0.87840191
0610038B21	0.00188788	0.00185285	0.00170724	0.00014561	0.28511463	0.99999994
Jsrp1	0.00097918	0.0010316	0.00088603	0.00014557	0.13706581	0.99999994
Srsf6	1.01401929	0.42728521	0.42713991	0.0001453	0.49909668	0.99999994
Magee2	0.00202001	0.00197168	0.00182657	0.00014512	0.29846282	0.99999994
Abcg4	0.00101174	0.00106022	0.00091548	0.00014474	0.14631661	0.99999994
Aadac	0.00056953	0.00066009	0.0005155	0.00014459	0.03095058	0.89706031
Siae	0.02797079	0.02499813	0.02485393	0.0001442	0.48459717	0.99999994
Wdfy2	0.0013737	0.00138668	0.00124269	0.00014399	0.22028175	0.99999994
Arrb1	0.0005688	0.00065838	0.00051483	0.00014355	0.03172824	0.91793073
Htra3	0.00483331	0.00450559	0.00436211	0.00014348	0.41334555	0.99999994
Gm44081	0.00056865	0.00065804	0.0005147	0.00014334	0.03188542	0.92080701
Erich2	0.00736574	0.00677958	0.00663626	0.00014332	0.44284717	0.99999994
9330198N18	0.00161738	0.00160593	0.00146289	0.00014304	0.2575751	0.99999994
Klk9	0.00141756	0.00142535	0.00128233	0.00014302	0.22891776	0.99999994
Gpm6a	0.00367839	0.00346483	0.00332239	0.00014245	0.38767376	0.99999994

Zfpm2	0.00056755	0.0006555	0.00051371	0.00014179	0.03308193	0.94678472
Ska1	0.00224726	0.00217283	0.00203174	0.0001411	0.321949	0.99999994
Prex2	0.01180718	0.01074669	0.01060594	0.00014074	0.46480655	0.99999994
Fam83e	0.00318304	0.00301661	0.00287595	0.00014067	0.37237201	0.99999994
Slc38a9	0.04268272	0.0376982	0.03755755	0.00014065	0.49005628	0.99999994
Mef2c	0.00176404	0.0017358	0.00159538	0.00014041	0.2789923	0.99999994
Gm15884	0.00088368	0.00094007	0.00079967	0.0001404	0.12127063	0.99999994
Slc25a27	0.01992993	0.01794479	0.01780467	0.00014011	0.47911219	0.99999994
Gad1os	0.00227019	0.00219243	0.00205244	0.00013999	0.32491303	0.99999994
Fam169b	0.00142313	0.00142704	0.00128736	0.00013967	0.23508829	0.99999994
Letmd1	0.10341355	0.0875735	0.08743394	0.00013956	0.49576131	0.99999994
Gm11724	0.0014108	0.0014156	0.00127622	0.00013937	0.23363433	0.99999994
Aldoart1	0.0005658	0.00065146	0.00051212	0.00013934	0.03506179	0.98641032
Plekho2	0.00329624	0.00311732	0.002978	0.00013932	0.37774283	0.99999994
Fcgr3	0.00700472	0.00645173	0.00631254	0.0001392	0.44165263	0.99999994
Pcdhb6	0.00345608	0.00326121	0.00312207	0.00013914	0.3833663	0.99999994
2010109A12	0.02755109	0.02462667	0.02448787	0.00013881	0.48495103	0.99999994
Nphs2	0.00056536	0.00065046	0.00051173	0.00013873	0.03556948	0.99475976
A830019P07	0.00056536	0.00065046	0.00051173	0.00013873	0.03556948	0.99475976
B230208H11	0.00314635	0.0029815	0.00284287	0.00013864	0.37273828	0.99999994
Dkk3	0.00243573	0.00234023	0.00220185	0.00013838	0.33784873	0.99999994
Gm11454	0.00056507	0.00064979	0.00051147	0.00013833	0.03591078	0.99942728
Slc16a2	0.02784846	0.0248855	0.02474725	0.00013825	0.48516882	0.99999994
Ppt2	0.03875632	0.03432958	0.03419138	0.0001382	0.48926779	0.99999994
Gm6169	0.00099524	0.00103845	0.00090056	0.0001379	0.15404501	0.99999994
Dnd1	0.00503349	0.00467984	0.00454216	0.00013768	0.42004756	0.99999994
Igfbp1	0.00121294	0.00123505	0.00109738	0.00013766	0.20185142	0.99999994
Aox4	0.00056457	0.00064863	0.00051101	0.00013762	0.03651357	0.99999994
Serpina1f	0.00056421	0.0006478	0.00051068	0.00013712	0.03694844	0.99999994
Cntnap5a	0.00056413	0.00064763	0.00051062	0.00013702	0.03703584	0.99999994

Plet1	0.01017342	0.00928537	0.00914848	0.00013689	0.46033056	0.99999994
U2surp	0.53902612	0.32960956	0.32947334	0.00013622	0.4989021	0.99999994
B3glct	0.03713201	0.03292912	0.0327937	0.00013542	0.48903562	0.99999994
Bub1b	0.00169324	0.00166676	0.00153143	0.00013533	0.27819556	0.99999994
Cytip	0.00289489	0.00275107	0.00261611	0.00013496	0.36565594	0.99999994
Dscam	0.00168605	0.00165989	0.00152493	0.00013496	0.27790001	0.99999994
Heyl	0.00297618	0.00282409	0.00268942	0.00013467	0.36944531	0.99999994
Rad9b	0.0414666	0.03665147	0.03651682	0.00013465	0.49020888	0.99999994
Dao	0.00056234	0.00064351	0.00050899	0.00013452	0.03926802	0.99999994
Scn7a	0.00056219	0.00064318	0.00050886	0.00013432	0.03945053	0.99999994
Igsf23	0.00293851	0.00278961	0.00265545	0.00013416	0.3683223	0.99999994
Mapk12	0.00145737	0.00145225	0.00131831	0.00013394	0.24943735	0.99999994
Mlip	0.00145376	0.00144894	0.00131504	0.0001339	0.24896751	0.99999994
Iqca	0.00184098	0.00179861	0.00166488	0.00013373	0.29643534	0.99999994
Cnpy4	0.09231917	0.07878604	0.07865253	0.00013351	0.49549258	0.99999994
Cd300lb	0.00056148	0.00064155	0.00050821	0.00013334	0.04037186	0.99999994
Gm20379	0.00056148	0.00064155	0.00050821	0.00013334	0.04037186	0.99999994
Naip1	0.00056148	0.00064155	0.00050821	0.00013334	0.04037186	0.99999994
Ankrd28	0.01721059	0.01553633	0.01540344	0.00013289	0.47710283	0.99999994
Arhgap33os	0.0009593	0.00100077	0.00086806	0.00013271	0.15441858	0.99999994
Gata5	0.00316081	0.00298862	0.00285591	0.00013271	0.37853894	0.99999994
Aloxe3	0.00647421	0.0059692	0.00583654	0.00013266	0.43987259	0.99999994
4930434B07	0.00056083	0.00064008	0.00050763	0.00013245	0.04121366	0.99999994
Gm9484	0.01618078	0.01462415	0.0144918	0.00013235	0.47576273	0.99999994
Ksr1	0.00219977	0.00212111	0.00198887	0.00013224	0.32903628	0.99999994
Yap1	0.00857026	0.0078473	0.0077152	0.0001321	0.45462898	0.99999994
1700019N19	0.00175835	0.00172221	0.00159025	0.00013196	0.29035032	0.99999994
Agfg1	0.15386677	0.12512011	0.12498817	0.00013194	0.49719681	0.99999994
Arhgap20	0.00089332	0.00093976	0.00080839	0.00013137	0.13969739	0.99999994
Cdkn2c	0.00265408	0.00253003	0.00239888	0.00013115	0.35795856	0.99999994

Gm11431	0.00055977	0.00063765	0.00050666	0.00013098	0.04264333	0.99999994
St6gal2	0.00055977	0.00063765	0.00050666	0.00013098	0.04264333	0.99999994
Slc22a8	0.00100987	0.00104476	0.00091378	0.00013098	0.17002026	0.99999994
Gm16401	0.00249851	0.00238941	0.00225851	0.0001309	0.349824	0.99999994
Gpr161	0.00237738	0.00227999	0.00214919	0.00013079	0.34270645	0.99999994
Mroh2a	0.00298994	0.00283236	0.00270183	0.00013053	0.37388311	0.99999994
Sned1	0.00560109	0.0051828	0.00505241	0.00013039	0.43180234	0.99999994
Fanci	0.00200957	0.0019474	0.00181713	0.00013027	0.31661545	0.99999994
Prickle2	0.00436868	0.00407379	0.00394402	0.00012977	0.41332037	0.99999994
Sorcs2	0.00673092	0.00619663	0.00606691	0.00012972	0.44341166	0.99999994
Aspa	0.00055885	0.00063555	0.00050583	0.00012972	0.04390952	0.99999994
Pla2g3	0.00130699	0.00131184	0.0011824	0.00012944	0.2330929	0.99999994
BC030343	0.00142389	0.00141747	0.00128805	0.00012942	0.25180579	0.99999994
Ldhc	0.00055835	0.00063443	0.00050538	0.00012904	0.04460183	0.99999994
Msr1	0.00079697	0.00085021	0.00072125	0.00012896	0.1169822	0.99999994
Sox5	0.01935998	0.01743071	0.01730212	0.00012859	0.48027264	0.99999994
Plg	0.00140868	0.00140239	0.00127431	0.00012809	0.25172778	0.99999994
Acsl6	0.02236084	0.02007171	0.01994382	0.00012789	0.48297652	0.99999994
H60b	0.00055751	0.00063251	0.00050462	0.00012789	0.04580584	0.99999994
Mettl24	0.00196881	0.00190798	0.00178033	0.00012765	0.31658367	0.99999994
Ccr1	0.00117947	0.00119459	0.00106713	0.00012746	0.21328849	0.99999994
Smc1b	0.00176866	0.00172694	0.00159955	0.00012739	0.29801461	0.99999994
Adap2	0.00307362	0.00290461	0.00277728	0.00012733	0.38011754	0.99999994
Samsn1	0.00055702	0.00063139	0.00050417	0.00012722	0.04651825	0.99999994
Tpsg1	0.00055702	0.00063139	0.00050417	0.00012722	0.04651825	0.99999994
Cckar	0.01763589	0.01590678	0.01577957	0.00012721	0.47860255	0.99999994
Lims2	0.00055695	0.00063123	0.00050411	0.00012712	0.04662063	0.99999994
5730403107R	0.00055691	0.00063115	0.00050408	0.00012707	0.04667187	0.99999994
Zfp811	0.00098683	0.0010199	0.00089296	0.00012694	0.17200709	0.99999994
Cd302	0.00276951	0.0026299	0.00250302	0.00012688	0.36789792	0.99999994

1700030020	0.00309725	0.00292539	0.0027986	0.00012679	0.38148936	0.99999994
Tnc	0.00055666	0.0006306	0.00050386	0.00012674	0.04703167	0.99999994
Nnmt	0.00055666	0.0006306	0.00050386	0.00012674	0.04703167	0.99999994
She	0.00100982	0.00104043	0.00091374	0.00012669	0.17802743	0.99999994
Klk1b26	0.0009876	0.00102031	0.00089365	0.00012666	0.1727282	0.99999994
Gm6594	0.01457448	0.01319395	0.01306729	0.00012666	0.47427835	0.99999994
Atp1a3	0.00055652	0.00063028	0.00050373	0.00012655	0.04723811	0.99999994
Pcdh10	0.00181614	0.00176879	0.00164244	0.00012635	0.3043113	0.99999994
Gucy1a2	0.00101221	0.00104216	0.0009159	0.00012625	0.17942712	0.99999994
Tnfaip2	0.00142928	0.00141914	0.00129292	0.00012622	0.25789675	0.99999994
Gm38336	0.00139606	0.00138862	0.0012629	0.00012572	0.25377539	0.99999994
Best1	0.00179637	0.0017496	0.00162459	0.00012502	0.30424663	0.99999994
C130026I21R	0.00221544	0.00212725	0.00200301	0.00012424	0.3398463	0.99999994
Kifc5b	0.00251339	0.00239614	0.00227193	0.00012421	0.35796424	0.99999994
Raly1	0.00055478	0.00062633	0.00050215	0.00012418	0.04987022	0.99999994
Dcaf12l2	0.00178894	0.00174173	0.00161787	0.00012386	0.30517323	0.99999994
Pakap	0.00055436	0.00062539	0.00050177	0.00012362	0.05051622	0.99999994
Ifitm7	0.00055436	0.00062539	0.00050177	0.00012362	0.05051622	0.99999994
Scube3	0.00055436	0.00062539	0.00050177	0.00012362	0.05051622	0.99999994
Akt1s1	0.53420775	0.3277502	0.32762672	0.00012348	0.49899916	0.99999994
Krt5	0.00145759	0.00144195	0.0013185	0.00012345	0.266575	0.99999994
Tk1	0.01345389	0.01219505	0.0120717	0.00012336	0.47288528	0.99999994
Nrarp	0.00797874	0.00730889	0.00718557	0.00012333	0.4545218	0.99999994
Angptl2	0.00260861	0.0024809	0.00235785	0.00012305	0.36415747	0.99999994
Piezo2	0.00055367	0.00062383	0.00050115	0.00012268	0.05160526	0.99999994
Zfp341	0.01205704	0.01095114	0.01082855	0.00012259	0.46996505	0.99999994
Thbs1	0.00224122	0.00214879	0.00202628	0.00012251	0.34368013	0.99999994
Gpr137b-ps	0.02457937	0.0220122	0.02189	0.0001222	0.48517884	0.99999994
Gm44210	0.00459055	0.00426581	0.0041437	0.00012211	0.42224592	0.99999994
Rnase6	0.00098471	0.00101312	0.00089103	0.00012209	0.18086799	0.99999994

Smim5	0.04187833	0.03699135	0.03686936	0.00012199	0.49121422	0.99999994
Rhag	0.00055312	0.00062258	0.00050065	0.00012194	0.05248765	0.99999994
Gm26586	0.00055298	0.00062227	0.00050052	0.00012175	0.0527098	0.99999994
Dio3	0.00394525	0.0036845	0.00356277	0.00012173	0.41004516	0.99999994
Rps6kb2	0.17577491	0.14047931	0.14035776	0.00012156	0.49770017	0.99999994
Zyg11a	0.00079282	0.00083886	0.0007175	0.00012136	0.13011445	0.99999994
H2-T24	0.00097842	0.00100668	0.00088535	0.00012134	0.18081819	0.99999994
Gm13539	0.00055236	0.00062087	0.00049996	0.00012091	0.05371718	0.99999994
Gm43101	0.00055236	0.00062087	0.00049996	0.00012091	0.05371718	0.99999994
Zmynd15	0.00099998	0.00102569	0.00090485	0.00012085	0.18700144	0.99999994
Gm14102	0.00055222	0.00062056	0.00049983	0.00012073	0.05394276	0.99999994
Stac3	0.0052857	0.00488876	0.00476894	0.00011983	0.43358717	0.99999994
Glyr1	0.40074418	0.27036017	0.27024049	0.00011968	0.49882395	0.99999994
4930524B15	0.00100621	0.00103016	0.00091048	0.00011968	0.19080429	0.99999994
Glipr1	0.00284155	0.0026876	0.002568	0.0001196	0.37827508	0.99999994
4930455G09	0.00433853	0.00403614	0.00391688	0.00011926	0.41969887	0.99999994
Eef1a2	0.00100481	0.00102846	0.00090922	0.00011924	0.19134303	0.99999994
Gm14409	0.00099134	0.00101619	0.00089703	0.00011916	0.18829254	0.99999994
Gfi1	0.00140372	0.00138836	0.00126983	0.00011853	0.2671911	0.99999994
Cep128	0.00567498	0.00523729	0.0051188	0.00011849	0.43877423	0.99999994
Gm37170	0.00258732	0.00245644	0.00233864	0.00011779	0.36871285	0.99999994
Heatr6	0.11805844	0.0987728	0.09865542	0.00011739	0.49684038	0.99999994
Gm12184	0.01009897	0.00919927	0.00908199	0.00011728	0.46575075	0.99999994
BC051077	0.00204575	0.00196665	0.00184981	0.00011685	0.33707235	0.99999994
Ras12	0.00130211	0.00129425	0.00117798	0.00011627	0.25559066	0.99999994
Jakmip2	0.00307006	0.00289013	0.00277407	0.00011606	0.39032373	0.99999994
Gm15638	0.00733839	0.00672741	0.00661174	0.00011567	0.45364622	0.99999994
Pcdhga1	0.00246245	0.00234163	0.00222596	0.00011566	0.36471862	0.99999994
Ang4	0.00054812	0.00061139	0.00049613	0.00011526	0.06100217	0.99999994
Cd3g	0.00747122	0.00684601	0.00673081	0.00011521	0.45464576	0.99999994

Oas2	0.00054798	0.00061108	0.000496	0.00011508	0.06124727	0.99999994
S1pr2	0.00815228	0.00745593	0.00734099	0.00011494	0.45849794	0.99999994
Vsig2	0.0183284	0.0165064	0.01639155	0.00011485	0.48140067	0.99999994
Ptgdr	0.00054758	0.00061018	0.00049564	0.00011454	0.06198639	0.99999994
Bend6	0.00196413	0.00189035	0.0017761	0.00011424	0.33427001	0.99999994
Cyp27a1	0.00177629	0.00172057	0.00160645	0.00011413	0.31814909	0.99999994
Gm12089	0.00180398	0.00174553	0.00163146	0.00011407	0.32082473	0.99999994
Prima1	0.00139299	0.00137409	0.00126012	0.00011396	0.27358783	0.99999994
Hbb-bh1	0.0018138	0.00175429	0.00164033	0.00011395	0.3218954	0.99999994
Fabp2	0.00118649	0.00118709	0.00107347	0.00011362	0.24055903	0.99999994
P2ry13	0.00054684	0.00060853	0.00049496	0.00011356	0.06335631	0.99999994
Gm31121	0.00054684	0.00060853	0.00049496	0.00011356	0.06335631	0.99999994
Oxt	0.0005467	0.00060823	0.00049484	0.00011338	0.06360745	0.99999994
Gm15408	0.002294	0.0021871	0.00207393	0.00011317	0.35821859	0.99999994
Ncf2	0.00300279	0.00282651	0.00271342	0.00011309	0.39073143	0.99999994
Ehd2	0.00134857	0.00133256	0.00121998	0.00011258	0.26952379	0.99999994
Slc16a3	0.01848763	0.01664407	0.01653219	0.00011189	0.48203419	0.99999994
Slc15a3	0.00199575	0.00191629	0.00180466	0.00011163	0.34026576	0.99999994
Bcl6b	0.02198231	0.01972224	0.01961118	0.00011106	0.48496456	0.99999994
Gm15867	0.00054476	0.0006039	0.00049308	0.00011082	0.06732072	0.99999994
Sdr16c6	0.00182184	0.00175815	0.0016476	0.00011056	0.32756377	0.99999994
Ctsg	0.00054442	0.00060316	0.00049278	0.00011038	0.06797452	0.99999994
Begain	0.00224248	0.00213772	0.00202742	0.0001103	0.35862617	0.99999994
Gm17597	0.00099149	0.00100729	0.00089717	0.00011013	0.20694658	0.99999994
4930426124R	0.00214205	0.00204649	0.00193676	0.00010973	0.3530355	0.99999994
Cdk10	0.10559528	0.08923226	0.08912271	0.00010955	0.49673586	0.99999994
Nup210	0.0530055	0.04643377	0.04632463	0.00010914	0.49374408	0.99999994
Mei4	0.0009605	0.0009782	0.00086914	0.00010905	0.2018088	0.99999994
Phox2a	0.00054336	0.0006008	0.00049181	0.00010899	0.07009356	0.99999994
Hecw2	0.00206371	0.00197501	0.00186602	0.00010899	0.34872198	0.99999994

Cldn13	0.00117438	0.00117136	0.00106253	0.00010883	0.24768487	0.99999994
Tekt4	0.00624831	0.00574257	0.00563376	0.00010881	0.44885258	0.99999994
Gm26850	0.00157858	0.00153665	0.00142784	0.00010881	0.3059918	0.99999994
Fmn1	0.00532289	0.0049111	0.00480237	0.00010873	0.44010362	0.99999994
Mettl18	0.06212806	0.05408257	0.05397402	0.00010855	0.4946595	0.99999994
3300002P13I	0.00054282	0.00059963	0.00049133	0.0001083	0.07116847	0.99999994
Parpbp	0.00054282	0.00059963	0.00049133	0.0001083	0.07116847	0.99999994
Adgre1	0.00054263	0.00059919	0.00049115	0.00010804	0.0715742	0.99999994
Serpinc1	0.00224785	0.00214004	0.00203227	0.00010777	0.36205403	0.99999994
Pifo	0.00095023	0.00096756	0.00085986	0.0001077	0.20221848	0.99999994
Gpr63	0.00135179	0.00133052	0.0012229	0.00010763	0.27899351	0.99999994
Gm11772	0.01174321	0.01065578	0.01054894	0.00010684	0.47312537	0.99999994
Pkp3	0.04419172	0.0389533	0.03884659	0.00010671	0.49270564	0.99999994
Dbx2	0.00073706	0.00077303	0.00066706	0.00010598	0.14514245	0.99999994
Gm13589	0.00054091	0.00059541	0.0004896	0.0001058	0.07515105	0.99999994
Slc26a10	0.00054091	0.00059541	0.0004896	0.0001058	0.07515105	0.99999994
Cntnap5b	0.00054078	0.00059512	0.00048948	0.00010563	0.07543069	0.99999994
Ahrr	0.00054078	0.00059512	0.00048948	0.00010563	0.07543069	0.99999994
Tnfaip8l3	0.00526818	0.00485833	0.00475319	0.00010514	0.44147174	0.99999994
Rbfox1	0.00099323	0.00100387	0.00089874	0.00010513	0.21810541	0.99999994
Atg9b	0.00129859	0.00127978	0.00117481	0.00010497	0.27600528	0.99999994
Cfap57	0.00267856	0.00252589	0.00242097	0.00010492	0.38649293	0.99999994
Klf15	0.00639721	0.00587232	0.00576743	0.00010489	0.45182103	0.99999994
Gm43689	0.00572775	0.00527105	0.00516621	0.00010483	0.44627856	0.99999994
Nfam1	0.00094776	0.00096242	0.00085762	0.0001048	0.20799328	0.99999994
Nfia	0.04610741	0.04058385	0.04047935	0.0001045	0.49314485	0.99999994
Cyp3a13	0.00069624	0.00073377	0.00063013	0.00010364	0.13679545	0.99999994
Cyp4f18	0.00091614	0.00093231	0.00082903	0.00010329	0.20346303	0.99999994
Il20ra	0.00096931	0.00098019	0.00087711	0.00010308	0.21701806	0.99999994
Plin1	0.00227306	0.00215802	0.00205502	0.00010299	0.36933894	0.99999994

Crp	0.00977757	0.00889764	0.00879487	0.00010277	0.46900084	0.99999994
Tmem47	0.00267477	0.00252031	0.00241754	0.00010277	0.38860439	0.99999994
Stil	0.00120982	0.00119709	0.00109457	0.00010252	0.26648909	0.99999994
Gm11131	0.00276554	0.00260177	0.00249943	0.00010234	0.39260509	0.99999994
Ggn	0.00053797	0.00058894	0.00048694	0.00010201	0.08159819	0.99999994
Ranbp3l	0.0005379	0.0005888	0.00048688	0.00010192	0.08174515	0.99999994
Naalad2	0.00053777	0.00058852	0.00048676	0.00010176	0.08203956	0.99999994
Prss12	0.00362724	0.00337796	0.0032763	0.00010167	0.41817987	0.99999994
Fgd3	0.00175574	0.00168948	0.00158788	0.0001016	0.33508616	0.99999994
Hspb2	0.00082055	0.0008438	0.00074257	0.00010122	0.182114	0.99999994
Glt1d1	0.00348711	0.00325114	0.00315003	0.00010111	0.4154047	0.99999994
Ttn	0.00053725	0.00058738	0.00048629	0.00010109	0.08322358	0.99999994
Rnf125	0.00053725	0.00058738	0.00048629	0.00010109	0.08322358	0.99999994
Trpm6	0.00053725	0.00058738	0.00048629	0.00010109	0.08322358	0.99999994
C030034L19F	0.00053654	0.00058583	0.00048565	0.00010018	0.08486834	0.99999994
Asgr2	0.00235642	0.00223043	0.00213027	0.00010017	0.37714475	0.99999994
Capn11	0.00337256	0.00314683	0.00304679	0.00010004	0.41349359	0.99999994
Lsm11	0.02124711	0.01906466	0.01896463	0.00010003	0.48599561	0.99999994
Btnl10	0.00053628	0.00058526	0.00048541	9.98E-05	0.08547125	0.99999994
Hecw1	0.00053628	0.00058526	0.00048541	9.98E-05	0.08547125	0.99999994
1700021N21	0.00053583	0.00058428	0.00048501	9.93E-05	0.08653248	0.99999994
Acsm3	0.00053583	0.00058428	0.00048501	9.93E-05	0.08653248	0.99999994
Slc30a3	0.00092856	0.00093915	0.00084026	9.89E-05	0.21669527	0.99999994
Ovol1	0.00143225	0.00139371	0.00129561	9.81E-05	0.30712968	0.99999994
Slc7a11	0.00187899	0.00179731	0.00169921	9.81E-05	0.35038331	0.99999994
Wnt16	0.00053474	0.00058189	0.00048402	9.79E-05	0.08914236	0.99999994
Pdp2	0.02611719	0.02333352	0.02323564	9.79E-05	0.48881549	0.99999994
Gm16984	0.00095265	0.00095965	0.00086205	9.76E-05	0.22552193	0.99999994
Pcdhga11	0.00257449	0.0024244	0.00232707	9.73E-05	0.39034952	0.99999994
Stk33	0.00180753	0.00173181	0.00163467	9.71E-05	0.34621686	0.99999994

Gm28876	0.00053365	0.00057953	0.00048303	9.65E-05	0.09179833	0.99999994
Pi15	0.00053346	0.00057911	0.00048286	9.63E-05	0.0922718	0.99999994
Rrh	0.00264272	0.0024848	0.00238863	9.62E-05	0.39434672	0.99999994
Capn1	0.0166625	0.01501435	0.0149184	9.60E-05	0.48292567	0.99999994
Hmx2	0.0005332	0.00057856	0.00048263	9.59E-05	0.09290533	0.99999994
Capns2	0.00053307	0.00057828	0.00048251	9.58E-05	0.09322304	0.99999994
4833422C13I	0.00151071	0.00146193	0.00136651	9.54E-05	0.32103059	0.99999994
A530095I07F	0.00053269	0.00057745	0.00048217	9.53E-05	0.09417999	0.99999994
Fndc1	0.00290619	0.00272136	0.0026263	9.51E-05	0.40480473	0.99999994
Gm12474	0.00471181	0.00434717	0.0042528	9.44E-05	0.4412889	0.99999994
Gm17590	0.00053193	0.0005758	0.00048148	9.43E-05	0.09611101	0.99999994
Dkk1	0.0005318	0.00057553	0.00048136	9.42E-05	0.09643507	0.99999994
Prr18	0.00092426	0.00093013	0.00083637	9.38E-05	0.2277754	0.99999994
Kremen2	0.0008848	0.00089429	0.00080069	9.36E-05	0.2182504	0.99999994
Asb17	0.00089523	0.00090361	0.00081012	9.35E-05	0.2211788	0.99999994
Zfp930	0.00817593	0.00745546	0.00736217	9.33E-05	0.46639022	0.99999994
Gm16010	0.0074223	0.00678004	0.00668696	9.31E-05	0.46309001	0.99999994
Gm17029	0.00185372	0.00176942	0.00167639	9.30E-05	0.35590916	0.99999994
Shisa8	0.00312167	0.0029136	0.00282061	9.30E-05	0.4131513	0.99999994
Gm17163	0.00053085	0.00057347	0.0004805	9.30E-05	0.09888559	0.99999994
Rab32	0.00322292	0.00300471	0.0029119	9.28E-05	0.41598964	0.99999994
Rnf151	0.00308622	0.00288135	0.00278865	9.27E-05	0.41244013	0.99999994
Vat1	0.14760226	0.12058422	0.12049185	9.24E-05	0.49796419	0.99999994
Cdkl4	0.00222523	0.00210413	0.00201185	9.23E-05	0.38006105	0.99999994
Gm42556	0.00139362	0.00135294	0.0012607	9.22E-05	0.31311772	0.99999994
BC002059	0.03941547	0.03484877	0.0347577	9.11E-05	0.49304295	0.99999994
Lcn3	0.00131914	0.00128424	0.00119338	9.09E-05	0.3061521	0.99999994
Tex29	0.00052915	0.00056981	0.00047897	9.08E-05	0.10338569	0.99999994
Creg2	0.00772799	0.00705175	0.00696092	9.08E-05	0.46539473	0.99999994
4930505N22	0.00147134	0.00142159	0.00133094	9.07E-05	0.32513689	0.99999994

L3mbtl2	0.06036628	0.05259451	0.05250385	9.07E-05	0.49541513	0.99999994
Kif18b	0.00052872	0.00056887	0.00047857	9.03E-05	0.10457102	0.99999994
Kif6	0.00283887	0.00265552	0.00256558	8.99E-05	0.40774211	0.99999994
Amy1	0.00208147	0.00197179	0.00188206	8.97E-05	0.37548646	0.99999994
Gm38287	0.00052822	0.00056779	0.00047812	8.97E-05	0.10593502	0.99999994
6030498E09I	0.00141371	0.00136846	0.00127885	8.96E-05	0.32046318	0.99999994
Styxl1	0.00157321	0.00151233	0.00142298	8.93E-05	0.33799259	0.99999994
Aunip	0.00073615	0.00075548	0.00066623	8.92E-05	0.18629735	0.99999994
Asic1	0.00908758	0.0082672	0.00817804	8.92E-05	0.47107529	0.99999994
Gabrg1	0.00052778	0.00056685	0.00047772	8.91E-05	0.10713669	0.99999994
S100a7a	0.00052765	0.00056658	0.00047761	8.90E-05	0.10748142	0.99999994
Chrd	0.01429717	0.01290993	0.01282105	8.89E-05	0.48159837	0.99999994
Serpinb6b	0.00257463	0.00241602	0.0023272	8.88E-05	0.39972312	0.99999994
AW495222	0.00266167	0.00249447	0.00240573	8.87E-05	0.40302211	0.99999994
Ildr2	0.00077429	0.00078939	0.00070073	8.87E-05	0.19982755	0.99999994
Piezo1	0.00207339	0.00196341	0.00187477	8.86E-05	0.3764876	0.99999994
Gm29395	0.00137722	0.00133441	0.00124587	8.85E-05	0.31809532	0.99999994
Lcp1	0.00455175	0.00419722	0.00410879	8.84E-05	0.44304458	0.99999994
Procr	0.00232269	0.00218778	0.00209982	8.80E-05	0.39019711	0.99999994
Pde6h	0.00052678	0.00056471	0.00047682	8.79E-05	0.10991186	0.99999994
Rln1	0.00052678	0.00056471	0.00047682	8.79E-05	0.10991186	0.99999994
Kcnk6	0.00163323	0.00156509	0.00147721	8.79E-05	0.3460664	0.99999994
Prss23os	0.0015248	0.00146701	0.00137924	8.78E-05	0.33592816	0.99999994
Gm42413	0.00091707	0.00091762	0.00082987	8.77E-05	0.24076964	0.99999994
Fndc8	0.00133726	0.00129742	0.00120976	8.77E-05	0.31479366	0.99999994
Hoxb7	0.00052641	0.00056392	0.00047648	8.74E-05	0.11096273	0.99999994
Mir124-2hg	0.00052623	0.00056352	0.00047631	8.72E-05	0.11149025	0.99999994
Gdf10	0.00052616	0.00056339	0.00047626	8.71E-05	0.1116664	0.99999994
Sap30bpos	0.0005261	0.00056325	0.0004762	8.71E-05	0.11184269	0.99999994
Sox30	0.00075727	0.00077234	0.00068534	8.70E-05	0.19906097	0.99999994

Adnp	0.00124713	0.00121528	0.00112829	8.70E-05	0.30391007	0.99999994
Cbln4	0.00052579	0.00056259	0.00047592	8.67E-05	0.11272649	0.99999994
Vcam1	0.00052579	0.00056259	0.00047592	8.67E-05	0.11272649	0.99999994
Plek	0.00077705	0.00078987	0.00070323	8.66E-05	0.20608208	0.99999994
Lrrn4cl	0.00052567	0.00056233	0.00047581	8.65E-05	0.11308109	0.99999994
Serpina3b	0.00214558	0.00202645	0.00193994	8.65E-05	0.38329652	0.99999994
Cd37	0.0021234	0.00200622	0.00191992	8.63E-05	0.38239419	0.99999994
Gm17210	0.00052548	0.00056193	0.00047564	8.63E-05	0.11361412	0.99999994
Ccdc18	0.01504338	0.01356972	0.01348344	8.63E-05	0.48301207	0.99999994
Serpinb5	0.001224	0.00119342	0.00110738	8.60E-05	0.30252603	0.99999994
Slc4a1	0.00438458	0.004044	0.00395833	8.57E-05	0.44272395	0.99999994
Spag5	0.00517542	0.00475544	0.00466979	8.57E-05	0.45141404	0.99999994
Vmn1r4	0.00339208	0.00314992	0.00306438	8.55E-05	0.42629588	0.99999994
B230398E01	0.00480797	0.00442479	0.00433931	8.55E-05	0.44784302	0.99999994
Rnf225	0.0023619	0.00222062	0.00213522	8.54E-05	0.39502798	0.99999994
Mgst2	0.02096744	0.0188039	0.01871852	8.54E-05	0.4878884	0.99999994
Frmpd1	0.00073661	0.00075197	0.00066665	8.53E-05	0.19714171	0.99999994
Rgs8	0.00052468	0.00056022	0.00047492	8.53E-05	0.11593982	0.99999994
Myog	0.0008964	0.00089644	0.00081117	8.53E-05	0.24206581	0.99999994
Rfx4	0.00070986	0.00072719	0.00064245	8.47E-05	0.18998455	0.99999994
B3gnt7	0.00276291	0.00258158	0.00249706	8.45E-05	0.41087115	0.99999994
Mpzl3	0.01460969	0.013183	0.01309855	8.45E-05	0.48288408	0.99999994
1700084C06I	0.00467997	0.00430843	0.00422416	8.43E-05	0.4471763	0.99999994
Gm6288	0.0033419	0.0031034	0.00301915	8.42E-05	0.42632367	0.99999994
Zswim6	0.04483295	0.03947762	0.03939358	8.40E-05	0.49433523	0.99999994
Ccl21a	0.00083037	0.00083518	0.00075146	8.37E-05	0.22916353	0.99999994
Aoc1	0.00052327	0.00055721	0.00047364	8.36E-05	0.12011735	0.99999994
Slc26a1	0.00827597	0.00753521	0.00745175	8.35E-05	0.4702872	0.99999994
Myl3	0.00175337	0.00166917	0.00158575	8.34E-05	0.3630954	0.99999994
Skil	0.12859	0.10664383	0.10656061	8.32E-05	0.49792608	0.99999994

Tmem190	0.0160085	0.01442233	0.01433916	8.32E-05	0.4846016	0.99999994
Car12	0.00096665	0.00095785	0.0008747	8.31E-05	0.26344994	0.99999994
Tmem26	0.00091456	0.00091066	0.0008276	8.31E-05	0.25204541	0.99999994
Gm12925	0.00139537	0.00134533	0.00126228	8.31E-05	0.33070833	0.99999994
Gm13362	0.00069913	0.00071518	0.00063275	8.24E-05	0.19290949	0.99999994
Fabp12	0.00052223	0.000555	0.0004727	8.23E-05	0.12325627	0.99999994
Inhbc	0.00052223	0.000555	0.0004727	8.23E-05	0.12325627	0.99999994
Neto1	0.00052223	0.000555	0.0004727	8.23E-05	0.12325627	0.99999994
Hsh2d	0.00052223	0.000555	0.0004727	8.23E-05	0.12325627	0.99999994
Accs	0.02030748	0.01821962	0.01813737	8.23E-05	0.4879588	0.99999994
Camk2a	0.00052193	0.00055435	0.00047243	8.19E-05	0.1241877	0.99999994
Gm26911	0.00052168	0.00055384	0.00047221	8.16E-05	0.12493552	0.99999994
Arhgef39	0.00089927	0.00089462	0.00081377	8.08E-05	0.25422527	0.99999994
Elovl4	0.00454877	0.00418694	0.0041061	8.08E-05	0.44787286	0.99999994
Gm973	0.00265742	0.00248244	0.00240189	8.06E-05	0.41167476	0.99999994
Bcas1os1	0.00165956	0.00158153	0.001501	8.05E-05	0.36050993	0.99999994
Ate1	0.20862793	0.16248351	0.16240303	8.05E-05	0.49868398	0.99999994
Myl1	0.00094855	0.00093879	0.00085834	8.05E-05	0.26634584	0.99999994
Alas2	0.03171693	0.02819262	0.02811231	8.03E-05	0.49241428	0.99999994
Ssmem1	0.00198105	0.00187165	0.00179138	8.03E-05	0.38275031	0.99999994
Dact3	0.0127197	0.01149839	0.01141859	7.98E-05	0.48144969	0.99999994
Ska3	0.00281455	0.0026234	0.00254364	7.98E-05	0.41733246	0.99999994
Bhmt	0.00124844	0.00120908	0.00112947	7.96E-05	0.31948588	0.99999994
Trim50	0.00177204	0.00168169	0.00160261	7.91E-05	0.37127916	0.99999994
Spaca7	0.00177296	0.00168247	0.00160344	7.90E-05	0.37142926	0.99999994
Klk13	0.00245493	0.00229723	0.00221918	7.81E-05	0.40744641	0.99999994
Boc	0.00461767	0.00424586	0.0041681	7.78E-05	0.450586	0.99999994
Sh3tc2	0.00051848	0.00054706	0.00046931	7.78E-05	0.13506624	0.99999994
Col4a5	0.01732387	0.01558129	0.01550364	7.76E-05	0.48670259	0.99999994
Notch3	0.00952458	0.00864598	0.00856876	7.72E-05	0.47608538	0.99999994

Sowaha	0.01700431	0.01529809	0.01522093	7.72E-05	0.48654174	0.99999994
Gm14401	0.0009533	0.00093974	0.00086263	7.71E-05	0.27593764	0.99999994
Wfdc1	0.00051777	0.00054555	0.00046866	7.69E-05	0.13741655	0.99999994
Arl6ip6	0.34417525	0.24197394	0.24189717	7.68E-05	0.49915717	0.99999994
Ankrd22	0.00096169	0.00094678	0.00087022	7.66E-05	0.2790502	0.99999994
2810429I04R	0.00263334	0.00245639	0.00238017	7.62E-05	0.4156036	0.99999994
Gm4951	0.00051681	0.00054354	0.0004678	7.57E-05	0.14058224	0.99999994
Dmrta1	0.00118981	0.00115202	0.00107648	7.55E-05	0.32020473	0.99999994
Kcnk13	0.00092957	0.00091669	0.00084117	7.55E-05	0.27505676	0.99999994
Kif11	0.00361007	0.0033363	0.00326083	7.55E-05	0.43878668	0.99999994
Slco5a1	0.00250733	0.0023418	0.00226647	7.53E-05	0.41245858	0.99999994
Gm8444	0.00051639	0.00054266	0.00046742	7.52E-05	0.14197861	0.99999994
Pex11a	0.05721025	0.04993668	0.04986173	7.50E-05	0.49600815	0.99999994
Zfp276	0.0198691	0.0178258	0.01775106	7.47E-05	0.48881971	0.99999994
Hsd3b6	0.00051598	0.00054179	0.00046704	7.47E-05	0.14338187	0.99999994
Ms4a4c	0.00051598	0.00054179	0.00046704	7.47E-05	0.14338187	0.99999994
Platr23	0.00091631	0.00090374	0.00082918	7.46E-05	0.27472928	0.99999994
Igf2os	0.00089472	0.00088421	0.00080966	7.45E-05	0.26998292	0.99999994
Sox18	0.00051568	0.00054116	0.00046678	7.44E-05	0.14438839	0.99999994
Xpa	0.23512707	0.17942168	0.17934742	7.43E-05	0.49890042	0.99999994
Gm525	0.00051539	0.00054054	0.00046651	7.40E-05	0.1453984	0.99999994
Serpina3f	0.00051539	0.00054054	0.00046651	7.40E-05	0.1453984	0.99999994
Lrrtm1	0.00051515	0.00054005	0.00046629	7.38E-05	0.1462089	0.99999994
Vps33a	0.07571373	0.06527177	0.0651984	7.34E-05	0.49701176	0.99999994
Kif12	0.4820473	0.30674585	0.30667265	7.32E-05	0.49936621	0.99999994
Gm10874	0.00051444	0.00053856	0.00046565	7.29E-05	0.14865365	0.99999994
Mrc2	0.00051426	0.00053819	0.00046549	7.27E-05	0.14926793	0.99999994
BB019430	0.00051426	0.00053819	0.00046549	7.27E-05	0.14926793	0.99999994
Fbxo25	0.10862911	0.09153376	0.0914611	7.27E-05	0.49789047	0.99999994
Fgf5	0.00051421	0.00053807	0.00046544	7.26E-05	0.14947296	0.99999994

Fzd3	0.12202413	0.10172055	0.101648	7.25E-05	0.49810477	0.99999994
Kcnn3	0.00204751	0.00192367	0.00185139	7.23E-05	0.3974872	0.99999994
Evc	0.00242627	0.00226553	0.00219331	7.22E-05	0.41326399	0.99999994
Gm26671	0.00051385	0.00053733	0.00046512	7.22E-05	0.15070603	0.99999994
Pcdh8	0.00818819	0.00744527	0.00737315	7.21E-05	0.47404389	0.99999994
Ankrd23	0.00051373	0.00053708	0.00046501	7.21E-05	0.15111814	0.99999994
Wdr66	0.00127071	0.00122082	0.00114961	7.12E-05	0.34005916	0.99999994
Ctse	0.00615909	0.00562474	0.00555364	7.11E-05	0.46604486	0.99999994
BC107364	0.00093646	0.00091848	0.00084741	7.11E-05	0.28832069	0.99999994
Gm12840	0.00075814	0.00075715	0.00068613	7.10E-05	0.24539746	0.99999994
Klk1b8	0.00269994	0.00251104	0.00244026	7.08E-05	0.42344744	0.99999994
6030407O03	0.00051215	0.00053378	0.00046358	7.02E-05	0.15673443	0.99999994
Gm42788	0.00051215	0.00053378	0.00046358	7.02E-05	0.15673443	0.99999994
Psd2	0.00051215	0.00053378	0.00046358	7.02E-05	0.15673443	0.99999994
Zfyve28	0.00088423	0.00086984	0.00080017	6.97E-05	0.28110018	0.99999994
Dennd4b	0.00879547	0.00798638	0.00791672	6.97E-05	0.47664927	0.99999994
Gm28536	0.00051169	0.00053281	0.00046316	6.96E-05	0.1584172	0.99999994
Gm12052	0.00094621	0.00092577	0.00085622	6.96E-05	0.2943501	0.99999994
Casp1	0.00073792	0.00073712	0.00066784	6.93E-05	0.24492776	0.99999994
Kif16bos	0.00072557	0.00072589	0.00065666	6.92E-05	0.24141908	0.99999994
Optc	0.00302014	0.00279808	0.00272906	6.90E-05	0.43315428	0.99999994
Slc24a4	0.0005111	0.0005316	0.00046263	6.90E-05	0.16053252	0.99999994
Ets1	0.00544313	0.00497937	0.00491044	6.89E-05	0.46277947	0.99999994
Slc35f6	0.05525447	0.04828775	0.04821892	6.88E-05	0.4962095	0.99999994
Il1rapl1	0.00051099	0.00053136	0.00046253	6.88E-05	0.16095716	0.99999994
Adcy4	0.00051099	0.00053136	0.00046253	6.88E-05	0.16095716	0.99999994
Tmem200c	0.00051099	0.00053136	0.00046253	6.88E-05	0.16095716	0.99999994
A430110L20I	0.00095277	0.00093095	0.00086216	6.88E-05	0.2976638	0.99999994
Siglech	0.00466265	0.00427708	0.00420857	6.85E-05	0.45685412	0.99999994
Sez6	0.00345938	0.00319322	0.00312503	6.82E-05	0.44225828	0.99999994

Lsmem1	0.0007504	0.00074694	0.00067913	6.78E-05	0.25312172	0.99999994
Stx19	0.00632326	0.00576882	0.00570104	6.78E-05	0.46846318	0.99999994
Rtn4r	0.00128365	0.00122883	0.0011613	6.75E-05	0.34934569	0.99999994
Prr11	0.00740916	0.00674271	0.00667518	6.75E-05	0.47315593	0.99999994
Sval1	0.00131843	0.00126022	0.00119274	6.75E-05	0.35323902	0.99999994
Sox6	0.03912824	0.03457842	0.03451098	6.74E-05	0.49481114	0.99999994
Itga5	0.00252791	0.00235219	0.00228504	6.72E-05	0.42245672	0.99999994
Gm26581	0.00050948	0.00052823	0.00046117	6.71E-05	0.16652455	0.99999994
Gm10825	0.00050948	0.00052823	0.00046117	6.71E-05	0.16652455	0.99999994
Foxq1	0.00050948	0.00052823	0.00046117	6.71E-05	0.16652455	0.99999994
D030018L15I	0.00050948	0.00052823	0.00046117	6.71E-05	0.16652455	0.99999994
Col23a1	0.00126026	0.0012071	0.00114016	6.69E-05	0.347989	0.99999994
Npm3	0.48867808	0.3095033	0.3094366	6.67E-05	0.49942757	0.99999994
Cyp4x1	0.00248232	0.00231055	0.0022439	6.67E-05	0.42163118	0.99999994
Abi3	0.00094251	0.00091947	0.00085287	6.66E-05	0.30161698	0.99999994
Gpr22	0.00050902	0.00052727	0.00046075	6.65E-05	0.168255	0.99999994
Gm8225	0.00089718	0.00087811	0.00081189	6.62E-05	0.29357592	0.99999994
Gm43703	0.00050868	0.00052656	0.00046043	6.61E-05	0.16955815	0.99999994
Odf3l2	0.00050862	0.00052644	0.00046038	6.61E-05	0.16977579	0.99999994
Lingo2	0.00092616	0.00090381	0.00083809	6.57E-05	0.30082748	0.99999994
Slc4a11	0.00050799	0.00052513	0.00045981	6.53E-05	0.17217799	0.99999994
Gm11627	0.00093729	0.0009133	0.00084815	6.52E-05	0.30456457	0.99999994
8030462N17	0.00423436	0.00388816	0.00382311	6.51E-05	0.45490687	0.99999994
Platr3	0.00050741	0.00052395	0.00045929	6.47E-05	0.17437484	0.99999994
Lpcat2	0.00844064	0.00766375	0.00759917	6.46E-05	0.47744565	0.99999994
A130051J06F	0.00133253	0.00126987	0.00120548	6.44E-05	0.3610975	0.99999994
Syndig1	0.00267416	0.00248135	0.00241699	6.44E-05	0.42966127	0.99999994
F7	0.00050678	0.00052265	0.00045872	6.39E-05	0.17680555	0.99999994
Zfp775	0.02640612	0.02355184	0.02348816	6.37E-05	0.49280034	0.99999994
Paqr5	0.00440851	0.00404344	0.00397987	6.36E-05	0.45766449	0.99999994

Dpf2	0.43816729	0.28767349	0.28761011	6.34E-05	0.49941476	0.99999994
Dnaaf3	0.00251018	0.00233233	0.00226904	6.33E-05	0.42635533	0.99999994
Trp63	0.00050621	0.00052148	0.00045821	6.33E-05	0.17902803	0.99999994
Hoxc4	0.0009238	0.00089905	0.00083595	6.31E-05	0.30769811	0.99999994
A530016L24I	0.00153136	0.00144806	0.00138517	6.29E-05	0.38123414	0.99999994
2510017J16F	0.00288093	0.0026663	0.00260352	6.28E-05	0.43623655	0.99999994
Pmm1	0.05571275	0.04866691	0.04860424	6.27E-05	0.49657587	0.99999994
Ccbe1	0.00197735	0.00185037	0.00178804	6.23E-05	0.40826344	0.99999994
Pou5f1	0.00883426	0.00801375	0.00795143	6.23E-05	0.47919539	0.99999994
Smim19	0.08340954	0.07153176	0.0714695	6.23E-05	0.4976869	0.99999994
Adgrb1	0.0009526	0.00092395	0.000862	6.20E-05	0.31617448	0.99999994
G0s2	0.00891123	0.00808195	0.00802029	6.17E-05	0.47959476	0.99999994
Lgals2	0.00766641	0.00696733	0.00690574	6.16E-05	0.47633104	0.99999994
Gm6658	0.00050474	0.00051844	0.00045687	6.16E-05	0.18486234	0.99999994
Gm20755	0.00050451	0.00051798	0.00045667	6.13E-05	0.18576698	0.99999994
Olfm2	0.00084145	0.00082257	0.00076148	6.11E-05	0.29665959	0.99999994
Stra6l	0.00281558	0.00260554	0.00254457	6.10E-05	0.43663893	0.99999994
Carns1	0.01122795	0.01015038	0.01008958	6.08E-05	0.48400296	0.99999994
Gm15918	0.00113707	0.00108946	0.0010288	6.07E-05	0.34733662	0.99999994
Stx1b	0.00083851	0.00081945	0.00075882	6.06E-05	0.29739642	0.99999994
Pygo1	0.02525188	0.02253938	0.02247881	6.06E-05	0.49284523	0.99999994
Lrrc23	0.00225327	0.00209763	0.00203717	6.05E-05	0.42169053	0.99999994
Kcnj9	0.00084279	0.00082302	0.00076269	6.03E-05	0.2992592	0.99999994
Ppfibp2	0.00075072	0.00073962	0.00067942	6.02E-05	0.27763594	0.99999994
Mansc4	0.00095143	0.00092081	0.00086094	5.99E-05	0.32172701	0.99999994
C1ra	0.00076483	0.00075166	0.00069217	5.95E-05	0.28366078	0.99999994
AB124611	0.00165331	0.00155481	0.00149535	5.95E-05	0.39563649	0.99999994
1700001O22	0.00422063	0.00387007	0.00381074	5.93E-05	0.45873252	0.99999994
Klhl2	0.03992656	0.0352558	0.03519648	5.93E-05	0.49552439	0.99999994
Ern2	0.00050277	0.0005144	0.00045509	5.93E-05	0.19284021	0.99999994

Fgf20	0.00050277	0.0005144	0.00045509	5.93E-05	0.19284021	0.99999994
Ptpn7	0.00050254	0.00051394	0.00045489	5.91E-05	0.19376079	0.99999994
4930573C15I	0.00050254	0.00051394	0.00045489	5.91E-05	0.19376079	0.99999994
Scn4b	0.00050254	0.00051394	0.00045489	5.91E-05	0.19376079	0.99999994
Ntng1	0.0037793	0.00347213	0.0034133	5.88E-05	0.45432894	0.99999994
Capn10	0.26528221	0.19782275	0.19776419	5.86E-05	0.49921367	0.99999994
Cxcr6	0.00077051	0.00075542	0.00069731	5.81E-05	0.28956197	0.99999994
Notumos	0.00256394	0.00237564	0.00231755	5.81E-05	0.4337473	0.99999994
Bfsp2	0.0006805	0.00067375	0.00061589	5.79E-05	0.2658965	0.99999994
Itgb6	0.00379228	0.00348263	0.00342499	5.76E-05	0.45539659	0.99999994
Veph1	0.00148237	0.00139828	0.0013409	5.74E-05	0.38787106	0.99999994
Crispld1	0.00094764	0.00091467	0.00085752	5.72E-05	0.3286366	0.99999994
Strip2	0.00205737	0.00191737	0.0018603	5.71E-05	0.41910024	0.99999994
Adam12	0.00094521	0.00091206	0.00085532	5.67E-05	0.32939488	0.99999994
Inmt	0.00322607	0.00297147	0.00291474	5.67E-05	0.4484551	0.99999994
Ranbp6	0.04501569	0.03960582	0.03954938	5.64E-05	0.49621042	0.99999994
Atp8b3	0.00217795	0.00202546	0.00196917	5.63E-05	0.42454982	0.99999994
Fam136b-ps	0.00094118	0.00090781	0.00085167	5.61E-05	0.33040822	0.99999994
A230005M16	0.00455336	0.00416635	0.00411024	5.61E-05	0.4637945	0.99999994
Tbx3	0.00049965	0.00050803	0.00045227	5.58E-05	0.20588697	0.99999994
Gm9821	0.00094445	0.00091035	0.00085463	5.57E-05	0.33215198	0.99999994
Atp2b1	0.70975342	0.38460278	0.38454716	5.56E-05	0.49961594	0.99999994
Gm37065	0.00119517	0.00113689	0.00108132	5.56E-05	0.36614588	0.99999994
Chrna1	0.00137765	0.00130182	0.00124626	5.56E-05	0.38332686	0.99999994
Thrb	0.00925125	0.00837991	0.00832441	5.55E-05	0.48230219	0.99999994
Gm28578	0.00088329	0.00085471	0.00079932	5.54E-05	0.32232007	0.99999994
Gm26520	0.00132169	0.00125105	0.00119569	5.54E-05	0.37896056	0.99999994
Fbxo15	0.00071341	0.00070053	0.00064567	5.49E-05	0.28584963	0.99999994
Dennd2c	0.00115002	0.00109527	0.00104051	5.48E-05	0.3630326	0.99999994
Al854703	0.00091701	0.00088451	0.00082981	5.47E-05	0.3304046	0.99999994

Ticrr	0.00230605	0.00213945	0.00208481	5.46E-05	0.43074965	0.99999994
Timp4	0.00160392	0.00150525	0.00145073	5.45E-05	0.40123215	0.99999994
Gm44170	0.00049838	0.00050546	0.00045112	5.43E-05	0.21134114	0.99999994
Prr22	0.00239505	0.00221941	0.00216514	5.43E-05	0.43374196	0.99999994
Atrip	0.00147868	0.00139172	0.00133756	5.42E-05	0.39376299	0.99999994
Cdh23	0.0021585	0.00200577	0.00195161	5.42E-05	0.42672714	0.99999994
9430002A10	0.00223541	0.00207514	0.00202104	5.41E-05	0.42928536	0.99999994
Adam19	0.00149577	0.00140704	0.00135301	5.40E-05	0.39517993	0.99999994
Xkr5	0.00049766	0.00050401	0.00045047	5.35E-05	0.21444752	0.99999994
Gm20732	0.00049761	0.0005039	0.00045042	5.35E-05	0.21468716	0.99999994
Lrrc69	0.00049739	0.00050345	0.00045022	5.32E-05	0.21564672	0.99999994
Ccr4	0.00049739	0.00050345	0.00045022	5.32E-05	0.21564672	0.99999994
Ercc6l	0.00251895	0.00232964	0.00227695	5.27E-05	0.43879012	0.99999994
Nol3	0.00503501	0.00459609	0.00454353	5.26E-05	0.46931292	0.99999994
Pgpep1l	0.00678144	0.00616457	0.00611224	5.23E-05	0.47727889	0.99999994
Ackr4	0.00049646	0.00050157	0.00044938	5.22E-05	0.21974217	0.99999994
Sec31b	0.00149818	0.00140696	0.00135519	5.18E-05	0.39963985	0.99999994
Zbtb46	0.00373253	0.00342264	0.00337116	5.15E-05	0.45951955	0.99999994
Gm13572	0.00224034	0.00207686	0.00202549	5.14E-05	0.43297047	0.99999994
Mad2l1bp	0.11173119	0.09389154	0.0938402	5.13E-05	0.49854705	0.99999994
Spdl1	0.00644849	0.0058647	0.00581346	5.12E-05	0.47660735	0.99999994
Lrp2	0.00092998	0.00089274	0.00084155	5.12E-05	0.34275977	0.99999994
Ak9	0.00162867	0.00152416	0.00147309	5.11E-05	0.40875266	0.99999994
Rfc5	0.1253318	0.10417981	0.10412935	5.05E-05	0.49871324	0.99999994
Sox6os	0.00179459	0.00167326	0.00162298	5.03E-05	0.41831869	0.99999994
Gm9801	0.00259872	0.00239907	0.00234893	5.01E-05	0.44350891	0.99999994
Cyb5d1	0.00722973	0.0065643	0.00651431	5.00E-05	0.47963309	0.99999994
Crocc2	0.0004944	0.00049741	0.00044751	4.99E-05	0.2289949	0.99999994
Gm6569	0.0004944	0.00049741	0.00044751	4.99E-05	0.2289949	0.99999994
Snhg18	0.09450469	0.08045189	0.08040202	4.99E-05	0.49835297	0.99999994

Lgr6	0.00049434	0.0004973	0.00044747	4.98E-05	0.22924017	0.99999994
Gm17202	0.00049429	0.00049719	0.00044742	4.98E-05	0.22948553	0.99999994
Gm29292	0.00049429	0.00049719	0.00044742	4.98E-05	0.22948553	0.99999994
Ms4a4a	0.00049429	0.00049719	0.00044742	4.98E-05	0.22948553	0.99999994
Pla2g12b	0.00131344	0.00123789	0.00118823	4.97E-05	0.3904414	0.99999994
Reck	0.00863444	0.00782207	0.00777264	4.94E-05	0.48311603	0.99999994
Pcdhb17	0.02424981	0.02165065	0.02160126	4.94E-05	0.49392865	0.99999994
Gm5420	0.00127468	0.00120243	0.00115319	4.92E-05	0.38811885	0.99999994
Anln	0.00329905	0.00302943	0.00298053	4.89E-05	0.4565165	0.99999994
Fgfr3	0.02936447	0.0261163	0.02606805	4.82E-05	0.49508511	0.99999994
Lrrc39	0.00093862	0.00089746	0.00084935	4.81E-05	0.35309333	0.99999994
Gpr75	0.00329527	0.0030251	0.00297712	4.80E-05	0.45728004	0.99999994
6530409C15I	0.00049257	0.00049373	0.00044586	4.79E-05	0.23738311	0.99999994
Gm10447	0.00049257	0.00049373	0.00044586	4.79E-05	0.23738311	0.99999994
Rab36	0.0788094	0.06777629	0.06772847	4.78E-05	0.49812518	0.99999994
Platr5	0.00049235	0.0004933	0.00044566	4.76E-05	0.23837645	0.99999994
Wnt7a	0.00049235	0.0004933	0.00044566	4.76E-05	0.23837645	0.99999994
Rgr	0.00049235	0.0004933	0.00044566	4.76E-05	0.23837645	0.99999994
Islr2	0.00049235	0.0004933	0.00044566	4.76E-05	0.23837645	0.99999994
Prtr4	0.00087068	0.00083553	0.00078791	4.76E-05	0.34372404	0.99999994
Kcne2	0.00092053	0.00088058	0.000833	4.76E-05	0.35188154	0.99999994
Tmem147os	0.001333	0.00125308	0.00120591	4.72E-05	0.39729162	0.99999994
Ppbp	0.00049176	0.00049212	0.00044513	4.70E-05	0.241115	0.99999994
Gm9754	0.00049176	0.00049212	0.00044513	4.70E-05	0.241115	0.99999994
Gm10840	0.00135646	0.00127402	0.00122711	4.69E-05	0.39957422	0.99999994
Gm15856	0.0004916	0.0004918	0.00044499	4.68E-05	0.24186359	0.99999994
Pltp	0.00369446	0.00338365	0.00333687	4.68E-05	0.46282441	0.99999994
Clec4a1	0.00114425	0.00108188	0.00103529	4.66E-05	0.38227225	0.99999994
Pcdhb20	0.01129474	0.01019563	0.01014914	4.65E-05	0.48783877	0.99999994
Pcsk9	0.00741945	0.00673083	0.0066844	4.64E-05	0.48156236	0.99999994

Gm13306	0.00094776	0.000904	0.00085762	4.64E-05	0.35944567	0.99999994
Rnf207	0.00169078	0.00157536	0.0015292	4.62E-05	0.42038604	0.99999994
Ptger4	0.00200667	0.00186057	0.00181451	4.61E-05	0.43292231	0.99999994
Lmx1a	0.00177819	0.00165418	0.00160817	4.60E-05	0.42448941	0.99999994
Vwce	0.00129651	0.00121867	0.00117293	4.57E-05	0.39759252	0.99999994
Dgkq	0.02303748	0.02058373	0.020538	4.57E-05	0.49408765	0.99999994
Elf5	0.00665366	0.00604325	0.00599759	4.57E-05	0.47979117	0.99999994
Tvp23bos	0.00137533	0.00128982	0.00124417	4.57E-05	0.40351838	0.99999994
Gm43301	0.00073607	0.00071097	0.00066616	4.48E-05	0.32715829	0.99999994
Gm29361	0.00130734	0.00122747	0.00118271	4.48E-05	0.40055481	0.99999994
Rbm46	0.00048926	0.00048714	0.00044287	4.43E-05	0.25292462	0.99999994
Hoxb3os	0.00113255	0.00106887	0.00102471	4.42E-05	0.38709539	0.99999994
Gm13470	0.00048916	0.00048692	0.00044277	4.42E-05	0.2534309	0.99999994
Pitx2	0.0004891	0.00048682	0.00044273	4.41E-05	0.25368416	0.99999994
Ftcd	0.0004891	0.00048682	0.00044273	4.41E-05	0.25368416	0.99999994
Cabyr	0.00122507	0.00115234	0.00110835	4.40E-05	0.3958109	0.99999994
Mterf1b	0.00942833	0.00852665	0.00848273	4.39E-05	0.48625303	0.99999994
Stx11	0.00081228	0.00077875	0.0007351	4.37E-05	0.34631184	0.99999994
Gxylt2	0.00166272	0.00154734	0.00150386	4.35E-05	0.42368979	0.99999994
Pcdhb22	0.01382792	0.01244758	0.01240417	4.34E-05	0.49070864	0.99999994
Il34	0.00126778	0.00119013	0.00114696	4.32E-05	0.40107184	0.99999994
Gm2449	0.00070886	0.0006845	0.00064155	4.30E-05	0.32790815	0.99999994
Gm36975	0.000488	0.00048462	0.00044172	4.29E-05	0.25901924	0.99999994
Ndufs2	1.01303251	0.42713566	0.42709279	4.29E-05	0.49973344	0.99999994
Trim12a	0.00104153	0.00098516	0.00094241	4.27E-05	0.38135549	0.99999994
Gm5475	0.00196214	0.00181697	0.0017743	4.27E-05	0.43641604	0.99999994
Gm11491	0.0048359	0.00440674	0.00436444	4.23E-05	0.47428094	0.99999994
Kcnv2	0.00080037	0.00076644	0.00072432	4.21E-05	0.34934667	0.99999994
Gm26636	0.00048716	0.00048295	0.00044096	4.20E-05	0.26310494	0.99999994
Gm3716	0.00658486	0.00597765	0.00593585	4.18E-05	0.48130808	0.99999994

Hgsnat	0.08444293	0.07234863	0.07230686	4.18E-05	0.49846575	0.99999994
Gm43573	0.00181133	0.00167971	0.0016381	4.16E-05	0.43286869	0.99999994
Ncaph	0.00967163	0.00874178	0.0087002	4.16E-05	0.48730887	0.99999994
Zbtb10	0.0363642	0.03217248	0.03213197	4.05E-05	0.49665225	0.99999994
Stmn2	0.00390726	0.00356896	0.00352855	4.04E-05	0.46961829	0.99999994
Amer3	0.00048538	0.00047944	0.00043936	4.01E-05	0.27184378	0.99999994
Col15a1	0.00222933	0.00205547	0.00201556	3.99E-05	0.44756723	0.99999994
Ooep	0.00171033	0.00158673	0.00154687	3.99E-05	0.43190539	0.99999994
Hapln3	0.00048497	0.00047862	0.00043898	3.96E-05	0.27391066	0.99999994
Lta	0.00048497	0.00047862	0.00043898	3.96E-05	0.27391066	0.99999994
O610031O16	0.00048497	0.00047862	0.00043898	3.96E-05	0.27391066	0.99999994
Trim29	0.00132597	0.00123918	0.00119955	3.96E-05	0.41298434	0.99999994
Rhoh	0.00090843	0.00086131	0.00082205	3.93E-05	0.37527476	0.99999994
B230312C02	0.00048455	0.0004778	0.00043861	3.92E-05	0.27598145	0.99999994
Robo4	0.00048455	0.0004778	0.00043861	3.92E-05	0.27598145	0.99999994
Myo7a	0.00088447	0.0008394	0.00080039	3.90E-05	0.37279959	0.99999994
Clic3	0.0011875	0.00111318	0.00107439	3.88E-05	0.40502982	0.99999994
P3h2	0.00048357	0.00047587	0.00043772	3.81E-05	0.28091471	0.99999994
Slc35f4	0.00184238	0.00170425	0.00166615	3.81E-05	0.43950707	0.99999994
Tgfbr2	0.00610357	0.00554182	0.00550379	3.80E-05	0.48165772	0.99999994
6720489N17	0.00972718	0.00878771	0.00874984	3.79E-05	0.48850991	0.99999994
Igfbp3	0.00681542	0.00618056	0.00614273	3.78E-05	0.4836528	0.99999994
Cyp2j9	0.00092941	0.00087851	0.00084102	3.75E-05	0.38334156	0.99999994
Bmyc	0.59452684	0.34976307	0.34972566	3.74E-05	0.49971594	0.99999994
Usp44	0.00048285	0.00047445	0.00043707	3.74E-05	0.28456288	0.99999994
Rbm11	0.00265718	0.00243896	0.00240167	3.73E-05	0.45884045	0.99999994
2310026L22F	0.00075086	0.00071683	0.00067954	3.73E-05	0.35745312	0.99999994
Atg4a-ps	0.00085465	0.00081067	0.00077342	3.73E-05	0.37425544	0.99999994
Cspg4	0.00048244	0.00047365	0.0004367	3.69E-05	0.28665236	0.99999994
Cdh17	0.00048234	0.00047344	0.0004366	3.68E-05	0.28717526	0.99999994

Irs3	0.00228952	0.00210661	0.00206989	3.67E-05	0.45299067	0.99999994
4921504A21	0.00214743	0.00197826	0.00194161	3.66E-05	0.45000963	0.99999994
Pgam2	0.00109414	0.00102611	0.00098998	3.61E-05	0.40403754	0.99999994
Celf5	0.02259904	0.02018903	0.02015305	3.60E-05	0.49525914	0.99999994
Ptf1aos	0.00048111	0.00047104	0.00043549	3.55E-05	0.29346618	0.99999994
Gm13074	0.00048101	0.00047084	0.0004354	3.54E-05	0.29399172	0.99999994
Gm16008	0.00048101	0.00047084	0.0004354	3.54E-05	0.29399172	0.99999994
Taf3	0.1688574	0.13559871	0.13556366	3.51E-05	0.49931336	0.99999994
Prm1	0.0004806	0.00047004	0.00043503	3.50E-05	0.29609583	0.99999994
Cenpp	0.01866824	0.01672634	0.01669167	3.47E-05	0.49448371	0.99999994
Zfp872	0.00048014	0.00046915	0.00043462	3.45E-05	0.29846656	0.99999994
Cfap99	0.00048014	0.00046915	0.00043462	3.45E-05	0.29846656	0.99999994
Arhgap25	0.00048009	0.00046905	0.00043457	3.45E-05	0.2987302	0.99999994
Spib	0.00048009	0.00046905	0.00043457	3.45E-05	0.2987302	0.99999994
Irf4	0.00048009	0.00046905	0.00043457	3.45E-05	0.2987302	0.99999994
Kctd6	0.01677645	0.01505371	0.01501927	3.44E-05	0.49391095	0.99999994
Cplx1	0.00142589	0.0013243	0.00128986	3.44E-05	0.42947288	0.99999994
Angpt4	0.00130538	0.00121538	0.00118095	3.44E-05	0.42304847	0.99999994
Stambpl1	0.00727952	0.00659329	0.00655895	3.43E-05	0.48610015	0.99999994
Fscn3	0.00214973	0.00197766	0.00194369	3.40E-05	0.45369916	0.99999994
Gm16140	0.00091037	0.00085734	0.00082381	3.35E-05	0.39324117	0.99999994
Pdf	0.00161097	0.00149055	0.0014571	3.34E-05	0.43928005	0.99999994
1700011M02	0.00171785	0.00158691	0.00155366	3.32E-05	0.44336119	0.99999994
Pkp1	0.00047888	0.00046668	0.00043347	3.32E-05	0.30507102	0.99999994
Zmynd12	0.00767449	0.00694615	0.00691299	3.32E-05	0.48726244	0.99999994
Hipk4	0.00047868	0.00046628	0.00043329	3.30E-05	0.30613023	0.99999994
Sox21	0.00047863	0.00046619	0.00043325	3.29E-05	0.30639513	0.99999994
Aspg	0.00047863	0.00046619	0.00043325	3.29E-05	0.30639513	0.99999994
Kcna4	0.00047858	0.00046609	0.0004332	3.29E-05	0.30666008	0.99999994
Foxd2	0.00047858	0.00046609	0.0004332	3.29E-05	0.30666008	0.99999994

Smpx	0.00130983	0.00121773	0.00118496	3.28E-05	0.4269837	0.99999994
1700113H08	0.00047837	0.00046569	0.00043302	3.27E-05	0.30772027	0.99999994
Gm37240	0.00047812	0.0004652	0.00043279	3.24E-05	0.30904641	0.99999994
Tacr1	0.00047812	0.0004652	0.00043279	3.24E-05	0.30904641	0.99999994
Dlx5	0.00047802	0.00046501	0.0004327	3.23E-05	0.30957714	0.99999994
Sfrp2	0.00317308	0.00289925	0.00286696	3.23E-05	0.47012737	0.99999994
Rasl10a	0.00168918	0.00155998	0.00152776	3.22E-05	0.44418823	0.99999994
Ccdc146	0.00385364	0.00351247	0.00348026	3.22E-05	0.47543719	0.99999994
2310043L19F	0.00047792	0.00046481	0.00043261	3.22E-05	0.31010803	0.99999994
Slc24a3	0.00127114	0.00118192	0.00115	3.19E-05	0.42670844	0.99999994
Gm43936	0.00072911	0.00069147	0.00065986	3.16E-05	0.37493337	0.99999994
Ino80b	0.25675823	0.19268078	0.19264923	3.15E-05	0.49956515	0.99999994
Atp10a	0.00163382	0.00150888	0.00147774	3.11E-05	0.44422518	0.99999994
Emcn	0.00071383	0.00067696	0.00064604	3.09E-05	0.3750212	0.99999994
Plip	0.00069162	0.00065662	0.00062595	3.07E-05	0.37213292	0.99999994
Ccl24	0.00047632	0.0004617	0.00043116	3.05E-05	0.31862251	0.99999994
Ptger1	0.00172473	0.00159036	0.00155988	3.05E-05	0.44825586	0.99999994
Jph1	0.0024591	0.00225334	0.00222294	3.04E-05	0.46372995	0.99999994
Itgb4	0.00047617	0.00046141	0.00043102	3.04E-05	0.31942259	0.99999994
Prdx6b	0.00091352	0.00085692	0.00082665	3.03E-05	0.4037194	0.99999994
Tmem132d	0.00047587	0.00046083	0.00043075	3.01E-05	0.32102365	0.99999994
Rxrg	0.00170622	0.00157315	0.00154315	3.00E-05	0.44853214	0.99999994
Slc45a3	0.00246554	0.00225827	0.00222876	2.95E-05	0.46488015	0.99999994
Afap1l2	0.00412342	0.00375239	0.00372322	2.92E-05	0.47920573	0.99999994
Cfap74	0.00047498	0.0004591	0.00042994	2.92E-05	0.32583368	0.99999994
Ankle1	0.00122041	0.00113316	0.00110414	2.90E-05	0.4305569	0.99999994
Tmem198b	0.02803982	0.02494308	0.02491413	2.90E-05	0.49691432	0.99999994
Igsf3	0.04385951	0.03859164	0.03856303	2.86E-05	0.49802988	0.99999994
Recql4	0.0010451	0.00097416	0.00094564	2.85E-05	0.42045155	0.99999994
Mdga1	0.0024894	0.00227856	0.00225028	2.83E-05	0.4666729	0.99999994

A730061H03	0.00047409	0.00045738	0.00042914	2.82E-05	0.33065326	0.99999994
Palld1	0.0100318	0.00904997	0.009022	2.80E-05	0.49176552	0.99999994
Clec3b	0.00227503	0.00208465	0.00205681	2.78E-05	0.46409746	0.99999994
Gm20324	0.00657677	0.00595628	0.00592859	2.77E-05	0.48759754	0.99999994
Peg12	0.0006227	0.00059054	0.00056361	2.69E-05	0.37518115	0.99999994
Hormad2	0.00047271	0.00045472	0.00042789	2.68E-05	0.33816724	0.99999994
Pou4f1	0.00267258	0.00244231	0.00241557	2.67E-05	0.47062747	0.99999994
Pnlip	0.00102209	0.00095158	0.00092484	2.67E-05	0.4236964	0.99999994
Capn3	0.00091673	0.00085624	0.00082956	2.67E-05	0.41525665	0.99999994
Cldn5	0.00267587	0.00244493	0.00241854	2.64E-05	0.47104471	0.99999994
1700003E16l	0.0022135	0.00202735	0.00200126	2.61E-05	0.46542458	0.99999994
Zfp108	0.00739224	0.00668607	0.00666001	2.61E-05	0.48961072	0.99999994
Cfap53	0.00125056	0.00115707	0.00113139	2.57E-05	0.43995605	0.99999994
Tll11	0.00324919	0.0029612	0.00293558	2.56E-05	0.47683918	0.99999994
Prickle4	0.00134012	0.0012378	0.00121235	2.55E-05	0.44443519	0.99999994
Etl4	0.12252555	0.10205045	0.10202501	2.54E-05	0.49933782	0.99999994
Nat14	0.08364179	0.07168319	0.07165779	2.54E-05	0.49905876	0.99999994
Gm15873	0.00047109	0.00045162	0.00042643	2.52E-05	0.34704526	0.99999994
Ptpro	0.00256095	0.00233994	0.00231485	2.51E-05	0.471248	0.99999994
Bcas3os2	0.00521521	0.00473041	0.00470556	2.48E-05	0.48598033	0.99999994
Endov	0.06747803	0.05844254	0.0584178	2.47E-05	0.49887549	0.99999994
Anxa9	0.00220828	0.00202126	0.00199655	2.47E-05	0.46717047	0.99999994
Tnfaip8l2	0.00237155	0.00216842	0.00214393	2.45E-05	0.46969709	0.99999994
Psma8	0.00064561	0.00060868	0.00058433	2.44E-05	0.39071961	0.99999994
Rad54l2	0.06875875	0.05950134	0.05947701	2.43E-05	0.49891375	0.99999994
Shank2	0.01202461	0.01082392	0.01079966	2.43E-05	0.49403542	0.99999994
Glipr2	0.00461704	0.00419162	0.00416754	2.41E-05	0.48466225	0.99999994
Zpld1	0.00046968	0.00044893	0.00042515	2.38E-05	0.35486292	0.99999994
Ubqln1	0.32683286	0.23269711	0.23267367	2.34E-05	0.49973244	0.99999994
Trim62	0.03851931	0.03401104	0.03398763	2.34E-05	0.49817126	0.99999994

Lect2	0.0004693	0.00044819	0.0004248	2.34E-05	0.35702159	0.99999994
6330562C20I	0.00294059	0.00268063	0.00265733	2.33E-05	0.47672071	0.99999994
Gm26608	0.00128537	0.00118555	0.00116285	2.27E-05	0.44832261	0.99999994
Slc26a3	0.00123251	0.00113715	0.00111508	2.21E-05	0.44757695	0.99999994
Troap	0.00046776	0.00044525	0.00042341	2.18E-05	0.36566306	0.99999994
Gm13596	0.00046766	0.00044507	0.00042332	2.17E-05	0.36620344	0.99999994
Robo3	0.00046756	0.00044488	0.00042323	2.16E-05	0.36674385	0.99999994
F12	0.00088513	0.00082261	0.00080098	2.16E-05	0.42866305	0.99999994
Kcnq2	0.00115879	0.00107003	0.00104843	2.16E-05	0.44545678	0.99999994
Ednrb	0.00257105	0.00234549	0.00232397	2.15E-05	0.47542466	0.99999994
Ifit1bl1	0.00112048	0.00103526	0.00101379	2.15E-05	0.44396205	0.99999994
Gm28529	0.00084308	0.00078435	0.00076295	2.14E-05	0.42594345	0.99999994
Bche	0.008126	0.00733868	0.00731745	2.12E-05	0.49229905	0.99999994
Anxa3	0.00587211	0.00531711	0.00529591	2.12E-05	0.4893699	0.99999994
Bricd5	0.00065327	0.00061232	0.00059125	2.11E-05	0.40624794	0.99999994
mt-Co3	4.10515902	0.22242529	0.22240427	2.10E-05	0.49974904	0.99999994
9330102E08I	0.00088108	0.00081833	0.00079732	2.10E-05	0.43038556	0.99999994
Itih5	0.00120774	0.00111368	0.00109269	2.10E-05	0.44911765	0.99999994
Mmab	0.04034884	0.03557971	0.03555879	2.09E-05	0.49843775	0.99999994
Hmg20b	0.46907599	0.30119982	0.30117916	2.07E-05	0.49981788	0.99999994
Gpr146	0.00847237	0.00764805	0.00762758	2.05E-05	0.49287384	0.99999994
Slc43a3	0.00206643	0.00188809	0.00186848	1.96E-05	0.47215091	0.99999994
Angptl3	0.00046485	0.00043973	0.00042078	1.90E-05	0.38215195	0.99999994
Mfap5	0.00374558	0.00340186	0.00338292	1.89E-05	0.48513854	0.99999994
Rgs9bp	0.0030951	0.00281547	0.00279665	1.88E-05	0.48213411	0.99999994
Ybx2	0.00298373	0.00271496	0.00269622	1.87E-05	0.48155301	0.99999994
Cygb	0.00169824	0.00155463	0.00153594	1.87E-05	0.46773028	0.99999994
Hoxaas3	0.00302974	0.00275606	0.00273772	1.83E-05	0.48221043	0.99999994
Kif17	0.00927644	0.00836508	0.00834693	1.82E-05	0.49422383	0.99999994
lglon5	0.00304284	0.00276763	0.00274953	1.81E-05	0.48252799	0.99999994

Al593442	0.00046367	0.0004375	0.00041971	1.78E-05	0.38890971	0.99999994
A930017K11	0.00046367	0.0004375	0.00041971	1.78E-05	0.38890971	0.99999994
Gm17203	0.00046353	0.00043723	0.00041958	1.77E-05	0.38972047	0.99999994
Slc15a1	0.00582281	0.00526927	0.00525162	1.76E-05	0.49107671	0.99999994
4933428P19I	0.00046348	0.00043714	0.00041954	1.76E-05	0.38999071	0.99999994
Gm26646	0.00077197	0.00071619	0.00069863	1.76E-05	0.43358476	0.99999994
Hgf	0.00113906	0.00104805	0.00103059	1.75E-05	0.45510581	0.99999994
Hnf1b	0.05915337	0.05150711	0.05148973	1.74E-05	0.49910356	0.99999994
Adgra2	0.00134825	0.00123699	0.00121969	1.73E-05	0.46239376	0.99999994
Nat8l	0.0004631	0.00043644	0.0004192	1.72E-05	0.39215242	0.99999994
Gm11520	0.00250383	0.00228053	0.00226331	1.72E-05	0.47979983	0.99999994
9230104M0E	0.00046273	0.00043573	0.00041886	1.69E-05	0.3943137	0.99999994
Zfp536	0.00046268	0.00043564	0.00041882	1.68E-05	0.39458383	0.99999994
Agtr1b	0.00046254	0.00043537	0.00041869	1.67E-05	0.39539415	0.99999994
Gm15774	0.00090544	0.00083599	0.00081935	1.66E-05	0.44624626	0.99999994
Nr4a3	0.00187042	0.00170778	0.00169147	1.63E-05	0.47440949	0.99999994
6230400D17I	0.0073058	0.00659875	0.00658252	1.62E-05	0.4934518	0.99999994
Gm15839	0.00156665	0.00143315	0.00141706	1.61E-05	0.46988336	0.99999994
Cyp2c70	0.00046184	0.00043406	0.00041805	1.60E-05	0.39944457	0.99999994
Gstp2	0.00116418	0.00106891	0.0010533	1.56E-05	0.46072209	0.99999994
Dleu7	0.00119905	0.00110006	0.00108483	1.52E-05	0.46275437	0.99999994
Htr3a	0.00131573	0.00120546	0.0011903	1.52E-05	0.46620433	0.99999994
Rasd2	0.00067937	0.00063001	0.00061487	1.51E-05	0.43492085	0.99999994
Adamts14	0.00046072	0.00043196	0.00041704	1.49E-05	0.40592015	0.99999994
Rasal3	0.00658928	0.00595467	0.00593982	1.49E-05	0.49335982	0.99999994
Ppm1m	0.02055377	0.01836903	0.01835431	1.47E-05	0.49786968	0.99999994
Inf2	0.00138805	0.00127028	0.00125567	1.46E-05	0.46912319	0.99999994
Gm12359	0.00110107	0.00101083	0.00099625	1.46E-05	0.46119266	0.99999994
Gm15050	0.00185574	0.00169269	0.00167822	1.45E-05	0.4771116	0.99999994
Rassf2	0.00147961	0.00135262	0.00133841	1.42E-05	0.47181543	0.99999994

Adad1	0.00045989	0.00043039	0.00041629	1.41E-05	0.41077176	0.99999994
Map3k13	0.00085136	0.00078427	0.00077044	1.38E-05	0.4524611	0.99999994
Slc9b2	0.0007656	0.00070613	0.00069288	1.33E-05	0.44933924	0.99999994
Erich2os	0.00129893	0.0011883	0.00117511	1.32E-05	0.47023254	0.99999994
1700102P08I	0.00089542	0.00082346	0.00081029	1.32E-05	0.45692128	0.99999994
Esco2	0.00093842	0.0008623	0.00084918	1.31E-05	0.4590183	0.99999994
Klk1b3	0.00219491	0.0019975	0.00198448	1.30E-05	0.4825888	0.99999994
Itpripl2	0.00090155	0.00082879	0.00081583	1.30E-05	0.45790268	0.99999994
Foxf2	0.00045869	0.00042815	0.0004152	1.29E-05	0.41777028	0.99999994
Dph1	0.0006654	0.00061513	0.00060223	1.29E-05	0.44331043	0.99999994
Gm12207	0.00662505	0.00598457	0.00597192	1.27E-05	0.49437423	0.99999994
Fgl1	0.00104853	0.00096129	0.00094875	1.25E-05	0.46494721	0.99999994
Epor	0.00045804	0.00042695	0.00041462	1.23E-05	0.42153342	0.99999994
Rrs1	0.17265661	0.13821508	0.13820325	1.18E-05	0.49977274	0.99999994
Exoc3l	0.00591648	0.00534759	0.00533576	1.18E-05	0.49411576	0.99999994
Plscr2	0.00128199	0.00117141	0.0011598	1.16E-05	0.47344027	0.99999994
Fam149a	0.01332157	0.01196551	0.01195404	1.15E-05	0.49745141	0.99999994
Myct1	0.00107973	0.00098831	0.00097695	1.14E-05	0.46915382	0.99999994
Nxpe3	0.01415052	0.01270167	0.0126908	1.09E-05	0.49772482	0.99999994
Gm5724	0.00089828	0.00082353	0.00081287	1.07E-05	0.46523205	0.99999994
Cdh6	0.00080378	0.0007377	0.00072741	1.03E-05	0.46248633	0.99999994
Gm4221	0.00088443	0.00081033	0.00080035	9.98E-06	0.46691836	0.99999994
Sntb1	0.0012022	0.00109754	0.00108768	9.86E-06	0.47593994	0.99999994
Lrrc9	0.00504079	0.00455858	0.00454872	9.86E-06	0.49424584	0.99999994
Twist1	0.00045513	0.00042153	0.00041198	9.55E-06	0.43867845	0.99999994
Mb	0.00169045	0.0015384	0.00152891	9.50E-06	0.48351317	0.99999994
Gimap8	0.00308216	0.00279447	0.00278499	9.48E-06	0.4909607	0.99999994
Gm26920	0.00045499	0.00042128	0.00041186	9.42E-06	0.43947946	0.99999994
Prl8a8	0.0004549	0.00042111	0.00041178	9.34E-06	0.44001332	0.99999994
Ifi44	0.00045477	0.00042086	0.00041165	9.21E-06	0.44081389	0.99999994

Ackr2	0.00089689	0.00082077	0.00081162	9.15E-06	0.47007508	0.99999994
Lrrc8c	0.0247043	0.02200845	0.02199942	9.03E-06	0.49891005	0.99999994
Kdm4d	0.00089937	0.00082264	0.00081386	8.77E-06	0.47140265	0.99999994
D630023F18	0.00068808	0.00063148	0.00062275	8.74E-06	0.462801	0.99999994
Dpp4	0.0313849	0.02783283	0.02782417	8.66E-06	0.49917357	0.99999994
Sirt7	0.22592586	0.17355463	0.17354616	8.47E-06	0.49987043	0.99999994
Aplnr	0.00086151	0.0007879	0.00077962	8.28E-06	0.47181691	0.99999994
Trmt10c	0.18625653	0.14752741	0.14751918	8.23E-06	0.49985187	0.99999994
Lcp2	0.00202535	0.00183944	0.00183138	8.06E-06	0.48831684	0.99999994
Sgk1	0.01373538	0.01232989	0.01232193	7.95E-06	0.49828592	0.99999994
Mtfr2	0.00124682	0.00113571	0.00112801	7.70E-06	0.48187086	0.99999994
BC037039	0.00108859	0.0009926	0.00098497	7.64E-06	0.47941513	0.99999994
Mamdc2	0.00089728	0.00081887	0.00081197	6.90E-06	0.47744669	0.99999994
Platr4	0.00045198	0.00041573	0.00040913	6.59E-06	0.45729416	0.99999994
Irx3	0.00045194	0.00041564	0.00040909	6.55E-06	0.45755888	0.99999994
Calhm2	0.00381102	0.00344842	0.00344187	6.55E-06	0.49494961	0.99999994
Tcaf2	0.00045176	0.00041532	0.00040893	6.38E-06	0.45861738	0.99999994
Nipal4	0.00045176	0.00041532	0.00040893	6.38E-06	0.45861738	0.99999994
Alk	0.00045167	0.00041515	0.00040885	6.30E-06	0.45914641	0.99999994
Stac	0.00045154	0.00041491	0.00040873	6.18E-06	0.45993967	0.99999994
Npffr2	0.00068602	0.00062701	0.00062089	6.12E-06	0.47383514	0.99999994
Mgam	0.00222436	0.00201671	0.00201106	5.64E-06	0.49254731	0.99999994
Kcnj11	0.00291332	0.00263822	0.00263273	5.49E-06	0.49446088	0.99999994
Gm10273	0.00581147	0.00524666	0.00524143	5.23E-06	0.49735046	0.99999994
Ccnf	0.00497861	0.00449802	0.0044928	5.22E-06	0.49691711	0.99999994
Fam78b	0.00087707	0.00079874	0.00079369	5.05E-06	0.48309468	0.99999994
Bmp8b	0.00045025	0.00041255	0.00040757	4.98E-06	0.46758976	0.99999994
Gm17227	0.0048125	0.00434819	0.00434339	4.79E-06	0.49707042	0.99999994
Fcrl6	0.00125784	0.00114262	0.00113797	4.65E-06	0.48915829	0.99999994
Tspan14	0.10211483	0.08643029	0.08642581	4.49E-06	0.49986213	0.99999994

8030443G20	0.00236348	0.00214092	0.00213664	4.27E-06	0.49468746	0.99999994
C130050O18	0.00044932	0.00041085	0.00040673	4.12E-06	0.47310805	0.99999994
Banf2os	0.00116844	0.00106067	0.00105716	3.52E-06	0.49116215	0.99999994
Pla2g2e	0.00080527	0.00073194	0.00072876	3.18E-06	0.48841478	0.99999994
Gm42477	0.00390075	0.00352569	0.0035227	2.99E-06	0.49774336	0.99999994
S1pr5	0.00044775	0.00040797	0.0004053	2.67E-06	0.48252303	0.99999994
Gm13565	0.00089041	0.00080834	0.00080575	2.59E-06	0.49146419	0.99999994
Kcne1	0.0007223	0.00065603	0.00065371	2.33E-06	0.49054924	0.99999994
Hsf4	0.004117	0.00371898	0.00371744	1.54E-06	0.49890283	0.99999994
4930599N23	0.00152541	0.00138118	0.00137979	1.39E-06	0.4973275	0.99999994
Pstpip1	0.00289201	0.00261471	0.00261351	1.20E-06	0.49878564	0.99999994
Rem1	0.00118969	0.00107742	0.00107637	1.05E-06	0.49741173	0.99999994
Cacna1f	0.00044587	0.00040457	0.00040361	9.59E-07	0.49368868	0.99999994
Lrfn2	0.00044587	0.00040457	0.00040361	9.59E-07	0.49368868	0.99999994
Osr2	0.00122091	0.00110547	0.00110459	8.83E-07	0.49787695	0.99999994
Gm12843	0.00087623	0.00079378	0.00079294	8.47E-07	0.497165	0.99999994
L1td1	0.00300533	0.00271632	0.00271571	6.11E-07	0.49940222	0.99999994
Tenm1	0.0004451	0.00040316	0.0004029	2.53E-07	0.49833511	0.99999994
Sox17	0	0	0	0	NA	NA
Rgs20	0	0	0	0	NA	NA
Npbwr1	0	0	0	0	NA	NA
Xkr9	0	0	0	0	NA	NA
Gm9947	0	0	0	0	NA	NA
Msc	0	0	0	0	NA	NA
Gm16070	0	0	0	0	NA	NA
Gm28287	0	0	0	0	NA	NA
Rims1	0	0	0	0	NA	NA
Gm37724	0	0	0	0	NA	NA
Gm28306	0	0	0	0	NA	NA
Cfc1	0	0	0	0	NA	NA

Gm33280	0	0	0	0 NA	NA
Gm33533	0	0	0	0 NA	NA
4930556I23R	0	0	0	0 NA	NA
Npas2	0	0	0	0 NA	NA
1700066B17I	0	0	0	0 NA	NA
Il1rl1	0	0	0	0 NA	NA
Il18rap	0	0	0	0 NA	NA
Slc9a2	0	0	0	0 NA	NA
4930448I06R	0	0	0	0 NA	NA
Pantr1	0	0	0	0 NA	NA
Pou3f3	0	0	0	0 NA	NA
Gm29157	0	0	0	0 NA	NA
Mettl21c	0	0	0	0 NA	NA
Dnah7c	0	0	0	0 NA	NA
Gm28055	0	0	0	0 NA	NA
Gm28551	0	0	0	0 NA	NA
Gm10561	0	0	0	0 NA	NA
Boll	0	0	0	0 NA	NA
4930558J18F	0	0	0	0 NA	NA
Aox3	0	0	0	0 NA	NA
Aox2	0	0	0	0 NA	NA
9530026F06I	0	0	0	0 NA	NA
Pard3bos1	0	0	0	0 NA	NA
Cryge	0	0	0	0 NA	NA
Abca12	0	0	0	0 NA	NA
Gm29185	0	0	0	0 NA	NA
Pinc	0	0	0	0 NA	NA
D530049I02F	0	0	0	0 NA	NA
Gm29183	0	0	0	0 NA	NA
Plcd4	0	0	0	0 NA	NA

Prkag3	0	0	0	0 NA	NA
Wnt10a	0	0	0	0 NA	NA
Gm15179	0	0	0	0 NA	NA
Gm28386	0	0	0	0 NA	NA
BC035947	0	0	0	0 NA	NA
5730419F03I	0	0	0	0 NA	NA
Fam124b	0	0	0	0 NA	NA
Slc16a14	0	0	0	0 NA	NA
Htr2b	0	0	0	0 NA	NA
Gm21972	0	0	0	0 NA	NA
Gm16341	0	0	0	0 NA	NA
Gm28626	0	0	0	0 NA	NA
Gm29374	0	0	0	0 NA	NA
Prss56	0	0	0	0 NA	NA
Ugt1a7c	0	0	0	0 NA	NA
Ugt1a6a	0	0	0	0 NA	NA
Glrp1	0	0	0	0 NA	NA
Gm19589	0	0	0	0 NA	NA
Gm29336	0	0	0	0 NA	NA
Gm28723	0	0	0	0 NA	NA
Gm28722	0	0	0	0 NA	NA
Rbm44	0	0	0	0 NA	NA
Gm29100	0	0	0	0 NA	NA
Otos	0	0	0	0 NA	NA
Gm29483	0	0	0	0 NA	NA
Gm29480	0	0	0	0 NA	NA
Ankmy1	0	0	0	0 NA	NA
Gpr35	0	0	0	0 NA	NA
Agxt	0	0	0	0 NA	NA
Gm10550	0	0	0	0 NA	NA

1810006J02F	0	0	0	0 NA	NA
Cdh20	0	0	0	0 NA	NA
D630008O14	0	0	0	0 NA	NA
Serpinb3a	0	0	0	0 NA	NA
Serpinb2	0	0	0	0 NA	NA
Gm26831	0	0	0	0 NA	NA
3830432H09	0	0	0	0 NA	NA
Cfap221	0	0	0	0 NA	NA
Marco	0	0	0	0 NA	NA
Celrr	0	0	0	0 NA	NA
Acmsd	0	0	0	0 NA	NA
Thsd7b	0	0	0	0 NA	NA
Il19	0	0	0	0 NA	NA
Il10	0	0	0	0 NA	NA
Gm28913	0	0	0	0 NA	NA
Lemd1	0	0	0	0 NA	NA
Lax1	0	0	0	0 NA	NA
Gm1627	0	0	0	0 NA	NA
Chit1	0	0	0	0 NA	NA
Mybph	0	0	0	0 NA	NA
Platr1	0	0	0	0 NA	NA
Syt2	0	0	0	0 NA	NA
Lmod1	0	0	0	0 NA	NA
Gm4793	0	0	0	0 NA	NA
Mroh3	0	0	0	0 NA	NA
Gm26568	0	0	0	0 NA	NA
Platr22	0	0	0	0 NA	NA
Lhx9	0	0	0	0 NA	NA
Kcnt2	0	0	0	0 NA	NA
Rgs18	0	0	0	0 NA	NA

Gm29514	0	0	0	0 NA	NA
Brinp3	0	0	0	0 NA	NA
Ptgs2	0	0	0	0 NA	NA
Ptgs2os2	0	0	0	0 NA	NA
Prg4	0	0	0	0 NA	NA
Nmnat2	0	0	0	0 NA	NA
Rgs1	0	0	0	0 NA	NA
Gm29291	0	0	0	0 NA	NA
A830008E24	0	0	0	0 NA	NA
Gm5532	0	0	0	0 NA	NA
4930439D14	0	0	0	0 NA	NA
Gm28694	0	0	0	0 NA	NA
4930562F07I	0	0	0	0 NA	NA
Tnfsf18	0	0	0	0 NA	NA
Fasl	0	0	0	0 NA	NA
Gm16548	0	0	0	0 NA	NA
Dpt	0	0	0	0 NA	NA
Gm26665	0	0	0	0 NA	NA
Mael	0	0	0	0 NA	NA
5330438I03R	0	0	0	0 NA	NA
Gm16701	0	0	0	0 NA	NA
Gm2453	0	0	0	0 NA	NA
Sh2d1b1	0	0	0	0 NA	NA
Fcgr4	0	0	0	0 NA	NA
Gm17224	0	0	0	0 NA	NA
Aim2	0	0	0	0 NA	NA
Ifi205	0	0	0	0 NA	NA
Grem2	0	0	0	0 NA	NA
Kmo	0	0	0	0 NA	NA
Gm10518	0	0	0	0 NA	NA

Mixl1	0	0	0	0 NA	NA
Lefty2	0	0	0	0 NA	NA
Cnih3	0	0	0	0 NA	NA
1700047M11	0	0	0	0 NA	NA
Gm37885	0	0	0	0 NA	NA
Capn8	0	0	0	0 NA	NA
Gm37800	0	0	0	0 NA	NA
Gm37662	0	0	0	0 NA	NA
Gm34882	0	0	0	0 NA	NA
Gm2061	0	0	0	0 NA	NA
A430027H14	0	0	0	0 NA	NA
Gm29678	0	0	0	0 NA	NA
Gm37168	0	0	0	0 NA	NA
Cr2	0	0	0	0 NA	NA
Gm13180	0	0	0	0 NA	NA
Gm13267	0	0	0	0 NA	NA
Gm13383	0	0	0	0 NA	NA
Gm13391	0	0	0	0 NA	NA
Gm13262	0	0	0	0 NA	NA
Prkcq	0	0	0	0 NA	NA
Gm13293	0	0	0	0 NA	NA
E030013I19R	0	0	0	0 NA	NA
C1ql3	0	0	0	0 NA	NA
Cubn	0	0	0	0 NA	NA
St8sia6	0	0	0	0 NA	NA
4921504E06I	0	0	0	0 NA	NA
Gm13375	0	0	0	0 NA	NA
Nxph2	0	0	0	0 NA	NA
Il1rn	0	0	0	0 NA	NA
Pax8	0	0	0	0 NA	NA

Entpd8	0	0	0	0 NA	NA
Cysrt1	0	0	0	0 NA	NA
Fcnaos	0	0	0	0 NA	NA
Lcn8	0	0	0	0 NA	NA
Obp2a	0	0	0	0 NA	NA
Sohlh1	0	0	0	0 NA	NA
Snhg7os	0	0	0	0 NA	NA
Stkld1	0	0	0	0 NA	NA
Dbh	0	0	0	0 NA	NA
Sardhos	0	0	0	0 NA	NA
Gbgt1	0	0	0	0 NA	NA
Gfi1b	0	0	0	0 NA	NA
Ntng2	0	0	0	0 NA	NA
Gm13402	0	0	0	0 NA	NA
Gm14487	0	0	0	0 NA	NA
Gm13523	0	0	0	0 NA	NA
Gm13528	0	0	0	0 NA	NA
Gm13403	0	0	0	0 NA	NA
C230014O12	0	0	0	0 NA	NA
Gm13431	0	0	0	0 NA	NA
Nr5a1	0	0	0	0 NA	NA
Gm13479	0	0	0	0 NA	NA
Gm13481	0	0	0	0 NA	NA
Gm13499	0	0	0	0 NA	NA
Gm13490	0	0	0	0 NA	NA
Galnt5	0	0	0	0 NA	NA
Ermn	0	0	0	0 NA	NA
Gm13546	0	0	0	0 NA	NA
Gm13571	0	0	0	0 NA	NA
Tbr1	0	0	0	0 NA	NA

Csrnp3	0	0	0	0 NA	NA
Scn1a	0	0	0	0 NA	NA
B3galt1	0	0	0	0 NA	NA
Myo3b	0	0	0	0 NA	NA
Sp5	0	0	0	0 NA	NA
Dlx1as	0	0	0	0 NA	NA
Dlx1	0	0	0	0 NA	NA
Sp9	0	0	0	0 NA	NA
Hoxd9	0	0	0	0 NA	NA
Hoxd3os1	0	0	0	0 NA	NA
Hoxd8	0	0	0	0 NA	NA
Hoxd3	0	0	0	0 NA	NA
Hagl	0	0	0	0 NA	NA
Gm14424	0	0	0	0 NA	NA
Gm14426	0	0	0	0 NA	NA
Hoxd1	0	0	0	0 NA	NA
Gm14461	0	0	0	0 NA	NA
Ppp1r1c	0	0	0	0 NA	NA
Gm28675	0	0	0	0 NA	NA
Calcr1	0	0	0	0 NA	NA
Gm13710	0	0	0	0 NA	NA
Smtnl1	0	0	0	0 NA	NA
Prg2	0	0	0	0 NA	NA
P2rx3	0	0	0	0 NA	NA
Pramel7	0	0	0	0 NA	NA
Alx4	0	0	0	0 NA	NA
Lrrc4c	0	0	0	0 NA	NA
Gm13920	0	0	0	0 NA	NA
4931422A03	0	0	0	0 NA	NA
A930018P22	0	0	0	0 NA	NA

Ano3	0	0	0	0 NA	NA
Chrm5	0	0	0	0 NA	NA
Tmco5b	0	0	0	0 NA	NA
Gm13974	0	0	0	0 NA	NA
3110099E03I	0	0	0	0 NA	NA
Gm13977	0	0	0	0 NA	NA
Gpr176	0	0	0	0 NA	NA
Ankrd63	0	0	0	0 NA	NA
Plcb2	0	0	0	0 NA	NA
Pla2g4e	0	0	0	0 NA	NA
Pla2g4d	0	0	0	0 NA	NA
Serinc4	0	0	0	0 NA	NA
Mageb3	0	0	0	0 NA	NA
Patl2	0	0	0	0 NA	NA
Trim69	0	0	0	0 NA	NA
Duoxa2	0	0	0	0 NA	NA
Gm9913	0	0	0	0 NA	NA
Atp8b4	0	0	0	0 NA	NA
4933427J07F	0	0	0	0 NA	NA
Gm14029	0	0	0	0 NA	NA
A730036I17F	0	0	0	0 NA	NA
Il1a	0	0	0	0 NA	NA
Il1bos	0	0	0	0 NA	NA
Pdyn	0	0	0	0 NA	NA
Prokr2	0	0	0	0 NA	NA
4921508D12	0	0	0	0 NA	NA
1700026D11	0	0	0	0 NA	NA
Gm14055	0	0	0	0 NA	NA
Sptlc3	0	0	0	0 NA	NA
Otor	0	0	0	0 NA	NA

Nkx2-2os	0	0	0	0 NA	NA
Cst12	0	0	0	0 NA	NA
Cst13	0	0	0	0 NA	NA
Cst3	1.9281702	0.37251798	0.37251798	0	0.5 0.99999994
Gm14139	0	0	0	0 NA	NA
Gm14124	0	0	0	0 NA	NA
Gm10130	0	0	0	0 NA	NA
Zfp345	0	0	0	0 NA	NA
Cst7	0	0	0	0 NA	NA
Acss1	0	0	0	0 NA	NA
Nrsn2	0	0	0	0 NA	NA
Gm14161	0	0	0	0 NA	NA
Defb36	0	0	0	0 NA	NA
Defb25	0	0	0	0 NA	NA
Mylk2	0	0	0	0 NA	NA
Efcab8	0	0	0	0 NA	NA
Bpifa6	0	0	0	0 NA	NA
Bpifb1	0	0	0	0 NA	NA
Bpifb5	0	0	0	0 NA	NA
Gm14214	0	0	0	0 NA	NA
Gdf5	0	0	0	0 NA	NA
Mroh8	0	0	0	0 NA	NA
Ghrh	0	0	0	0 NA	NA
Platr27	0	0	0	0 NA	NA
2010009K17I	0	0	0	0 NA	NA
1700060C20I	0	0	0	0 NA	NA
Emilin3	0	0	0	0 NA	NA
Gtsf1l	0	0	0	0 NA	NA
Jph2	0	0	0	0 NA	NA
Hnf4aos	0	0	0	0 NA	NA

Kcns1	0	0	0	0 NA	NA
Svs4	0	0	0	0 NA	NA
Gm14317	0	0	0	0 NA	NA
Wfdc6a	0	0	0	0 NA	NA
Wfdc8	0	0	0	0 NA	NA
Wfdc9	0	0	0	0 NA	NA
Gm11457	0	0	0	0 NA	NA
Mmp9	0	0	0	0 NA	NA
Zfp663	0	0	0	0 NA	NA
Ocstamp	0	0	0	0 NA	NA
Slc13a3	0	0	0	0 NA	NA
Gm14235	0	0	0	0 NA	NA
Gm9873	0	0	0	0 NA	NA
Gm16796	0	0	0	0 NA	NA
Gm14275	0	0	0	0 NA	NA
Cass4	0	0	0	0 NA	NA
Fam209	0	0	0	0 NA	NA
Spo11	0	0	0	0 NA	NA
Gm14453	0	0	0	0 NA	NA
Pmepa1os	0	0	0	0 NA	NA
1700010B08	0	0	0	0 NA	NA
Tubb1	0	0	0	0 NA	NA
Gm14393	0	0	0	0 NA	NA
Gm14434	0	0	0	0 NA	NA
Gm14308	0	0	0	0 NA	NA
Sycp2	0	0	0	0 NA	NA
Rbbp8nl	0	0	0	0 NA	NA
Ntsr1	0	0	0	0 NA	NA
Gm14342	0	0	0	0 NA	NA
Birc7	0	0	0	0 NA	NA

Ccnb3	0	0	0	0 NA	NA
Foxp3	0	0	0	0 NA	NA
Gm14820	0	0	0	0 NA	NA
Gm14493	0	0	0	0 NA	NA
Gm14635	0	0	0	0 NA	NA
Gpr34	0	0	0	0 NA	NA
Ndp	0	0	0	0 NA	NA
Zfp300	0	0	0	0 NA	NA
Gm14549	0	0	0	0 NA	NA
Akap14	0	0	0	0 NA	NA
Rhox5	0	0	0	0 NA	NA
Sash3	0	0	0	0 NA	NA
Usp26	0	0	0	0 NA	NA
Gm28730	0	0	0	0 NA	NA
Gm773	0	0	0	0 NA	NA
Mcf2	0	0	0	0 NA	NA
Slitrk4	0	0	0	0 NA	NA
Slitrk2	0	0	0	0 NA	NA
Fmr1nb	0	0	0	0 NA	NA
Gm6812	0	0	0	0 NA	NA
1700020N15	0	0	0	0 NA	NA
Gpr50	0	0	0	0 NA	NA
Gm1141	0	0	0	0 NA	NA
Gabra3	0	0	0	0 NA	NA
Pnma5	0	0	0	0 NA	NA
Tktl1	0	0	0	0 NA	NA
Fthl17a	0	0	0	0 NA	NA
Gm14762	0	0	0	0 NA	NA
Nr0b1	0	0	0	0 NA	NA
Gm27000	0	0	0	0 NA	NA

Gm14798	0	0	0	0 NA	NA
Asb12	0	0	0	0 NA	NA
F630028O10	0	0	0	0 NA	NA
Vsig4	0	0	0	0 NA	NA
Hsf3	0	0	0	0 NA	NA
Gpr165	0	0	0	0 NA	NA
Ar	0	0	0	0 NA	NA
Gm14808	0	0	0	0 NA	NA
Gdpd2	0	0	0	0 NA	NA
Slc7a3	0	0	0	0 NA	NA
Cxcr3	0	0	0	0 NA	NA
Gm4779	0	0	0	0 NA	NA
8030474K03I	0	0	0	0 NA	NA
Fgf16	0	0	0	0 NA	NA
Fndc3c1	0	0	0	0 NA	NA
Gm5127	0	0	0	0 NA	NA
P2ry10	0	0	0	0 NA	NA
Gpr174	0	0	0	0 NA	NA
Tex16	0	0	0	0 NA	NA
Tnmd	0	0	0	0 NA	NA
Nox1	0	0	0	0 NA	NA
Cenpi	0	0	0	0 NA	NA
Drp2	0	0	0	0 NA	NA
Tceal6	0	0	0	0 NA	NA
Nxf3	0	0	0	0 NA	NA
Kir3dl1	0	0	0	0 NA	NA
Il1rapl2	0	0	0	0 NA	NA
4930513O06	0	0	0	0 NA	NA
Ripply1	0	0	0	0 NA	NA
Eif2c5	0	0	0	0 NA	NA

Vsig1	0	0	0	0 NA	NA
Gucy2f	0	0	0	0 NA	NA
Htr2c	0	0	0	0 NA	NA
Gm15104	0	0	0	0 NA	NA
Gm15138	0	0	0	0 NA	NA
Gpr143	0	0	0	0 NA	NA
Ptchd1	0	0	0	0 NA	NA
Gm15155	0	0	0	0 NA	NA
Ppef1	0	0	0	0 NA	NA
Rs1	0	0	0	0 NA	NA
Bmx	0	0	0	0 NA	NA
Gm8817	0	0	0	0 NA	NA
Gm15232	0	0	0	0 NA	NA
Tlr8	0	0	0	0 NA	NA
Tlr7	0	0	0	0 NA	NA
Frmpd4	0	0	0	0 NA	NA
Gm17308	0	0	0	0 NA	NA
Il7	0	0	0	0 NA	NA
Gm16685	0	0	0	0 NA	NA
Slc10a5	0	0	0	0 NA	NA
Gm2464	0	0	0	0 NA	NA
Car1	0	0	0	0 NA	NA
Gm5150	0	0	0	0 NA	NA
Trim55	0	0	0	0 NA	NA
Gm43674	0	0	0	0 NA	NA
Gm33051	0	0	0	0 NA	NA
Gm37867	0	0	0	0 NA	NA
Egfem1	0	0	0	0 NA	NA
Lrrc31	0	0	0	0 NA	NA
Gm43666	0	0	0	0 NA	NA

Sox2	0	0	0	0 NA	NA
Trpc3	0	0	0	0 NA	NA
Gm29230	0	0	0	0 NA	NA
Gm20402	0	0	0	0 NA	NA
Stoml3	0	0	0	0 NA	NA
Sertm1	0	0	0	0 NA	NA
Ccdc169	0	0	0	0 NA	NA
Gm43549	0	0	0	0 NA	NA
Mab21l1	0	0	0	0 NA	NA
Gm37696	0	0	0	0 NA	NA
9330121J05F	0	0	0	0 NA	NA
A330015K06	0	0	0	0 NA	NA
Gm35584	0	0	0	0 NA	NA
Gm17641	0	0	0	0 NA	NA
Arl14	0	0	0	0 NA	NA
Sptssb	0	0	0	0 NA	NA
Slitrk3	0	0	0	0 NA	NA
Platr10	0	0	0	0 NA	NA
Gm37256	0	0	0	0 NA	NA
Rxfp1	0	0	0	0 NA	NA
Gm36569	0	0	0	0 NA	NA
A330069K06	0	0	0	0 NA	NA
A830029E22	0	0	0	0 NA	NA
Fga	0	0	0	0 NA	NA
Gm10710	0	0	0	0 NA	NA
Dchs2	0	0	0	0 NA	NA
Cd5l	0	0	0	0 NA	NA
Fcrl1	0	0	0	0 NA	NA
Al849053	0	0	0	0 NA	NA
Gm16069	0	0	0	0 NA	NA

4731419I09R	0	0	0	0 NA	NA
Dcst1	0	0	0	0 NA	NA
Gm16048	0	0	0	0 NA	NA
S100a2	0	0	0	0 NA	NA
S100a5	0	0	0	0 NA	NA
Sprr2b	0	0	0	0 NA	NA
Sprr2i	0	0	0	0 NA	NA
Lce6a	0	0	0	0 NA	NA
Lce3a	0	0	0	0 NA	NA
Lce3c	0	0	0	0 NA	NA
Crct1	0	0	0	0 NA	NA
Selenbp2	0	0	0	0 NA	NA
Adam30	0	0	0	0 NA	NA
Reg4	0	0	0	0 NA	NA
Hsd3b1	0	0	0	0 NA	NA
Cd101	0	0	0	0 NA	NA
Gm16160	0	0	0	0 NA	NA
Gm43064	0	0	0	0 NA	NA
Gm5546	0	0	0	0 NA	NA
Wnt2b	0	0	0	0 NA	NA
Kcnd3os	0	0	0	0 NA	NA
Kcnd3	0	0	0	0 NA	NA
I830077J02R	0	0	0	0 NA	NA
Chia1	0	0	0	0 NA	NA
Chil3	0	0	0	0 NA	NA
AI504432	0	0	0	0 NA	NA
Kcnc4	0	0	0	0 NA	NA
Gstm6	0	0	0	0 NA	NA
Gm12498	0	0	0	0 NA	NA
Gm12525	0	0	0	0 NA	NA

Mybphl	0	0	0	0 NA	NA
Aknad1	0	0	0	0 NA	NA
Fndc7	0	0	0	0 NA	NA
Gm9889	0	0	0	0 NA	NA
Gpr88	0	0	0	0 NA	NA
Plppr5	0	0	0	0 NA	NA
Gm43569	0	0	0	0 NA	NA
Ndst3	0	0	0	0 NA	NA
Arsj	0	0	0	0 NA	NA
Gm15551	0	0	0	0 NA	NA
6330410L21F	0	0	0	0 NA	NA
4930534D22I	0	0	0	0 NA	NA
Gm29865	0	0	0	0 NA	NA
Gm29811	0	0	0	0 NA	NA
Tacr3	0	0	0	0 NA	NA
Gm16559	0	0	0	0 NA	NA
Stpg2	0	0	0	0 NA	NA
Gbp5	0	0	0	0 NA	NA
Gbp2b	0	0	0	0 NA	NA
4930519L02F	0	0	0	0 NA	NA
Gm33651	0	0	0	0 NA	NA
Gm16233	0	0	0	0 NA	NA
Clca2	0	0	0	0 NA	NA
Lpar3	0	0	0	0 NA	NA
Gm10636	0	0	0	0 NA	NA
Gm30382	0	0	0	0 NA	NA
4930555A03I	0	0	0	0 NA	NA
Ptgfr	0	0	0	0 NA	NA
Al115009	0	0	0	0 NA	NA
5730460C07I	0	0	0	0 NA	NA

Asb17os	0	0	0	0 NA	NA
Msh4	0	0	0	0 NA	NA
1810013D15	0	0	0	0 NA	NA
Gm11802	0	0	0	0 NA	NA
Gm11795	0	0	0	0 NA	NA
Gdf6	0	0	0	0 NA	NA
Gm11840	0	0	0	0 NA	NA
Slc26a7	0	0	0	0 NA	NA
Necab1	0	0	0	0 NA	NA
Slc7a13	0	0	0	0 NA	NA
Atp6v0d2	0	0	0	0 NA	NA
Fut9	0	0	0	0 NA	NA
Gm11915	0	0	0	0 NA	NA
Bach2os	0	0	0	0 NA	NA
Gabbr1	0	0	0	0 NA	NA
Cga	0	0	0	0 NA	NA
Gm12371	0	0	0	0 NA	NA
1700009N14	0	0	0	0 NA	NA
Arid3c	0	0	0	0 NA	NA
Gm10600	0	0	0	0 NA	NA
Gm2564	0	0	0	0 NA	NA
Ccl27b	0	0	0	0 NA	NA
Ccl19	0	0	0	0 NA	NA
1700022I11R	0	0	0	0 NA	NA
Hrct1	0	0	0	0 NA	NA
Acnat2	0	0	0	0 NA	NA
Acnat1	0	0	0	0 NA	NA
Baat	0	0	0	0 NA	NA
4930522O17	0	0	0	0 NA	NA
Gm12511	0	0	0	0 NA	NA

Gm11214	0	0	0	0 NA	NA
Tnfsf15	0	0	0	0 NA	NA
Tnfsf8	0	0	0	0 NA	NA
Astn2	0	0	0	0 NA	NA
Tlr4	0	0	0	0 NA	NA
Saxo1	0	0	0	0 NA	NA
Tek	0	0	0	0 NA	NA
Eqtn	0	0	0	0 NA	NA
Kank4	0	0	0	0 NA	NA
Kank4os	0	0	0	0 NA	NA
Gm12688	0	0	0	0 NA	NA
Foxd3	0	0	0	0 NA	NA
Ube2uos	0	0	0	0 NA	NA
Raver2	0	0	0	0 NA	NA
0610043K17I	0	0	0	0 NA	NA
Gm44037	0	0	0	0 NA	NA
2700068H02I	0	0	0	0 NA	NA
Skint8	0	0	0	0 NA	NA
Tal1	0	0	0	0 NA	NA
Cyp4x1os	0	0	0	0 NA	NA
Mpl	0	0	0	0 NA	NA
Tie1	0	0	0	0 NA	NA
Gm12866	0	0	0	0 NA	NA
Gm12867	0	0	0	0 NA	NA
9530002B09I	0	0	0	0 NA	NA
Oxct2b	0	0	0	0 NA	NA
Bmp8a	0	0	0	0 NA	NA
Epha10	0	0	0	0 NA	NA
2610028E06I	0	0	0	0 NA	NA
Tlr12	0	0	0	0 NA	NA

Fam167b	0	0	0	0 NA	NA
Spocd1	0	0	0	0 NA	NA
Hcrtr1	0	0	0	0 NA	NA
Gm10570	0	0	0	0 NA	NA
Oprd1	0	0	0	0 NA	NA
Smpdl3b	0	0	0	0 NA	NA
Themis2	0	0	0	0 NA	NA
E130218I03R	0	0	0	0 NA	NA
Trim63	0	0	0	0 NA	NA
Slc30a2	0	0	0	0 NA	NA
Il22ra1	0	0	0	0 NA	NA
Cnr2	0	0	0	0 NA	NA
Gm13008	0	0	0	0 NA	NA
Fam43b	0	0	0	0 NA	NA
AB041806	0	0	0	0 NA	NA
Htr6	0	0	0	0 NA	NA
Tas1r2	0	0	0	0 NA	NA
Gm13016	0	0	0	0 NA	NA
Padi6	0	0	0	0 NA	NA
Spata21	0	0	0	0 NA	NA
Gm13056	0	0	0	0 NA	NA
Gm29367	0	0	0	0 NA	NA
Fv1	0	0	0	0 NA	NA
Nppb	0	0	0	0 NA	NA
Nppa	0	0	0	0 NA	NA
Gm13054	0	0	0	0 NA	NA
Ube4bos1	0	0	0	0 NA	NA
Slc45a1	0	0	0	0 NA	NA
Gm13049	0	0	0	0 NA	NA
Tas1r1	0	0	0	0 NA	NA

Gm13134	0	0	0	0 NA	NA
Gm13112	0	0	0	0 NA	NA
1700109H08	0	0	0	0 NA	NA
Gm43825	0	0	0	0 NA	NA
Steap4	0	0	0	0 NA	NA
Abcb1a	0	0	0	0 NA	NA
Grm3	0	0	0	0 NA	NA
Gm8953	0	0	0	0 NA	NA
Gm21149	0	0	0	0 NA	NA
Gm21083	0	0	0	0 NA	NA
A930003O13	0	0	0	0 NA	NA
Lhfpl3	0	0	0	0 NA	NA
Gbx1	0	0	0	0 NA	NA
Asb10	0	0	0	0 NA	NA
Gm10062	0	0	0	0 NA	NA
9530036O11	0	0	0	0 NA	NA
Il6	0	0	0	0 NA	NA
Otof	0	0	0	0 NA	NA
Cib4	0	0	0	0 NA	NA
Tcf23	0	0	0	0 NA	NA
A1839979	0	0	0	0 NA	NA
Poln	0	0	0	0 NA	NA
Hmx1	0	0	0	0 NA	NA
Clnk	0	0	0	0 NA	NA
4930513D17	0	0	0	0 NA	NA
Nkx3-2	0	0	0	0 NA	NA
Gm15866	0	0	0	0 NA	NA
Gm42555	0	0	0	0 NA	NA
Gm42984	0	0	0	0 NA	NA
9630001P10I	0	0	0	0 NA	NA

Slc34a2	0	0	0	0 NA	NA
Gm17182	0	0	0	0 NA	NA
Nwd2	0	0	0	0 NA	NA
Gm26761	0	0	0	0 NA	NA
Tmem156	0	0	0	0 NA	NA
Gm26725	0	0	0	0 NA	NA
Gm43698	0	0	0	0 NA	NA
Gm26756	0	0	0	0 NA	NA
Shisa3	0	0	0	0 NA	NA
Gm15477	0	0	0	0 NA	NA
Gabrb1	0	0	0	0 NA	NA
Lrrc66	0	0	0	0 NA	NA
Spink2	0	0	0	0 NA	NA
Tecrl	0	0	0	0 NA	NA
Gm42794	0	0	0	0 NA	NA
Odam	0	0	0	0 NA	NA
Amtn	0	0	0	0 NA	NA
Adamts3	0	0	0	0 NA	NA
Gm42530	0	0	0	0 NA	NA
Epgn	0	0	0	0 NA	NA
U90926	0	0	0	0 NA	NA
Ppef2	0	0	0	0 NA	NA
Art3	0	0	0	0 NA	NA
Gm42604	0	0	0	0 NA	NA
1700016F12I	0	0	0	0 NA	NA
Gm33370	0	0	0	0 NA	NA
Gm8013	0	0	0	0 NA	NA
A730035117F	0	0	0	0 NA	NA
Prkg2	0	0	0	0 NA	NA
2310034O05	0	0	0	0 NA	NA

4930458D05	0	0	0	0 NA	NA
Gm29707	0	0	0	0 NA	NA
Slc10a6	0	0	0	0 NA	NA
Gm26703	0	0	0	0 NA	NA
Abcg3	0	0	0	0 NA	NA
Gbp10	0	0	0	0 NA	NA
1700028K03	0	0	0	0 NA	NA
Gm42517	0	0	0	0 NA	NA
Gm10419	0	0	0	0 NA	NA
Rnf212	0	0	0	0 NA	NA
P2rx2	0	0	0	0 NA	NA
C130026L21F	0	0	0	0 NA	NA
E130006D01	0	0	0	0 NA	NA
Gm42488	0	0	0	0 NA	NA
1700028D13	0	0	0	0 NA	NA
Gm42865	0	0	0	0 NA	NA
Myo18b	0	0	0	0 NA	NA
Crybb2	0	0	0	0 NA	NA
1700069L16F	0	0	0	0 NA	NA
Myo1h	0	0	0	0 NA	NA
Hnf1aos2	0	0	0	0 NA	NA
Gm13842	0	0	0	0 NA	NA
C330018A13	0	0	0	0 NA	NA
B230112J18F	0	0	0	0 NA	NA
4930562A09	0	0	0	0 NA	NA
Hrk	0	0	0	0 NA	NA
Gm7538	0	0	0	0 NA	NA
Tbx3os1	0	0	0	0 NA	NA
Tbx3os2	0	0	0	0 NA	NA
Tbx5	0	0	0	0 NA	NA

Gm10390	0	0	0	0 NA	NA
Oas1f	0	0	0	0 NA	NA
Gm42878	0	0	0	0 NA	NA
Myl2	0	0	0	0 NA	NA
Morn3	0	0	0	0 NA	NA
Dnah10	0	0	0	0 NA	NA
Tmem132co:	0	0	0	0 NA	NA
Fzd10	0	0	0	0 NA	NA
Gm43604	0	0	0	0 NA	NA
Gm8066	0	0	0	0 NA	NA
Lrch4	0	0	0	0 NA	NA
Gm15498	0	0	0	0 NA	NA
Pilrb1	0	0	0	0 NA	NA
Pilrb2	0	0	0	0 NA	NA
Nxpe5	0	0	0	0 NA	NA
Gal3st4	0	0	0	0 NA	NA
Gm17135	0	0	0	0 NA	NA
Ocm	0	0	0	0 NA	NA
Kpna7	0	0	0	0 NA	NA
Urad	0	0	0	0 NA	NA
Flt3	0	0	0	0 NA	NA
D5Ert605e	0	0	0	0 NA	NA
Gm15409	0	0	0	0 NA	NA
Gm43332	0	0	0	0 NA	NA
Gm29264	0	0	0	0 NA	NA
Gm19719	0	0	0	0 NA	NA
BC028471	0	0	0	0 NA	NA
Wdr95	0	0	0	0 NA	NA
Vmn2r18	0	0	0	0 NA	NA
Gm8579	0	0	0	0 NA	NA

Calcr	0	0	0	0 NA	NA
Gngt1	0	0	0	0 NA	NA
1700019G24	0	0	0	0 NA	NA
Gm20619	0	0	0	0 NA	NA
Gm20618	0	0	0	0 NA	NA
Dlx6os1	0	0	0	0 NA	NA
Dlx6	0	0	0	0 NA	NA
Tfec	0	0	0	0 NA	NA
Gm4876	0	0	0	0 NA	NA
D830026112F	0	0	0	0 NA	NA
Gm15594	0	0	0	0 NA	NA
Ankrd7	0	0	0	0 NA	NA
Opn1sw	0	0	0	0 NA	NA
Gm26627	0	0	0	0 NA	NA
Smkr-ps	0	0	0	0 NA	NA
Gm44296	0	0	0	0 NA	NA
Tsga13	0	0	0	0 NA	NA
Klf14	0	0	0	0 NA	NA
Gm43154	0	0	0	0 NA	NA
Plxna4os1	0	0	0	0 NA	NA
9330158H04	0	0	0	0 NA	NA
Chrm2	0	0	0	0 NA	NA
Dgki	0	0	0	0 NA	NA
Atp6v0a4	0	0	0	0 NA	NA
Klrg2	0	0	0	0 NA	NA
Gm42962	0	0	0	0 NA	NA
Wee2	0	0	0	0 NA	NA
Gm4744	0	0	0	0 NA	NA
1810009J06F	0	0	0	0 NA	NA
Clcn1	0	0	0	0 NA	NA

Fam131b	0	0	0	0 NA	NA
Nobox	0	0	0	0 NA	NA
Gimap7	0	0	0	0 NA	NA
4833403J16F	0	0	0	0 NA	NA
Gpnmb	0	0	0	0 NA	NA
Gm6559	0	0	0	0 NA	NA
Hoxa1	0	0	0	0 NA	NA
Gm29430	0	0	0	0 NA	NA
Hoxa4	0	0	0	0 NA	NA
Hoxa6	0	0	0	0 NA	NA
Cpvl	0	0	0	0 NA	NA
9530036M11	0	0	0	0 NA	NA
Mmrn1	0	0	0	0 NA	NA
Gm16838	0	0	0	0 NA	NA
Fabp1	0	0	0	0 NA	NA
Smyd1	0	0	0	0 NA	NA
Cd8b1	0	0	0	0 NA	NA
Sh2d6	0	0	0	0 NA	NA
Gm15402	0	0	0	0 NA	NA
Gm44166	0	0	0	0 NA	NA
Gm44287	0	0	0	0 NA	NA
Nat8	0	0	0	0 NA	NA
Gm19265	0	0	0	0 NA	NA
D6Ert527e	0	0	0	0 NA	NA
Gata2	0	0	0	0 NA	NA
Gm44264	0	0	0	0 NA	NA
Gm26588	0	0	0	0 NA	NA
Vmn1r53	0	0	0	0 NA	NA
Cfap100	0	0	0	0 NA	NA
Gm44421	0	0	0	0 NA	NA

4930471M09	0	0	0	0 NA	NA
A730049H05	0	0	0	0 NA	NA
Gm15737	0	0	0	0 NA	NA
Gm32592	0	0	0	0 NA	NA
Gm44169	0	0	0	0 NA	NA
Cntn6	0	0	0	0 NA	NA
Gm15631	0	0	0	0 NA	NA
Il5ra	0	0	0	0 NA	NA
Gm20387	0	0	0	0 NA	NA
Grm7	0	0	0	0 NA	NA
5031434C07I	0	0	0	0 NA	NA
Cidec	0	0	0	0 NA	NA
Fancd2os	0	0	0	0 NA	NA
Gm44206	0	0	0	0 NA	NA
Alox5	0	0	0	0 NA	NA
D030044L04I	0	0	0	0 NA	NA
Gm4640	0	0	0	0 NA	NA
Gm9946	0	0	0	0 NA	NA
Ninj2	0	0	0	0 NA	NA
A2m	0	0	0	0 NA	NA
Klrg1	0	0	0	0 NA	NA
1700063H04I	0	0	0	0 NA	NA
Aicda	0	0	0	0 NA	NA
Dppa3	0	0	0	0 NA	NA
Nanog	0	0	0	0 NA	NA
Clec4a3	0	0	0	0 NA	NA
Clec4b1	0	0	0	0 NA	NA
Cd163	0	0	0	0 NA	NA
1700013D24I	0	0	0	0 NA	NA
C1s2	0	0	0	0 NA	NA

Cd4	0	0	0	0 NA	NA
Tuba3a	0	0	0	0 NA	NA
Kcna1	0	0	0	0 NA	NA
Gm26673	0	0	0	0 NA	NA
Platr31	0	0	0	0 NA	NA
Gm43126	0	0	0	0 NA	NA
Cracr2a	0	0	0	0 NA	NA
Gm26770	0	0	0	0 NA	NA
Clec2h	0	0	0	0 NA	NA
Klrb1	0	0	0	0 NA	NA
Klrb1b	0	0	0	0 NA	NA
Gm44066	0	0	0	0 NA	NA
Gm44067	0	0	0	0 NA	NA
Clec2i	0	0	0	0 NA	NA
Gm15987	0	0	0	0 NA	NA
Klrb1f	0	0	0	0 NA	NA
Gm44000	0	0	0	0 NA	NA
Clec1a	0	0	0	0 NA	NA
Olr1	0	0	0	0 NA	NA
Klre1	0	0	0	0 NA	NA
Klrk1	0	0	0	0 NA	NA
Klra17	0	0	0	0 NA	NA
Klra8	0	0	0	0 NA	NA
Klra7	0	0	0	0 NA	NA
Klra2	0	0	0	0 NA	NA
5430401F13I	0	0	0	0 NA	NA
Gm6619	0	0	0	0 NA	NA
Gsg1	0	0	0	0 NA	NA
Smco3	0	0	0	0 NA	NA
Art4	0	0	0	0 NA	NA

Rergl	0	0	0	0 NA	NA
Gm30524	0	0	0	0 NA	NA
Spx	0	0	0	0 NA	NA
Gm15687	0	0	0	0 NA	NA
2010013B24	0	0	0	0 NA	NA
Gm15704	0	0	0	0 NA	NA
Far2os2	0	0	0	0 NA	NA
Gm43913	0	0	0	0 NA	NA
Prkcg	0	0	0	0 NA	NA
Cacng7	0	0	0	0 NA	NA
Gm44257	0	0	0	0 NA	NA
Cacng8	0	0	0	0 NA	NA
Oscar	0	0	0	0 NA	NA
Gm15929	0	0	0	0 NA	NA
Pirb	0	0	0	0 NA	NA
Lilra6	0	0	0	0 NA	NA
Lilra5	0	0	0	0 NA	NA
Ncr1	0	0	0	0 NA	NA
Gp6	0	0	0	0 NA	NA
Tnni3	0	0	0	0 NA	NA
Tmem150b	0	0	0	0 NA	NA
Slc27a5	0	0	0	0 NA	NA
Sult2a1	0	0	0	0 NA	NA
Sult2a8	0	0	0	0 NA	NA
Vmn1r90	0	0	0	0 NA	NA
Crxos	0	0	0	0 NA	NA
C5ar2	0	0	0	0 NA	NA
Gng8	0	0	0	0 NA	NA
Ptgir	0	0	0	0 NA	NA
Ceacam3	0	0	0	0 NA	NA

Ceacam12	0	0	0	0 NA	NA
Exoc3l2	0	0	0	0 NA	NA
Gm26600	0	0	0	0 NA	NA
Nlrp5	0	0	0	0 NA	NA
Lypd5	0	0	0	0 NA	NA
Tex101	0	0	0	0 NA	NA
Dmrtc2	0	0	0	0 NA	NA
Erich4	0	0	0	0 NA	NA
Cyp2s1	0	0	0	0 NA	NA
Gm26707	0	0	0	0 NA	NA
Cyp2b10	0	0	0	0 NA	NA
Cyp2b23	0	0	0	0 NA	NA
Cyp2g1	0	0	0	0 NA	NA
Cyp2a5	0	0	0	0 NA	NA
Cyp2f2	0	0	0	0 NA	NA
Gm21983	0	0	0	0 NA	NA
Prx	0	0	0	0 NA	NA
Catsperg2	0	0	0	0 NA	NA
Nphs1os	0	0	0	0 NA	NA
Etv2	0	0	0	0 NA	NA
Gm17077	0	0	0	0 NA	NA
Gm6096	0	0	0	0 NA	NA
Slc7a10	0	0	0	0 NA	NA
Tdrd12	0	0	0	0 NA	NA
Vstm2b	0	0	0	0 NA	NA
Siglecf	0	0	0	0 NA	NA
Zfp819	0	0	0	0 NA	NA
Klk7	0	0	0	0 NA	NA
Klk5	0	0	0	0 NA	NA
Klk4	0	0	0	0 NA	NA

Klk1b22	0	0	0	0 NA	NA
Mybpc2	0	0	0	0 NA	NA
Tsks	0	0	0	0 NA	NA
Lhb	0	0	0	0 NA	NA
Hsd17b14	0	0	0	0 NA	NA
Fut2	0	0	0	0 NA	NA
Sec1	0	0	0	0 NA	NA
Abcc6	0	0	0	0 NA	NA
Myod1	0	0	0	0 NA	NA
Saa3	0	0	0	0 NA	NA
Saa1	0	0	0	0 NA	NA
Saa2	0	0	0	0 NA	NA
Mrgpra2a	0	0	0	0 NA	NA
Mrgpra2b	0	0	0	0 NA	NA
Csrp3	0	0	0	0 NA	NA
Ano5	0	0	0	0 NA	NA
Oca2	0	0	0	0 NA	NA
Gm9962	0	0	0	0 NA	NA
Gabra5	0	0	0	0 NA	NA
Trpm1	0	0	0	0 NA	NA
Gm20457	0	0	0	0 NA	NA
Apba2	0	0	0	0 NA	NA
Cers3	0	0	0	0 NA	NA
Gm16157	0	0	0	0 NA	NA
Gm28258	0	0	0	0 NA	NA
Gm9885	0	0	0	0 NA	NA
Gm26633	0	0	0	0 NA	NA
Rlbp1	0	0	0	0 NA	NA
Gm15880	0	0	0	0 NA	NA
Slc28a1	0	0	0	0 NA	NA

Adamtsl3	0	0	0	0 NA	NA
Cfap161	0	0	0	0 NA	NA
Grm5	0	0	0	0 NA	NA
Ccdc81	0	0	0	0 NA	NA
Sytl2	0	0	0	0 NA	NA
Gm9934	0	0	0	0 NA	NA
Lrrc32	0	0	0	0 NA	NA
Wnt11	0	0	0	0 NA	NA
Tpbgl	0	0	0	0 NA	NA
Gm10605	0	0	0	0 NA	NA
Chrdl2	0	0	0	0 NA	NA
Kcne3	0	0	0	0 NA	NA
P2ry2	0	0	0	0 NA	NA
Chrna10	0	0	0	0 NA	NA
Hbb-bh2	0	0	0	0 NA	NA
Trim5	0	0	0	0 NA	NA
Trim30c	0	0	0	0 NA	NA
Trim30d	0	0	0	0 NA	NA
Cckbr	0	0	0	0 NA	NA
Gvin1	0	0	0	0 NA	NA
Nlrp10	0	0	0	0 NA	NA
Tub	0	0	0	0 NA	NA
Trim66	0	0	0	0 NA	NA
Ascl3	0	0	0	0 NA	NA
1600010M07	0	0	0	0 NA	NA
Hs3st2	0	0	0	0 NA	NA
Slc5a11	0	0	0	0 NA	NA
Gm27040	0	0	0	0 NA	NA
Hs3st4	0	0	0	0 NA	NA
3100003L05F	0	0	0	0 NA	NA

4930451I11R	0	0	0	0 NA	NA
Prrt2	0	0	0	0 NA	NA
Spn	0	0	0	0 NA	NA
1700120K04I	0	0	0	0 NA	NA
Gm15533	0	0	0	0 NA	NA
Itgax	0	0	0	0 NA	NA
Itgad	0	0	0	0 NA	NA
Slc5a2	0	0	0	0 NA	NA
Plpp4	0	0	0	0 NA	NA
Hmx3	0	0	0	0 NA	NA
Gm15582	0	0	0	0 NA	NA
Gm15718	0	0	0	0 NA	NA
D7Ert443e	0	0	0	0 NA	NA
4930544L04F	0	0	0	0 NA	NA
5830432E09I	0	0	0	0 NA	NA
Ebf3	0	0	0	0 NA	NA
Utf1	0	0	0	0 NA	NA
Sprn	0	0	0	0 NA	NA
Nlrp6	0	0	0	0 NA	NA
Ifitm10	0	0	0	0 NA	NA
Syt8	0	0	0	0 NA	NA
Tnnt3	0	0	0	0 NA	NA
Tspan32os	0	0	0	0 NA	NA
4933417O13	0	0	0	0 NA	NA
Fgf15	0	0	0	0 NA	NA
H60c	0	0	0	0 NA	NA
Vip	0	0	0	0 NA	NA
Gm16234	0	0	0	0 NA	NA
Nmbr	0	0	0	0 NA	NA
Gm20655	0	0	0	0 NA	NA

Txlnb	0	0	0	0 NA	NA
Gm26577	0	0	0	0 NA	NA
1700021A07	0	0	0	0 NA	NA
Gm26740	0	0	0	0 NA	NA
Eya4	0	0	0	0 NA	NA
Gm9996	0	0	0	0 NA	NA
Nkain2	0	0	0	0 NA	NA
Trdn	0	0	0	0 NA	NA
Clvs2	0	0	0	0 NA	NA
Cdk19os	0	0	0	0 NA	NA
F930017D23	0	0	0	0 NA	NA
Gm15934	0	0	0	0 NA	NA
Lin28b	0	0	0	0 NA	NA
Edar	0	0	0	0 NA	NA
Oit3	0	0	0	0 NA	NA
Gm10322	0	0	0	0 NA	NA
Gm17059	0	0	0	0 NA	NA
Gm20625	0	0	0	0 NA	NA
Hk1os	0	0	0	0 NA	NA
1700023F02I	0	0	0	0 NA	NA
Gm26576	0	0	0	0 NA	NA
Gm16222	0	0	0	0 NA	NA
Dnmt3l	0	0	0	0 NA	NA
Gm9978	0	0	0	0 NA	NA
Ccdc105	0	0	0	0 NA	NA
Grin3b	0	0	0	0 NA	NA
Amh	0	0	0	0 NA	NA
Atcay	0	0	0	0 NA	NA
4930463O16	0	0	0	0 NA	NA
Bpifc	0	0	0	0 NA	NA

Stab2	0	0	0	0 NA	NA
Igf1os	0	0	0	0 NA	NA
Slc5a8	0	0	0	0 NA	NA
Ano4	0	0	0	0 NA	NA
Slc17a8	0	0	0	0 NA	NA
Epyc	0	0	0	0 NA	NA
Ccer1	0	0	0	0 NA	NA
Csl	0	0	0	0 NA	NA
Mgat4c	0	0	0	0 NA	NA
Alx1	0	0	0	0 NA	NA
Otogl	0	0	0	0 NA	NA
Trhde	0	0	0	0 NA	NA
4930473D10	0	0	0	0 NA	NA
Myrf1	0	0	0	0 NA	NA
Lyz1	0	0	0	0 NA	NA
Ifng	0	0	0	0 NA	NA
Msrb3	0	0	0	0 NA	NA
Avpr1a	0	0	0	0 NA	NA
Agap2	0	0	0	0 NA	NA
Nxph4	0	0	0	0 NA	NA
Gm16229	0	0	0	0 NA	NA
Rdh1	0	0	0	0 NA	NA
Mip	0	0	0	0 NA	NA
Gm17201	0	0	0	0 NA	NA
Mettl7b	0	0	0	0 NA	NA
Tespa1	0	0	0	0 NA	NA
Vmn2r87	0	0	0	0 NA	NA
Pcp2	0	0	0	0 NA	NA
Fcer2a	0	0	0	0 NA	NA
Clec4g	0	0	0	0 NA	NA

Cd209f	0	0	0	0 NA	NA
4932443L11F	0	0	0	0 NA	NA
Slc10a2	0	0	0	0 NA	NA
Gm7676	0	0	0	0 NA	NA
Gm15056	0	0	0	0 NA	NA
Defb50	0	0	0	0 NA	NA
Defb2	0	0	0	0 NA	NA
Thsd1	0	0	0	0 NA	NA
Gm26714	0	0	0	0 NA	NA
Adam3	0	0	0	0 NA	NA
2310008N11	0	0	0	0 NA	NA
Gm26795	0	0	0	0 NA	NA
Gm29243	0	0	0	0 NA	NA
Zfp42	0	0	0	0 NA	NA
Gm2366	0	0	0	0 NA	NA
Enpp6	0	0	0	0 NA	NA
Cldn22	0	0	0	0 NA	NA
Galnt16	0	0	0	0 NA	NA
BC030500	0	0	0	0 NA	NA
4930512H18	0	0	0	0 NA	NA
Tll1	0	0	0	0 NA	NA
Npy5r	0	0	0	0 NA	NA
Gm43263	0	0	0	0 NA	NA
Isx	0	0	0	0 NA	NA
Nr3c2	0	0	0	0 NA	NA
Ttc29	0	0	0	0 NA	NA
Pou4f2	0	0	0	0 NA	NA
Hhip	0	0	0	0 NA	NA
Frem3	0	0	0	0 NA	NA
Gm27048	0	0	0	0 NA	NA

Il15	0	0	0	0 NA	NA
Podnl1	0	0	0	0 NA	NA
Gm26887	0	0	0	0 NA	NA
Zfp791	0	0	0	0 NA	NA
Nod2	0	0	0	0 NA	NA
Gm6625	0	0	0	0 NA	NA
Irx3os	0	0	0	0 NA	NA
Ces1b	0	0	0	0 NA	NA
Ces1e	0	0	0	0 NA	NA
Ces1f	0	0	0	0 NA	NA
Ces1h	0	0	0	0 NA	NA
Adgrg5	0	0	0	0 NA	NA
Cmtm2b	0	0	0	0 NA	NA
Ces3a	0	0	0	0 NA	NA
Plekhg4	0	0	0	0 NA	NA
Dpep3	0	0	0	0 NA	NA
D030068K23	0	0	0	0 NA	NA
Pmfbp1	0	0	0	0 NA	NA
Gm17344	0	0	0	0 NA	NA
Chst4	0	0	0	0 NA	NA
Gm15895	0	0	0	0 NA	NA
Clec18a	0	0	0	0 NA	NA
Gm16118	0	0	0	0 NA	NA
Pkd1l2	0	0	0	0 NA	NA
Adad2	0	0	0	0 NA	NA
Foxc2	0	0	0	0 NA	NA
Gm26815	0	0	0	0 NA	NA
Gm26747	0	0	0	0 NA	NA
Cpne7	0	0	0	0 NA	NA
1810008B01	0	0	0	0 NA	NA

Gm15775	0	0	0	0 NA	NA
Gm2888	0	0	0	0 NA	NA
Gm5796	0	0	0	0 NA	NA
Gm2974	0	0	0	0 NA	NA
2610042L04F	0	0	0	0 NA	NA
Gm3269	0	0	0	0 NA	NA
Gm3526	0	0	0	0 NA	NA
Gm3248	0	0	0	0 NA	NA
Gm3453	0	0	0	0 NA	NA
Gm3636	0	0	0	0 NA	NA
Gm10406	0	0	0	0 NA	NA
Gm3696	0	0	0	0 NA	NA
Fhitos	0	0	0	0 NA	NA
Gm2237	0	0	0	0 NA	NA
Synpo2l	0	0	0	0 NA	NA
Plau	0	0	0	0 NA	NA
Gm10248	0	0	0	0 NA	NA
Zcchc24	0	0	0	0 NA	NA
4933413J09F	0	0	0	0 NA	NA
Hesx1	0	0	0	0 NA	NA
Gm2670	0	0	0	0 NA	NA
Itih4	0	0	0	0 NA	NA
Itih3	0	0	0	0 NA	NA
Chat	0	0	0	0 NA	NA
Gm15512	0	0	0	0 NA	NA
Zfp488	0	0	0	0 NA	NA
Opn4	0	0	0	0 NA	NA
Nrg3	0	0	0	0 NA	NA
Dydc1	0	0	0	0 NA	NA
Sftpa1	0	0	0	0 NA	NA

Mbl1	0	0	0	0 NA	NA
Ear1	0	0	0	0 NA	NA
Gm15601	0	0	0	0 NA	NA
Gm15217	0	0	0	0 NA	NA
Gm15221	0	0	0	0 NA	NA
Gm10371	0	0	0	0 NA	NA
Ccnb1ip1	0	0	0	0 NA	NA
Rnase12	0	0	0	0 NA	NA
Rnase2a	0	0	0	0 NA	NA
Gm16617	0	0	0	0 NA	NA
Tmem253	0	0	0	0 NA	NA
Gm43434	0	0	0	0 NA	NA
Psmb11	0	0	0	0 NA	NA
4930579G18	0	0	0	0 NA	NA
Cebpe	0	0	0	0 NA	NA
Cmtm5	0	0	0	0 NA	NA
Zfhx2os	0	0	0	0 NA	NA
Ltb4r2	0	0	0	0 NA	NA
Ltb4r1	0	0	0	0 NA	NA
Cma2	0	0	0	0 NA	NA
Mcpt1	0	0	0	0 NA	NA
Mcpt2	0	0	0	0 NA	NA
Mcpt4	0	0	0	0 NA	NA
Gzmc	0	0	0	0 NA	NA
Gzmb	0	0	0	0 NA	NA
Gja3	0	0	0	0 NA	NA
Gjb6	0	0	0	0 NA	NA
Phf11a	0	0	0	0 NA	NA
Arl11	0	0	0	0 NA	NA
Gm26916	0	0	0	0 NA	NA

Blk	0	0	0	0 NA	NA
Mir124a-1hg	0	0	0	0 NA	NA
Adam2	0	0	0	0 NA	NA
Adamdec1	0	0	0	0 NA	NA
Piwil2	0	0	0	0 NA	NA
Fgf17	0	0	0	0 NA	NA
Gfra2	0	0	0	0 NA	NA
Lrrc63	0	0	0	0 NA	NA
Siah3	0	0	0	0 NA	NA
Slc25a30	0	0	0	0 NA	NA
Tnfsf11	0	0	0	0 NA	NA
Olfm4	0	0	0	0 NA	NA
Pcdh20	0	0	0	0 NA	NA
1700128A07	0	0	0	0 NA	NA
Slitrk5	0	0	0	0 NA	NA
Gm27198	0	0	0	0 NA	NA
1700006F04	0	0	0	0 NA	NA
Zic5	0	0	0	0 NA	NA
Gria4	0	0	0	0 NA	NA
Casp4	0	0	0	0 NA	NA
Mmp13	0	0	0	0 NA	NA
Mmp8	0	0	0	0 NA	NA
Mmp20	0	0	0	0 NA	NA
Pgr	0	0	0	0 NA	NA
Gm16485	0	0	0	0 NA	NA
Gm16833	0	0	0	0 NA	NA
Gpr83	0	0	0	0 NA	NA
Vstm5	0	0	0	0 NA	NA
Fat3	0	0	0	0 NA	NA
Col5a3	0	0	0	0 NA	NA

Bmper	0	0	0	0 NA	NA
Dpy19l2	0	0	0	0 NA	NA
Tbx20	0	0	0	0 NA	NA
Gm15520	0	0	0	0 NA	NA
Slc37a2	0	0	0	0 NA	NA
Tecta	0	0	0	0 NA	NA
Thy1	0	0	0	0 NA	NA
Cxcr5	0	0	0	0 NA	NA
Apoa5	0	0	0	0 NA	NA
Htr3b	0	0	0	0 NA	NA
Isl2	0	0	0	0 NA	NA
Gm17226	0	0	0	0 NA	NA
Peak1os	0	0	0	0 NA	NA
Odf3l1	0	0	0	0 NA	NA
Sema7a	0	0	0	0 NA	NA
Tbc1d21	0	0	0	0 NA	NA
4930461G14	0	0	0	0 NA	NA
Tmem202	0	0	0	0 NA	NA
Nr2e3	0	0	0	0 NA	NA
Iqch	0	0	0	0 NA	NA
Lctl	0	0	0	0 NA	NA
Kbtbd13	0	0	0	0 NA	NA
Gm28379	0	0	0	0 NA	NA
Gm27253	0	0	0	0 NA	NA
Gm27241	0	0	0	0 NA	NA
Gm27204	0	0	0	0 NA	NA
Bmp5	0	0	0	0 NA	NA
Gfral	0	0	0	0 NA	NA
Hcrtr2	0	0	0	0 NA	NA
Gm19541	0	0	0	0 NA	NA

Cd109	0	0	0	0 NA	NA
D430036J16F	0	0	0	0 NA	NA
Ripply2	0	0	0	0 NA	NA
Bcl2a1d	0	0	0	0 NA	NA
Gm26611	0	0	0	0 NA	NA
Trim43b	0	0	0	0 NA	NA
Prr23a3	0	0	0	0 NA	NA
Cpne4	0	0	0	0 NA	NA
Nek11	0	0	0	0 NA	NA
Col6a4	0	0	0	0 NA	NA
Gm29123	0	0	0	0 NA	NA
Gm28959	0	0	0	0 NA	NA
Iqcf1	0	0	0	0 NA	NA
Gnat1	0	0	0	0 NA	NA
Mst1r	0	0	0	0 NA	NA
Gm20661	0	0	0	0 NA	NA
4921523L03F	0	0	0	0 NA	NA
Tmem89	0	0	0	0 NA	NA
Fbxw22	0	0	0	0 NA	NA
Fbxw16	0	0	0	0 NA	NA
Fbxw26	0	0	0	0 NA	NA
Spink8	0	0	0	0 NA	NA
Prss45	0	0	0	0 NA	NA
Prss46	0	0	0	0 NA	NA
2900079G21	0	0	0	0 NA	NA
Susd5	0	0	0	0 NA	NA
Gad1	0	0	0	0 NA	NA
Slc22a13	0	0	0	0 NA	NA
Scn5a	0	0	0	0 NA	NA
Cyp8b1	0	0	0	0 NA	NA

Topaz1	0	0	0	0 NA	NA
Ccr3	0	0	0	0 NA	NA
Gm12735	0	0	0	0 NA	NA
Lif	0	0	0	0 NA	NA
Ankrd36	0	0	0	0 NA	NA
Gm11973	0	0	0	0 NA	NA
Gm11983	0	0	0	0 NA	NA
Pkd1l1	0	0	0	0 NA	NA
Gm11998	0	0	0	0 NA	NA
Gm12002	0	0	0	0 NA	NA
Egfros	0	0	0	0 NA	NA
4933406G16	0	0	0	0 NA	NA
Gm12031	0	0	0	0 NA	NA
Gm12056	0	0	0	0 NA	NA
4933430M04	0	0	0	0 NA	NA
2810471M01	0	0	0	0 NA	NA
Gm12088	0	0	0	0 NA	NA
Gm12108	0	0	0	0 NA	NA
Tlx3	0	0	0	0 NA	NA
D130052B06	0	0	0	0 NA	NA
Fbll1	0	0	0	0 NA	NA
Atp10b	0	0	0	0 NA	NA
Gm12146	0	0	0	0 NA	NA
Gm12144	0	0	0	0 NA	NA
Adra1b	0	0	0	0 NA	NA
Havcr2	0	0	0	0 NA	NA
Dppa1	0	0	0	0 NA	NA
Timd2	0	0	0	0 NA	NA
Havcr1	0	0	0	0 NA	NA
Gm5431	0	0	0	0 NA	NA

9930111J21F	0	0	0	0 NA	NA
9930111J21F	0	0	0	0 NA	NA
Ifi47	0	0	0	0 NA	NA
Btnl9	0	0	0	0 NA	NA
Grm6	0	0	0	0 NA	NA
9230009I02R	0	0	0	0 NA	NA
A630014C17I	0	0	0	0 NA	NA
Il4	0	0	0	0 NA	NA
Gm17334	0	0	0	0 NA	NA
Slc36a3os	0	0	0	0 NA	NA
Gira1	0	0	0	0 NA	NA
Hand1	0	0	0	0 NA	NA
4930438A08I	0	0	0	0 NA	NA
Trim58	0	0	0	0 NA	NA
Trim17	0	0	0	0 NA	NA
Cdrt4	0	0	0	0 NA	NA
Tekt3	0	0	0	0 NA	NA
Gm12290	0	0	0	0 NA	NA
Hs3st3a1	0	0	0	0 NA	NA
Gm12292	0	0	0	0 NA	NA
Myocd	0	0	0	0 NA	NA
Myh3	0	0	0	0 NA	NA
Myh2	0	0	0	0 NA	NA
Myh4	0	0	0	0 NA	NA
Glp2r	0	0	0	0 NA	NA
Pik3r6	0	0	0	0 NA	NA
Ccdc42os	0	0	0	0 NA	NA
Alox8	0	0	0	0 NA	NA
Gucy2e	0	0	0	0 NA	NA
Tnfsfm13	0	0	0	0 NA	NA

Slc35g3	0	0	0	0 NA	NA
Spem1	0	0	0	0 NA	NA
Asgr1	0	0	0	0 NA	NA
Mgl2	0	0	0	0 NA	NA
Alox15	0	0	0	0 NA	NA
Vmo1	0	0	0	0 NA	NA
Chrne	0	0	0	0 NA	NA
Gp1ba	0	0	0	0 NA	NA
Gm12319	0	0	0	0 NA	NA
Nlrp1a	0	0	0	0 NA	NA
Slc13a5	0	0	0	0 NA	NA
P2rx5	0	0	0	0 NA	NA
Scarf1	0	0	0	0 NA	NA
Gm16075	0	0	0	0 NA	NA
Bhlha9	0	0	0	0 NA	NA
Gm10277	0	0	0	0 NA	NA
Slc13a2	0	0	0	0 NA	NA
Sebox	0	0	0	0 NA	NA
Nos2	0	0	0	0 NA	NA
Rab11fip4os	0	0	0	0 NA	NA
Spaca3	0	0	0	0 NA	NA
Ccl1	0	0	0	0 NA	NA
Unc45b	0	0	0	0 NA	NA
Slfn5	0	0	0	0 NA	NA
Slfn8	0	0	0	0 NA	NA
Slfn3	0	0	0	0 NA	NA
1700020L24F	0	0	0	0 NA	NA
Mmp28	0	0	0	0 NA	NA
Bcas3os1	0	0	0	0 NA	NA
Gm11444	0	0	0	0 NA	NA

Tbx4	0	0	0	0 NA	NA
Lpo	0	0	0	0 NA	NA
Ccdc182	0	0	0	0 NA	NA
Gm11496	0	0	0	0 NA	NA
4930405D11	0	0	0	0 NA	NA
Cdc34b	0	0	0	0 NA	NA
Dlx3	0	0	0	0 NA	NA
Dlx4	0	0	0	0 NA	NA
Dlx4os	0	0	0	0 NA	NA
Gm9796	0	0	0	0 NA	NA
Zfp652os	0	0	0	0 NA	NA
B4galnt2	0	0	0	0 NA	NA
Hoxb9	0	0	0	0 NA	NA
Hoxb6	0	0	0	0 NA	NA
Gm11525	0	0	0	0 NA	NA
Gm11592	0	0	0	0 NA	NA
1700001P01f	0	0	0	0 NA	NA
Stac2	0	0	0	0 NA	NA
Pnmt	0	0	0	0 NA	NA
Krt24	0	0	0	0 NA	NA
Krt28	0	0	0	0 NA	NA
Krt36	0	0	0	0 NA	NA
Krt9	0	0	0	0 NA	NA
Hspb9	0	0	0	0 NA	NA
Gm11615	0	0	0	0 NA	NA
Aoc3	0	0	0	0 NA	NA
G6pc	0	0	0	0 NA	NA
Sost	0	0	0	0 NA	NA
Cd300lg	0	0	0	0 NA	NA
Nags	0	0	0	0 NA	NA

Gm11636	0	0	0	0 NA	NA
Meioc	0	0	0	0 NA	NA
Fam187a	0	0	0	0 NA	NA
Gfap	0	0	0	0 NA	NA
Arhgap27os3	0	0	0	0 NA	NA
Arhgap27os1	0	0	0	0 NA	NA
Efcab3	0	0	0	0 NA	NA
Ace	0	0	0	0 NA	NA
Tcam1	0	0	0	0 NA	NA
Apoh	0	0	0	0 NA	NA
E030025P04I	0	0	0	0 NA	NA
Gm11697	0	0	0	0 NA	NA
Abca6	0	0	0	0 NA	NA
4732490B19I	0	0	0	0 NA	NA
Cpsf4l	0	0	0	0 NA	NA
Cd300c	0	0	0	0 NA	NA
Ict1os	0	0	0	0 NA	NA
Qrich2	0	0	0	0 NA	NA
Gm11730	0	0	0	0 NA	NA
6030468B19I	0	0	0	0 NA	NA
Gm11725	0	0	0	0 NA	NA
Dnah17	0	0	0	0 NA	NA
Gm11738	0	0	0	0 NA	NA
Gm11766	0	0	0	0 NA	NA
Gm11770	0	0	0	0 NA	NA
Gm17178	0	0	0	0 NA	NA
Cbr2	0	0	0	0 NA	NA
Gm28192	0	0	0	0 NA	NA
Sectm1b	0	0	0	0 NA	NA
Sectm1a	0	0	0	0 NA	NA

Tex19.1	0	0	0	0 NA	NA
Akr1c6	0	0	0	0 NA	NA
Gm26645	0	0	0	0 NA	NA
Sugct	0	0	0	0 NA	NA
Sfrp4	0	0	0	0 NA	NA
Gpr141	0	0	0	0 NA	NA
Aoah	0	0	0	0 NA	NA
Gpx6	0	0	0	0 NA	NA
Btn2a2	0	0	0	0 NA	NA
Slc17a2	0	0	0	0 NA	NA
Cmah	0	0	0	0 NA	NA
4932702P03I	0	0	0	0 NA	NA
Prl3b1	0	0	0	0 NA	NA
Gm5447	0	0	0	0 NA	NA
Mylk4	0	0	0	0 NA	NA
Serpib9b	0	0	0	0 NA	NA
Serpib1b	0	0	0	0 NA	NA
Serpib6d	0	0	0	0 NA	NA
Fam50b	0	0	0	0 NA	NA
Ppp1r3g	0	0	0	0 NA	NA
Nrn1	0	0	0	0 NA	NA
Ly86	0	0	0	0 NA	NA
Bmp6	0	0	0	0 NA	NA
Gm26688	0	0	0	0 NA	NA
Gm5083	0	0	0	0 NA	NA
Gm9817	0	0	0	0 NA	NA
Phf2os1	0	0	0	0 NA	NA
Ecm2	0	0	0	0 NA	NA
Msx2	0	0	0	0 NA	NA
Hk3	0	0	0	0 NA	NA

Pitx1	0	0	0	0 NA	NA
Cxcl14	0	0	0	0 NA	NA
Slc25a48	0	0	0	0 NA	NA
1700014D04	0	0	0	0 NA	NA
4930486L24F	0	0	0	0 NA	NA
Gm16133	0	0	0	0 NA	NA
Rslcan18	0	0	0	0 NA	NA
8030423J24F	0	0	0	0 NA	NA
Tert	0	0	0	0 NA	NA
Fam81b	0	0	0	0 NA	NA
Gm28526	0	0	0	0 NA	NA
Thbs4	0	0	0	0 NA	NA
Crhbp	0	0	0	0 NA	NA
F2rl2	0	0	0	0 NA	NA
Ankdd1b	0	0	0	0 NA	NA
Lncenc1	0	0	0	0 NA	NA
5330416C01I	0	0	0	0 NA	NA
Zfp366	0	0	0	0 NA	NA
Naip6	0	0	0	0 NA	NA
1700099I09R	0	0	0	0 NA	NA
2610204G07	0	0	0	0 NA	NA
Gapt	0	0	0	0 NA	NA
Il31ra	0	0	0	0 NA	NA
Ddx4	0	0	0	0 NA	NA
Gm10735	0	0	0	0 NA	NA
Esm1	0	0	0	0 NA	NA
Hspb3	0	0	0	0 NA	NA
Fgf10	0	0	0	0 NA	NA
BC147527	0	0	0	0 NA	NA
Fam228a	0	0	0	0 NA	NA

Apob	0	0	0	0 NA	NA
Kcns3	0	0	0	0 NA	NA
Slc26a4	0	0	0	0 NA	NA
Cdhr3	0	0	0	0 NA	NA
Meox2	0	0	0	0 NA	NA
Insm2	0	0	0	0 NA	NA
Foxa1	0	0	0	0 NA	NA
Lrfn5	0	0	0	0 NA	NA
Gm9887	0	0	0	0 NA	NA
Tomm20l	0	0	0	0 NA	NA
Gpr135	0	0	0	0 NA	NA
Kcnh5	0	0	0	0 NA	NA
Esr2	0	0	0	0 NA	NA
Rad51b	0	0	0	0 NA	NA
Gm26777	0	0	0	0 NA	NA
Galnt16	0	0	0	0 NA	NA
Plekhd1os	0	0	0	0 NA	NA
Plekhd1	0	0	0	0 NA	NA
Ccdc177	0	0	0	0 NA	NA
Gm28370	0	0	0	0 NA	NA
Gm5435	0	0	0	0 NA	NA
Rgs6	0	0	0	0 NA	NA
Papln	0	0	0	0 NA	NA
Gm26571	0	0	0	0 NA	NA
Prox2os	0	0	0	0 NA	NA
Jdp2	0	0	0	0 NA	NA
Gm26531	0	0	0	0 NA	NA
Gm805	0	0	0	0 NA	NA
Lrrc74a	0	0	0	0 NA	NA
Dio2	0	0	0	0 NA	NA

Tshr	0	0	0	0 NA	NA
Kcnk10	0	0	0	0 NA	NA
Gm26839	0	0	0	0 NA	NA
Gm16339	0	0	0	0 NA	NA
Gm20069	0	0	0	0 NA	NA
Fam181a	0	0	0	0 NA	NA
9330161L09F	0	0	0	0 NA	NA
B430119L08I	0	0	0	0 NA	NA
Serpina1e	0	0	0	0 NA	NA
Serpina11	0	0	0	0 NA	NA
Serpina3i	0	0	0	0 NA	NA
Gsc	0	0	0	0 NA	NA
Bdkrb1	0	0	0	0 NA	NA
Gm16087	0	0	0	0 NA	NA
Ccdc85c	0	0	0	0 NA	NA
Hhipl1	0	0	0	0 NA	NA
A730018C14I	0	0	0	0 NA	NA
Tex22	0	0	0	0 NA	NA
Tmem196	0	0	0	0 NA	NA
Osmr	0	0	0	0 NA	NA
4930556M19I	0	0	0	0 NA	NA
C1qtnf3	0	0	0	0 NA	NA
Slc45a2	0	0	0	0 NA	NA
1810049J17F	0	0	0	0 NA	NA
Cdh9	0	0	0	0 NA	NA
Cdh10	0	0	0	0 NA	NA
Acot10	0	0	0	0 NA	NA
Cdh12	0	0	0	0 NA	NA
Cdh18	0	0	0	0 NA	NA
Gm5468	0	0	0	0 NA	NA

Fbxl7	0	0	0	0 NA	NA
Dnah5	0	0	0	0 NA	NA
Gm10384	0	0	0	0 NA	NA
Gm28221	0	0	0	0 NA	NA
Odf1	0	0	0	0 NA	NA
Baalc	0	0	0	0 NA	NA
Abra	0	0	0	0 NA	NA
Angpt1	0	0	0	0 NA	NA
Rspo2	0	0	0	0 NA	NA
Tmem74	0	0	0	0 NA	NA
Pkhd1l1	0	0	0	0 NA	NA
Kcnv1	0	0	0	0 NA	NA
Colec10	0	0	0	0 NA	NA
Has2	0	0	0	0 NA	NA
Fam83a	0	0	0	0 NA	NA
Gsdmc4	0	0	0	0 NA	NA
Adcy8	0	0	0	0 NA	NA
Oc90	0	0	0	0 NA	NA
Tg	0	0	0	0 NA	NA
Gm17140	0	0	0	0 NA	NA
Gm17035	0	0	0	0 NA	NA
Mroh5	0	0	0	0 NA	NA
Gm28068	0	0	0	0 NA	NA
Ly6c1	0	0	0	0 NA	NA
Apol6	0	0	0	0 NA	NA
Apol11b	0	0	0	0 NA	NA
Apol8	0	0	0	0 NA	NA
Gm17638	0	0	0	0 NA	NA
Cacng2	0	0	0	0 NA	NA
Pvalb	0	0	0	0 NA	NA

Csf2rb2	0	0	0	0 NA	NA
Tex33	0	0	0	0 NA	NA
Il2rb	0	0	0	0 NA	NA
Gm10863	0	0	0	0 NA	NA
Gm16059	0	0	0	0 NA	NA
Mchr1	0	0	0	0 NA	NA
Mpped1	0	0	0	0 NA	NA
Mov10l1	0	0	0	0 NA	NA
Odf3b	0	0	0	0 NA	NA
Acr	0	0	0	0 NA	NA
Syt10	0	0	0	0 NA	NA
Lalba	0	0	0	0 NA	NA
Ddn	0	0	0	0 NA	NA
B130046B21	0	0	0	0 NA	NA
Faim2	0	0	0	0 NA	NA
Gm17058	0	0	0	0 NA	NA
Gm17057	0	0	0	0 NA	NA
Krt4	0	0	0	0 NA	NA
Gm9918	0	0	0	0 NA	NA
Sp7	0	0	0	0 NA	NA
Npff	0	0	0	0 NA	NA
Hoxc5	0	0	0	0 NA	NA
Hoxc8	0	0	0	0 NA	NA
Hoxc6	0	0	0	0 NA	NA
Gpr84	0	0	0	0 NA	NA
Mucl2	0	0	0	0 NA	NA
Gm15537	0	0	0	0 NA	NA
AU021092	0	0	0	0 NA	NA
Grin2a	0	0	0	0 NA	NA
Rpl39l	0	0	0	0 NA	NA

Atf7ip2	0	0	0	0 NA	NA
Tnfrsf17	0	0	0	0 NA	NA
Pla2g10	0	0	0	0 NA	NA
Serpind1	0	0	0	0 NA	NA
Gsc2	0	0	0	0 NA	NA
Tbx1	0	0	0	0 NA	NA
Map6d1	0	0	0	0 NA	NA
Teddm3	0	0	0	0 NA	NA
Ahsg	0	0	0	0 NA	NA
Masp1	0	0	0	0 NA	NA
A230028O05	0	0	0	0 NA	NA
Atp13a4	0	0	0	0 NA	NA
Gm26834	0	0	0	0 NA	NA
Gm26569	0	0	0	0 NA	NA
Pigz	0	0	0	0 NA	NA
Bex6	0	0	0	0 NA	NA
Smco1	0	0	0	0 NA	NA
Slc51a	0	0	0	0 NA	NA
Tnk2os	0	0	0	0 NA	NA
1700119H24	0	0	0	0 NA	NA
Gm15564	0	0	0	0 NA	NA
Csta1	0	0	0	0 NA	NA
Gpr156	0	0	0	0 NA	NA
Cd80	0	0	0	0 NA	NA
Gm17103	0	0	0	0 NA	NA
Zdhhc23	0	0	0	0 NA	NA
Cd200r4	0	0	0	0 NA	NA
Gcsam	0	0	0	0 NA	NA
Dppa4	0	0	0	0 NA	NA
G730013B05	0	0	0	0 NA	NA

Gm16892	0	0	0	0 NA	NA
Htr1f	0	0	0	0 NA	NA
Pou1f1	0	0	0	0 NA	NA
Vgll3	0	0	0	0 NA	NA
Mir155hg	0	0	0	0 NA	NA
Map3k7cl	0	0	0	0 NA	NA
2810407A14	0	0	0	0 NA	NA
Grik1	0	0	0	0 NA	NA
Sim2	0	0	0	0 NA	NA
Kcnj15	0	0	0	0 NA	NA
2810404F17I	0	0	0	0 NA	NA
3300005D01	0	0	0	0 NA	NA
Tagap	0	0	0	0 NA	NA
1700110C19I	0	0	0	0 NA	NA
Gm16168	0	0	0	0 NA	NA
Gm26873	0	0	0	0 NA	NA
Zscan10	0	0	0	0 NA	NA
Prss33	0	0	0	0 NA	NA
Prss32	0	0	0	0 NA	NA
Gm15947	0	0	0	0 NA	NA
Dcpp2	0	0	0	0 NA	NA
Dcpp3	0	0	0	0 NA	NA
Rpl3l	0	0	0	0 NA	NA
Ptx4	0	0	0	0 NA	NA
Ccdc154	0	0	0	0 NA	NA
Nhlrc4	0	0	0	0 NA	NA
D630044L22I	0	0	0	0 NA	NA
Nkx2-5	0	0	0	0 NA	NA
Gm17382	0	0	0	0 NA	NA
Gm10505	0	0	0	0 NA	NA

Slc26a8	0	0	0	0 NA	NA
Pnpla1	0	0	0	0 NA	NA
Rab44	0	0	0	0 NA	NA
Gm26885	0	0	0	0 NA	NA
1700097N02	0	0	0	0 NA	NA
Ubash3a	0	0	0	0 NA	NA
Cryaa	0	0	0	0 NA	NA
Pglyrp2	0	0	0	0 NA	NA
Gm17115	0	0	0	0 NA	NA
Myo1f	0	0	0	0 NA	NA
BC051537	0	0	0	0 NA	NA
H2-Ob	0	0	0	0 NA	NA
Btnl2	0	0	0	0 NA	NA
Gm20481	0	0	0	0 NA	NA
Ly6g6f	0	0	0	0 NA	NA
Gm16181	0	0	0	0 NA	NA
Cdsn	0	0	0	0 NA	NA
Trim15	0	0	0	0 NA	NA
H2-M5	0	0	0	0 NA	NA
H2-M2	0	0	0	0 NA	NA
Crisp2	0	0	0	0 NA	NA
Ptchd4	0	0	0	0 NA	NA
Adgrf4	0	0	0	0 NA	NA
Ankrd66	0	0	0	0 NA	NA
Runx2os1	0	0	0	0 NA	NA
F630040K05I	0	0	0	0 NA	NA
Crip3	0	0	0	0 NA	NA
Gm16494	0	0	0	0 NA	NA
Gm5814	0	0	0	0 NA	NA
Gm21981	0	0	0	0 NA	NA

Frs3os	0	0	0	0 NA	NA
Gm15556	0	0	0	0 NA	NA
9830107B12	0	0	0	0 NA	NA
A530064D06	0	0	0	0 NA	NA
Trem3	0	0	0	0 NA	NA
Trem12	0	0	0	0 NA	NA
Trem11	0	0	0	0 NA	NA
Slc5a7	0	0	0	0 NA	NA
Adgre4	0	0	0	0 NA	NA
Slc25a41	0	0	0	0 NA	NA
Cd70	0	0	0	0 NA	NA
Tnfsf14	0	0	0	0 NA	NA
Nudt12os	0	0	0	0 NA	NA
AU016765	0	0	0	0 NA	NA
Themis3	0	0	0	0 NA	NA
5031415H12	0	0	0	0 NA	NA
Gm20703	0	0	0	0 NA	NA
Gm26510	0	0	0	0 NA	NA
Cyp1b1	0	0	0	0 NA	NA
Hao	0	0	0	0 NA	NA
Gm15978	0	0	0	0 NA	NA
Rpl36-ps4	0	0	0	0 NA	NA
Adcyap1	0	0	0	0 NA	NA
Lama3	0	0	0	0 NA	NA
Gm15328	0	0	0	0 NA	NA
Dsc3	0	0	0	0 NA	NA
Dsg1c	0	0	0	0 NA	NA
Gpr17	0	0	0	0 NA	NA
Pcdha5	0	0	0	0 NA	NA
Pcdha11	0	0	0	0 NA	NA

Pcdhgb2	0	0	0	0 NA	NA
Kctd16	0	0	0	0 NA	NA
Sh3rf2	0	0	0	0 NA	NA
Scgb3a2	0	0	0	0 NA	NA
Myot	0	0	0	0 NA	NA
Gm43425	0	0	0	0 NA	NA
Arl14epl	0	0	0	0 NA	NA
Redrum	0	0	0	0 NA	NA
Slc27a6	0	0	0	0 NA	NA
Adamts19	0	0	0	0 NA	NA
Chsy3	0	0	0	0 NA	NA
Gm4841	0	0	0	0 NA	NA
ligp1	0	0	0	0 NA	NA
Arsi	0	0	0	0 NA	NA
Gm38165	0	0	0	0 NA	NA
2700046A07	0	0	0	0 NA	NA
Apcdd1	0	0	0	0 NA	NA
Grp	0	0	0	0 NA	NA
Mc4r	0	0	0	0 NA	NA
Dcc	0	0	0	0 NA	NA
D730045A05	0	0	0	0 NA	NA
Slc14a1	0	0	0	0 NA	NA
Gm26676	0	0	0	0 NA	NA
Sall3	0	0	0	0 NA	NA
Cd226	0	0	0	0 NA	NA
Dok6	0	0	0	0 NA	NA
Gpr152	0	0	0	0 NA	NA
Kcnk7	0	0	0	0 NA	NA
Slc22a20	0	0	0	0 NA	NA
Naaladl1	0	0	0	0 NA	NA

Batf2	0	0	0	0 NA	NA
Slc22a30	0	0	0	0 NA	NA
Chrm1	0	0	0	0 NA	NA
Pga5	0	0	0	0 NA	NA
Cd6	0	0	0	0 NA	NA
Ptgdr2	0	0	0	0 NA	NA
Ms4a15	0	0	0	0 NA	NA
Ms4a1	0	0	0	0 NA	NA
Ms4a14	0	0	0	0 NA	NA
Ms4a4b	0	0	0	0 NA	NA
Gm19261	0	0	0	0 NA	NA
Ms4a4d	0	0	0	0 NA	NA
Ms4a3	0	0	0	0 NA	NA
Glyat	0	0	0	0 NA	NA
Gm15962	0	0	0	0 NA	NA
Tmc1	0	0	0	0 NA	NA
Gda	0	0	0	0 NA	NA
Dmrt1	0	0	0	0 NA	NA
Dmrt3	0	0	0	0 NA	NA
Dmrt2	0	0	0	0 NA	NA
D930032P07	0	0	0	0 NA	NA
Lipm	0	0	0	0 NA	NA
Gm26902	0	0	0	0 NA	NA
Ifit3	0	0	0	0 NA	NA
Ifit1bl2	0	0	0	0 NA	NA
Htr7	0	0	0	0 NA	NA
Dntt	0	0	0	0 NA	NA
4933411K16f	0	0	0	0 NA	NA
Loxl4	0	0	0	0 NA	NA
Hpse2	0	0	0	0 NA	NA

Gm20467	0	0	0	0 NA	NA
Scd4	0	0	0	0 NA	NA
Scd1	0	0	0	0 NA	NA
Gm26644	0	0	0	0 NA	NA
Tlx1	0	0	0	0 NA	NA
Lbx1	0	0	0	0 NA	NA
Fgf8	0	0	0	0 NA	NA
Pitx3	0	0	0	0 NA	NA
Sorcs3	0	0	0	0 NA	NA
4833407H14	0	0	0	0 NA	NA
Gucy2g	0	0	0	0 NA	NA
Nrap	0	0	0	0 NA	NA
Gm17197	0	0	0	0 NA	NA
Plekhs1	0	0	0	0 NA	NA
Adrb1	0	0	0	0 NA	NA
Tdrd1	0	0	0	0 NA	NA
1810007D17	0	0	0	0 NA	NA
Emx2os	0	0	0	0 NA	NA
Emx2	0	0	0	0 NA	NA
Il17a	0	0	0	0 NA	NA
Gm5524	0	0	0	0 NA	NA
Gm9898	0	0	0	0 NA	NA
Gm3646	0	0	0	0 NA	NA
Ctla4	0	0	0	0 NA	NA
Ugt1a9	0	0	0	0 NA	NA
Serpnb7	0	0	0	0 NA	NA
Cd55b	0	0	0	0 NA	NA
Gm16083	0	0	0	0 NA	NA
Gm15848	0	0	0	0 NA	NA
Gm29282	0	0	0	0 NA	NA

Gm36945	0	0	0	0 NA	NA
Lrrc52	0	0	0	0 NA	NA
Fcrla	0	0	0	0 NA	NA
Gm10521	0	0	0	0 NA	NA
Fcer1a	0	0	0	0 NA	NA
Fut7	0	0	0	0 NA	NA
Qrfp	0	0	0	0 NA	NA
Gm14033	0	0	0	0 NA	NA
4932414N04	0	0	0	0 NA	NA
Dhrs9	0	0	0	0 NA	NA
Pin1rt1	0	0	0	0 NA	NA
Scp2d1	0	0	0	0 NA	NA
Rspo4os	0	0	0	0 NA	NA
Gm14288	0	0	0	0 NA	NA
2210418O10	0	0	0	0 NA	NA
Gm14341	0	0	0	0 NA	NA
Slc6a14	0	0	0	0 NA	NA
Gm9	0	0	0	0 NA	NA
Xlr5b	0	0	0	0 NA	NA
Xlr5c	0	0	0	0 NA	NA
Avpr2	0	0	0	0 NA	NA
Gm14812	0	0	0	0 NA	NA
Pof1b	0	0	0	0 NA	NA
Tcp11x2	0	0	0	0 NA	NA
Tmsb15a	0	0	0	0 NA	NA
Il13ra2	0	0	0	0 NA	NA
1110015O18	0	0	0	0 NA	NA
Sirpb1b	0	0	0	0 NA	NA
Qrfpr	0	0	0	0 NA	NA
Sh2d2a	0	0	0	0 NA	NA

2210017101R	0	0	0	0 NA	NA
Them5	0	0	0	0 NA	NA
Gm26594	0	0	0	0 NA	NA
Amy2a4	0	0	0	0 NA	NA
A730020M07	0	0	0	0 NA	NA
Gm30484	0	0	0	0 NA	NA
Gm12354	0	0	0	0 NA	NA
Gm11264	0	0	0	0 NA	NA
Skint5	0	0	0	0 NA	NA
Cyp4a12a	0	0	0	0 NA	NA
Gm12888	0	0	0	0 NA	NA
Tssk3	0	0	0	0 NA	NA
Gm12974	0	0	0	0 NA	NA
Pax7	0	0	0	0 NA	NA
Gm13017	0	0	0	0 NA	NA
Zfp600	0	0	0	0 NA	NA
1700045H11	0	0	0	0 NA	NA
Ankrd65	0	0	0	0 NA	NA
Speer4d	0	0	0	0 NA	NA
Speer4a	0	0	0	0 NA	NA
En2	0	0	0	0 NA	NA
Adgrf3	0	0	0	0 NA	NA
Gm7596	0	0	0	0 NA	NA
Spata18	0	0	0	0 NA	NA
C78283	0	0	0	0 NA	NA
Gm15984	0	0	0	0 NA	NA
Pdcl2	0	0	0	0 NA	NA
Ugt2b1	0	0	0	0 NA	NA
Dmp1	0	0	0	0 NA	NA
lbsp	0	0	0	0 NA	NA

Gm13822	0	0	0	0 NA	NA
Gm43069	0	0	0	0 NA	NA
Piwil1	0	0	0	0 NA	NA
Gm28616	0	0	0	0 NA	NA
Gm43645	0	0	0	0 NA	NA
Gm16122	0	0	0	0 NA	NA
Cyp3a11	0	0	0	0 NA	NA
Gm13855	0	0	0	0 NA	NA
5830405F06I	0	0	0	0 NA	NA
2010310C07I	0	0	0	0 NA	NA
Ghrhr	0	0	0	0 NA	NA
6430584L05F	0	0	0	0 NA	NA
Il23r	0	0	0	0 NA	NA
Gm1070	0	0	0	0 NA	NA
Reg3b	0	0	0	0 NA	NA
2310069B03I	0	0	0	0 NA	NA
Atp6v1b1	0	0	0	0 NA	NA
Gm44117	0	0	0	0 NA	NA
Cpne9	0	0	0	0 NA	NA
1700030F04I	0	0	0	0 NA	NA
Clec4e	0	0	0	0 NA	NA
Vmn2r26	0	0	0	0 NA	NA
Klrb1c	0	0	0	0 NA	NA
Clec2g	0	0	0	0 NA	NA
Tmem52b	0	0	0	0 NA	NA
Tarm1	0	0	0	0 NA	NA
Gm17067	0	0	0	0 NA	NA
Klk1b5	0	0	0	0 NA	NA
Gm15413	0	0	0	0 NA	NA
Trim34b	0	0	0	0 NA	NA

Abca14	0	0	0	0 NA	NA
Abca15	0	0	0	0 NA	NA
Gm4275	0	0	0	0 NA	NA
Taar4	0	0	0	0 NA	NA
Tacr2	0	0	0	0 NA	NA
1110002J07F	0	0	0	0 NA	NA
Kera	0	0	0	0 NA	NA
Gad1-ps	0	0	0	0 NA	NA
Myf6	0	0	0	0 NA	NA
Glipr1l1	0	0	0	0 NA	NA
Rdh16	0	0	0	0 NA	NA
Cd209a	0	0	0	0 NA	NA
Cd209d	0	0	0	0 NA	NA
5830468F06I	0	0	0	0 NA	NA
Gm6040	0	0	0	0 NA	NA
Rln3	0	0	0	0 NA	NA
Ces1g	0	0	0	0 NA	NA
Mt4	0	0	0	0 NA	NA
Foxl1	0	0	0	0 NA	NA
Acox2	0	0	0	0 NA	NA
Cysltr2	0	0	0	0 NA	NA
Gpr18	0	0	0	0 NA	NA
Gsta2	0	0	0	0 NA	NA
1700057G04	0	0	0	0 NA	NA
Gm29154	0	0	0	0 NA	NA
2310075C17I	0	0	0	0 NA	NA
Ccr8	0	0	0	0 NA	NA
4933405E24I	0	0	0	0 NA	NA
Il3	0	0	0	0 NA	NA
Gm12249	0	0	0	0 NA	NA

Gm12298	0	0	0	0 NA	NA
Alox12e	0	0	0	0 NA	NA
Gm12320	0	0	0	0 NA	NA
Gm12326	0	0	0	0 NA	NA
Wfdc18	0	0	0	0 NA	NA
Gm11541	0	0	0	0 NA	NA
Gm11534	0	0	0	0 NA	NA
Krtap3-3	0	0	0	0 NA	NA
Krtap31-2	0	0	0	0 NA	NA
Higd1b	0	0	0	0 NA	NA
Cacng1	0	0	0	0 NA	NA
Gm11681	0	0	0	0 NA	NA
Akr1c20	0	0	0	0 NA	NA
Btn1a1	0	0	0	0 NA	NA
Prl6a1	0	0	0	0 NA	NA
1700029N11	0	0	0	0 NA	NA
Irx4	0	0	0	0 NA	NA
9330111N05	0	0	0	0 NA	NA
Ckmt2	0	0	0	0 NA	NA
Gm17190	0	0	0	0 NA	NA
4932411K12I	0	0	0	0 NA	NA
Mcidas	0	0	0	0 NA	NA
Gm17024	0	0	0	0 NA	NA
Rpl10l	0	0	0	0 NA	NA
Serpina3n	0	0	0	0 NA	NA
Anxa13	0	0	0	0 NA	NA
Ly6g	0	0	0	0 NA	NA
Tssk5	0	0	0	0 NA	NA
Apol9a	0	0	0	0 NA	NA
4930562C15I	0	0	0	0 NA	NA

Tnp2	0	0	0	0 NA	NA
Stfa1	0	0	0	0 NA	NA
Cd200r3	0	0	0	0 NA	NA
Btla	0	0	0	0 NA	NA
1700029J03F	0	0	0	0 NA	NA
Itgb2l	0	0	0	0 NA	NA
Umodl1	0	0	0	0 NA	NA
H2-Eb2	0	0	0	0 NA	NA
H2-Q1	0	0	0	0 NA	NA
Gm16172	0	0	0	0 NA	NA
1700122O11	0	0	0	0 NA	NA
Gm19585	0	0	0	0 NA	NA
Usp9y	0	0	0	0 NA	NA
Gm15337	0	0	0	0 NA	NA
Plac8l1	0	0	0	0 NA	NA
1700030N03	0	0	0	0 NA	NA
Gm28374	0	0	0	0 NA	NA
Slc22a27	0	0	0	0 NA	NA
Keg1	0	0	0	0 NA	NA
Pdcd1lg2	0	0	0	0 NA	NA
Cyp2c68	0	0	0	0 NA	NA
Gm20538	0	0	0	0 NA	NA
Elovl3	0	0	0	0 NA	NA
Csprs	0	0	0	0 NA	NA
Khdc1a	0	0	0	0 NA	NA
Khdc1c	0	0	0	0 NA	NA
Gm29156	0	0	0	0 NA	NA
Pth2r	0	0	0	0 NA	NA
Gm29539	0	0	0	0 NA	NA
Pax3	0	0	0	0 NA	NA

A530040E14	0	0	0	0 NA	NA
Gpr55	0	0	0	0 NA	NA
Nmur1	0	0	0	0 NA	NA
Gm28187	0	0	0	0 NA	NA
Gpr3711	0	0	0	0 NA	NA
Gm37552	0	0	0	0 NA	NA
Tex35	0	0	0	0 NA	NA
Tnn	0	0	0	0 NA	NA
Gm31925	0	0	0	0 NA	NA
Gm26685	0	0	0	0 NA	NA
Gm37756	0	0	0	0 NA	NA
Kcnj10	0	0	0	0 NA	NA
Slamf8	0	0	0	0 NA	NA
Gm5533	0	0	0	0 NA	NA
Gm26879	0	0	0	0 NA	NA
Gm16897	0	0	0	0 NA	NA
Gm10851	0	0	0	0 NA	NA
Il2ra	0	0	0	0 NA	NA
Tmem236	0	0	0	0 NA	NA
Malrd1	0	0	0	0 NA	NA
Gm13411	0	0	0	0 NA	NA
Gm13387	0	0	0	0 NA	NA
Lhx3	0	0	0	0 NA	NA
Gm13381	0	0	0	0 NA	NA
Hc	0	0	0	0 NA	NA
Gm13561	0	0	0	0 NA	NA
Hoxd10	0	0	0	0 NA	NA
A930006101F	0	0	0	0 NA	NA
Bbox1	0	0	0	0 NA	NA
Muc15	0	0	0	0 NA	NA

Duoxa1	0	0	0	0 NA	NA
Al847159	0	0	0	0 NA	NA
Hao1	0	0	0	0 NA	NA
Sstr4	0	0	0	0 NA	NA
Gm14198	0	0	0	0 NA	NA
Slc32a1	0	0	0	0 NA	NA
Wfdc12	0	0	0	0 NA	NA
Svs5	0	0	0	0 NA	NA
A530013C23	0	0	0	0 NA	NA
Bcas1os2	0	0	0	0 NA	NA
Pck1	0	0	0	0 NA	NA
Srms	0	0	0	0 NA	NA
Gpr82	0	0	0	0 NA	NA
Rhox8	0	0	0	0 NA	NA
Sh2d1a	0	0	0	0 NA	NA
Vgll1	0	0	0	0 NA	NA
Gm14809	0	0	0	0 NA	NA
Foxr2	0	0	0	0 NA	NA
Gm38335	0	0	0	0 NA	NA
A930001A20	0	0	0	0 NA	NA
Sirpb1a	0	0	0	0 NA	NA
Dnajc5b	0	0	0	0 NA	NA
Gm43525	0	0	0	0 NA	NA
Ghsr	0	0	0	0 NA	NA
Gm5103	0	0	0	0 NA	NA
Gm20754	0	0	0	0 NA	NA
Npy2r	0	0	0	0 NA	NA
Sprr1a	0	0	0	0 NA	NA
Gm15444	0	0	0	0 NA	NA
Eps8l3	0	0	0	0 NA	NA

Myoz2	0	0	0	0 NA	NA
Gm43522	0	0	0	0 NA	NA
4930430E12I	0	0	0	0 NA	NA
Sit1	0	0	0	0 NA	NA
Gm568	0	0	0	0 NA	NA
Tyrp1	0	0	0	0 NA	NA
Gm12708	0	0	0	0 NA	NA
Gm29064	0	0	0	0 NA	NA
Gm12963	0	0	0	0 NA	NA
Gm13066	0	0	0	0 NA	NA
1700003C15I	0	0	0	0 NA	NA
Gm42450	0	0	0	0 NA	NA
Gm42849	0	0	0	0 NA	NA
Gm43042	0	0	0	0 NA	NA
AU023070	0	0	0	0 NA	NA
Hopxos	0	0	0	0 NA	NA
Tmprss11g	0	0	0	0 NA	NA
Cxcl9	0	0	0	0 NA	NA
Vmn2r13	0	0	0	0 NA	NA
Pitpnm2os2	0	0	0	0 NA	NA
Muc3a	0	0	0	0 NA	NA
Sap25	0	0	0	0 NA	NA
8430423G03	0	0	0	0 NA	NA
Gm42529	0	0	0	0 NA	NA
Gm5111	0	0	0	0 NA	NA
Gm28053	0	0	0	0 NA	NA
Gm44226	0	0	0	0 NA	NA
Stk31	0	0	0	0 NA	NA
Npvf	0	0	0	0 NA	NA
Hoxa10	0	0	0	0 NA	NA

Tnip3	0	0	0	0 NA	NA
Cd8a	0	0	0	0 NA	NA
Gm44040	0	0	0	0 NA	NA
Ssu2	0	0	0	0 NA	NA
Clec4a4	0	0	0	0 NA	NA
Clec4b2	0	0	0	0 NA	NA
Klrb1a	0	0	0	0 NA	NA
Klrc2	0	0	0	0 NA	NA
Klrc1	0	0	0	0 NA	NA
Klri1	0	0	0	0 NA	NA
Klri2	0	0	0	0 NA	NA
Klra5	0	0	0	0 NA	NA
A630073D07	0	0	0	0 NA	NA
Gm19434	0	0	0	0 NA	NA
Nlrp12	0	0	0	0 NA	NA
Ceacam16	0	0	0	0 NA	NA
Irgc1	0	0	0	0 NA	NA
Gm26550	0	0	0	0 NA	NA
Igflr1	0	0	0	0 NA	NA
Klk1b11	0	0	0	0 NA	NA
Klk1b27	0	0	0	0 NA	NA
Mrgprb1	0	0	0	0 NA	NA
Folh1	0	0	0	0 NA	NA
Ccdc83	0	0	0	0 NA	NA
Gm15635	0	0	0	0 NA	NA
Art2b	0	0	0	0 NA	NA
Trim30b	0	0	0	0 NA	NA
Calcb	0	0	0	0 NA	NA
Umod	0	0	0	0 NA	NA
Il27	0	0	0	0 NA	NA

Scgb1c1	0	0	0	0 NA	NA
Gm16982	0	0	0	0 NA	NA
Mrgprd	0	0	0	0 NA	NA
4930432B10	0	0	0	0 NA	NA
Vnn3	0	0	0	0 NA	NA
Samd3	0	0	0	0 NA	NA
Prf1	0	0	0	0 NA	NA
Ptprq	0	0	0	0 NA	NA
Cd209b	0	0	0	0 NA	NA
Cd209g	0	0	0	0 NA	NA
Myom2	0	0	0	0 NA	NA
Spata4	0	0	0	0 NA	NA
Slc12a3	0	0	0	0 NA	NA
9330175E14I	0	0	0	0 NA	NA
Nlrc5	0	0	0	0 NA	NA
Ces2e	0	0	0	0 NA	NA
Kcng4	0	0	0	0 NA	NA
5033426O07	0	0	0	0 NA	NA
Gm27011	0	0	0	0 NA	NA
Gm8050	0	0	0	0 NA	NA
Msemb	0	0	0	0 NA	NA
A630023A22	0	0	0	0 NA	NA
Sh2d4b	0	0	0	0 NA	NA
Gm16506	0	0	0	0 NA	NA
Ear10	0	0	0	0 NA	NA
Gm17173	0	0	0	0 NA	NA
Tlr11	0	0	0	0 NA	NA
Eddm3b	0	0	0	0 NA	NA
Ang2	0	0	0	0 NA	NA
Sgcg	0	0	0	0 NA	NA

Gm9922	0	0	0	0 NA	NA
Timm8a2	0	0	0	0 NA	NA
Mmp12	0	0	0	0 NA	NA
Mmp3	0	0	0	0 NA	NA
Gm27162	0	0	0	0 NA	NA
Crtam	0	0	0	0 NA	NA
2900052N01	0	0	0	0 NA	NA
Gsta1	0	0	0	0 NA	NA
Impg1	0	0	0	0 NA	NA
Gm10634	0	0	0	0 NA	NA
4930579C12I	0	0	0	0 NA	NA
Tdgf1	0	0	0	0 NA	NA
Bcl2a1c	0	0	0	0 NA	NA
C130032M1C	0	0	0	0 NA	NA
Eomes	0	0	0	0 NA	NA
Slc22a14	0	0	0	0 NA	NA
Scn10a	0	0	0	0 NA	NA
Abca13	0	0	0	0 NA	NA
Gm12022	0	0	0	0 NA	NA
Gm12153	0	0	0	0 NA	NA
Gm12159	0	0	0	0 NA	NA
Tgtp1	0	0	0	0 NA	NA
Tgtp2	0	0	0	0 NA	NA
Csf2	0	0	0	0 NA	NA
Lypd8	0	0	0	0 NA	NA
1810065E05I	0	0	0	0 NA	NA
Gm12253	0	0	0	0 NA	NA
Gm26964	0	0	0	0 NA	NA
Slfn4	0	0	0	0 NA	NA
Gm53	0	0	0	0 NA	NA

Krt39	0	0	0	0 NA	NA
Krt16	0	0	0	0 NA	NA
Gm12349	0	0	0	0 NA	NA
Dhx58os	0	0	0	0 NA	NA
Gm11551	0	0	0	0 NA	NA
Gm20659	0	0	0	0 NA	NA
9930022D16	0	0	0	0 NA	NA
St6galnac1	0	0	0	0 NA	NA
Gm12589	0	0	0	0 NA	NA
Ptchd3	0	0	0	0 NA	NA
Pom121l2	0	0	0	0 NA	NA
Hus1b	0	0	0	0 NA	NA
Stmnd1	0	0	0	0 NA	NA
Omd	0	0	0	0 NA	NA
Hrh2	0	0	0	0 NA	NA
1700066J03F	0	0	0	0 NA	NA
Gm10037	0	0	0	0 NA	NA
Gm15290	0	0	0	0 NA	NA
D13Ert608e	0	0	0	0 NA	NA
Nkx2-9	0	0	0	0 NA	NA
Gm15523	0	0	0	0 NA	NA
Bdkrb2	0	0	0	0 NA	NA
Rd3l	0	0	0	0 NA	NA
Gm30948	0	0	0	0 NA	NA
Gm19331	0	0	0	0 NA	NA
Dcstamp	0	0	0	0 NA	NA
Gm17473	0	0	0	0 NA	NA
Klhl38	0	0	0	0 NA	NA
Ly6i	0	0	0	0 NA	NA
Apol7b	0	0	0	0 NA	NA

Apol10a	0	0	0	0 NA	NA
Apol7e	0	0	0	0 NA	NA
Wnt10b	0	0	0	0 NA	NA
Krt6b	0	0	0	0 NA	NA
Ciita	0	0	0	0 NA	NA
Gm21859	0	0	0	0 NA	NA
Gm9961	0	0	0	0 NA	NA
Tssk1	0	0	0	0 NA	NA
Tm4sf19	0	0	0	0 NA	NA
Gm26838	0	0	0	0 NA	NA
Cd200r2	0	0	0	0 NA	NA
Trat1	0	0	0	0 NA	NA
Adgrg7	0	0	0	0 NA	NA
Gpr15	0	0	0	0 NA	NA
Speer2	0	0	0	0 NA	NA
Olig2	0	0	0	0 NA	NA
Fam3b	0	0	0	0 NA	NA
Has1	0	0	0	0 NA	NA
Mmp25	0	0	0	0 NA	NA
Dcpp1	0	0	0	0 NA	NA
Prss30	0	0	0	0 NA	NA
Meiob	0	0	0	0 NA	NA
Actl9	0	0	0	0 NA	NA
Gm20513	0	0	0	0 NA	NA
Gm6034	0	0	0	0 NA	NA
Gm19684	0	0	0	0 NA	NA
H2-T3	0	0	0	0 NA	NA
Adgrf1	0	0	0	0 NA	NA
Tcte1	0	0	0	0 NA	NA
Acer1	0	0	0	0 NA	NA

Vit	0	0	0	0 NA	NA
Lhcgr	0	0	0	0 NA	NA
Lvrn	0	0	0	0 NA	NA
Arhgef37	0	0	0	0 NA	NA
Mc2r	0	0	0	0 NA	NA
Aldh3b3	0	0	0	0 NA	NA
Scgb1a1	0	0	0	0 NA	NA
Gm28935	0	0	0	0 NA	NA
Oosp2	0	0	0	0 NA	NA
Oosp1	0	0	0	0 NA	NA
Pdzd7	0	0	0	0 NA	NA
Gm19557	0	0	0	0 NA	NA
Gm37915	0	0	0	0 NA	NA
Alppl2	0	0	0	0 NA	NA
Prlh	0	0	0	0 NA	NA
Gal3st2	0	0	0	0 NA	NA
Map3k19	0	0	0	0 NA	NA
Sele	0	0	0	0 NA	NA
Gm32391	0	0	0	0 NA	NA
Gm32569	0	0	0	0 NA	NA
1700016C15I	0	0	0	0 NA	NA
Gm33973	0	0	0	0 NA	NA
Gm37027	0	0	0	0 NA	NA
Gm28035	0	0	0	0 NA	NA
Pla2g4f	0	0	0	0 NA	NA
Astl	0	0	0	0 NA	NA
Adig	0	0	0	0 NA	NA
Gm14267	0	0	0	0 NA	NA
Gm14321	0	0	0	0 NA	NA
Gm14618	0	0	0	0 NA	NA

Gm14565	0	0	0	0 NA	NA
Trex2	0	0	0	0 NA	NA
Gm614	0	0	0	0 NA	NA
Cdx4	0	0	0	0 NA	NA
Samd7	0	0	0	0 NA	NA
Tshb	0	0	0	0 NA	NA
9830132P13I	0	0	0	0 NA	NA
Gm42706	0	0	0	0 NA	NA
Tal2	0	0	0	0 NA	NA
Musk	0	0	0	0 NA	NA
Gm13285	0	0	0	0 NA	NA
Gm8439	0	0	0	0 NA	NA
Gm16224	0	0	0	0 NA	NA
Ctrcos	0	0	0	0 NA	NA
Perm1	0	0	0	0 NA	NA
Gm42435	0	0	0	0 NA	NA
Tmprss11d	0	0	0	0 NA	NA
Sult1e1	0	0	0	0 NA	NA
Fam47e	0	0	0	0 NA	NA
Gm42421	0	0	0	0 NA	NA
1700001J03F	0	0	0	0 NA	NA
Gm19272	0	0	0	0 NA	NA
Asb15	0	0	0	0 NA	NA
Gm15624	0	0	0	0 NA	NA
Hrh1	0	0	0	0 NA	NA
Klra3	0	0	0	0 NA	NA
Sbk3	0	0	0	0 NA	NA
Gm29638	0	0	0	0 NA	NA
Psg29	0	0	0	0 NA	NA
Ceacam20	0	0	0	0 NA	NA

A530021J07F	0	0	0	0 NA	NA
Tmc5	0	0	0	0 NA	NA
Pdilt	0	0	0	0 NA	NA
Acsm1	0	0	0	0 NA	NA
Odf3	0	0	0	0 NA	NA
Cd209e	0	0	0	0 NA	NA
Gm4889	0	0	0	0 NA	NA
Gm15889	0	0	0	0 NA	NA
Gm16156	0	0	0	0 NA	NA
Hydin	0	0	0	0 NA	NA
Gm15395	0	0	0	0 NA	NA
Hsd17b2	0	0	0	0 NA	NA
D830044D21	0	0	0	0 NA	NA
Gm9748	0	0	0	0 NA	NA
Acrv1	0	0	0	0 NA	NA
Gm26868	0	0	0	0 NA	NA
4930505A04	0	0	0	0 NA	NA
Foxi1	0	0	0	0 NA	NA
Gm12185	0	0	0	0 NA	NA
Slc36a3	0	0	0	0 NA	NA
B430319H21	0	0	0	0 NA	NA
B130011K05	0	0	0	0 NA	NA
1700086D15	0	0	0	0 NA	NA
Ccl8	0	0	0	0 NA	NA
Phospho1	0	0	0	0 NA	NA
Krt33a	0	0	0	0 NA	NA
Gm14206	0	0	0	0 NA	NA
Gh	0	0	0	0 NA	NA
Gm11707	0	0	0	0 NA	NA
Gm11734	0	0	0	0 NA	NA

Tspan10	0	0	0	0	NA	NA
Gm11788	0	0	0	0	NA	NA
Calm4	0	0	0	0	NA	NA
Gm11373	0	0	0	0	NA	NA
Gm15324	0	0	0	0	NA	NA
Gzmk	0	0	0	0	NA	NA
Pax9	0	0	0	0	NA	NA
Cpt1b	0	0	0	0	NA	NA
Glycam1	0	0	0	0	NA	NA
Cyp2ab1	0	0	0	0	NA	NA
Fbxo40	0	0	0	0	NA	NA
Cyp4f40	0	0	0	0	NA	NA
Spink5	0	0	0	0	NA	NA
Htr4	0	0	0	0	NA	NA
Mc5r	0	0	0	0	NA	NA
Dynap	0	0	0	0	NA	NA
Kcnk4	0	0	0	0	NA	NA
Zp1	0	0	0	0	NA	NA
Pou6f2	0.00310389	0.00280444	0.00280458	-1.35E-07	0.5001276	0.99999994
F10	0.00434561	0.00392305	0.00392326	-2.07E-07	0.50013985	0.99999994
Mutyh	0.00950327	0.00854948	0.00854972	-2.42E-07	0.50007513	0.99999994
Gm17669	0.00254993	0.0023045	0.0023049	-4.00E-07	0.50046093	0.99999994
Gm20089	0.00044424	0.0004016	0.00040212	-5.27E-07	0.50347778	0.99999994
Ulbp1	0.00044398	0.00040113	0.00040189	-7.59E-07	0.50501636	0.99999994
Lptm5	0.01226303	0.01101123	0.01101202	-7.89E-07	0.50019025	0.99999994
Aldoart2	0.00044393	0.00040105	0.00040185	-7.98E-07	0.5052726	0.99999994
Gm29543	0.00044372	0.00040067	0.00040166	-9.91E-07	0.50655297	0.99999994
Btk	0.00044359	0.00040043	0.00040154	-1.11E-06	0.50732053	0.99999994
Pdk4	0.00044351	0.00040028	0.00040146	-1.18E-06	0.50783196	0.99999994
Wdr27	0.00044351	0.00040028	0.00040146	-1.18E-06	0.50783196	0.99999994

Ugt8a	0.01882896	0.01683235	0.01683355	-1.20E-06	0.50018907	0.99999994
Sypl2	0.00044338	0.00040005	0.00040135	-1.30E-06	0.50859868	0.99999994
Klhl3	0.00500509	0.00451522	0.00451662	-1.40E-06	0.50082219	0.99999994
Itm2a	0.00132849	0.00120006	0.00120183	-1.77E-06	0.5039083	0.99999994
L3mbtl1	0.0004424	0.00039828	0.00040046	-2.18E-06	0.5144599	0.99999994
Mcomp1	0.00078662	0.00070927	0.00071188	-2.62E-06	0.50976459	0.99999994
Tnfsf13b	0.00155149	0.0014006	0.00140336	-2.76E-06	0.50522178	0.99999994
Fhl4	0.00928053	0.00834781	0.00835059	-2.78E-06	0.50088339	0.99999994
5730522E02I	0.00294454	0.0026581	0.00266089	-2.78E-06	0.50277776	0.99999994
Tmem150co:	0.00128751	0.00116182	0.0011648	-2.98E-06	0.50679349	0.99999994
Popdc2	0.00088623	0.00079896	0.00080198	-3.01E-06	0.50998122	0.99999994
Bdh2	0.00618673	0.00557496	0.00557846	-3.50E-06	0.5016684	0.99999994
Avpr1b	0.00165809	0.00149613	0.00149967	-3.54E-06	0.50626077	0.99999994
Tgfb1i1	0.0077736	0.00699795	0.00700179	-3.84E-06	0.50145821	0.99999994
Unc13d	0.00251727	0.00227137	0.00227543	-4.06E-06	0.50473375	0.99999994
Sun3	0.00367811	0.00331797	0.00332213	-4.17E-06	0.50332951	0.99999994
Gm10603	0.00086703	0.00078015	0.00078461	-4.46E-06	0.51509063	0.99999994
Gm37350	0.00499623	0.00450401	0.00450865	-4.64E-06	0.50273389	0.99999994
Fbp1	0.01764878	0.01578623	0.01579096	-4.73E-06	0.50079616	0.99999994
Hoxb8	0.00043935	0.00039282	0.0003977	-4.89E-06	0.53260492	0.99999994
Zfp85os	0.00254766	0.00229771	0.00230285	-5.14E-06	0.50593251	0.99999994
Lrat	0.000439	0.00039218	0.00039738	-5.20E-06	0.53472579	0.99999994
Mageb16	0.00043881	0.00039184	0.00039721	-5.37E-06	0.53584673	0.99999994
Krtap31-1	0.00130909	0.00117892	0.0011843	-5.38E-06	0.51205971	0.99999994
Dus4l	0.01759806	0.01574069	0.01574612	-5.43E-06	0.50091546	0.99999994
Ppp1r3b	0.00043872	0.00039169	0.00039714	-5.44E-06	0.5363445	0.99999994
Tlr1	0.00043856	0.00039139	0.00039698	-5.59E-06	0.53733927	0.99999994
Mtmr11	0.00391878	0.00353325	0.00353893	-5.68E-06	0.5042599	0.99999994
A530083120F	0.00295352	0.00266328	0.00266899	-5.71E-06	0.50568087	0.99999994
Gm2479	0.00043835	0.00039102	0.0003968	-5.77E-06	0.53858127	0.99999994

Nwd1	0.00087214	0.00078346	0.00078923	-5.78E-06	0.51942662	0.99999994
1810012K08I	0.00043755	0.00038961	0.00039608	-6.47E-06	0.54328586	0.99999994
Gm11527	0.00043722	0.00038902	0.00039578	-6.76E-06	0.54525956	0.99999994
Spats1	0.0011422	0.00102632	0.00103343	-7.12E-06	0.51828397	0.99999994
Tnfrsf13c	0.00043668	0.00038806	0.00039529	-7.23E-06	0.54845762	0.99999994
Gm15247	0.00679985	0.00612142	0.00612876	-7.34E-06	0.50317866	0.99999994
Kcnj3	0.00043631	0.0003874	0.00039495	-7.56E-06	0.55066492	0.99999994
Cd177	0.00043631	0.0003874	0.00039495	-7.56E-06	0.55066492	0.99999994
Ifitm5	0.00043627	0.00038732	0.00039491	-7.59E-06	0.55090983	0.99999994
Hepacam	0.00043627	0.00038732	0.00039491	-7.59E-06	0.55090983	0.99999994
Tex14	0.00043627	0.00038732	0.00039491	-7.59E-06	0.55090983	0.99999994
Svep1	0.00043573	0.00038637	0.00039443	-8.06E-06	0.5540874	0.99999994
4921507P07I	0.00359032	0.00323494	0.00324303	-8.09E-06	0.50662621	0.99999994
Klhl41	0.00095442	0.00085547	0.00086364	-8.17E-06	0.52509944	0.99999994
Gm13063	0.00087716	0.0007856	0.00079378	-8.17E-06	0.52732187	0.99999994
Dkk2	0.00043495	0.00038499	0.00039372	-8.74E-06	0.55871034	0.99999994
Cyp2r1	0.00043495	0.00038499	0.00039372	-8.74E-06	0.55871034	0.99999994
Abcg8	0.00085108	0.00076137	0.00077019	-8.82E-06	0.53039646	0.99999994
Gm11899	0.00043479	0.00038469	0.00039357	-8.88E-06	0.55968034	0.99999994
Wdfy4	0.0004347	0.00038455	0.0003935	-8.95E-06	0.56016492	0.99999994
Coq3	0.04806672	0.0421359	0.04214503	-9.13E-06	0.50057543	0.99999994
Slfn14	0.00043429	0.00038382	0.00039313	-9.30E-06	0.56258352	0.99999994
Fgd5	0.00043421	0.00038368	0.00039305	-9.37E-06	0.56306638	0.99999994
Sncaip	0.00115536	0.00103594	0.00104533	-9.39E-06	0.52383141	0.99999994
Cxcl17	0.00043409	0.00038346	0.00039294	-9.48E-06	0.56379013	0.99999994
Ermap	0.00087692	0.00078408	0.00079356	-9.48E-06	0.53170236	0.99999994
Cd69	0.0013678	0.0012277	0.00123736	-9.66E-06	0.52072327	0.99999994
Gbp2	0.0004336	0.0003826	0.0003925	-9.90E-06	0.56667863	0.99999994
Mall	0.00086636	0.00077368	0.00078401	-1.03E-05	0.53493041	0.99999994
Klhl30	0.00083029	0.00074101	0.00075139	-1.04E-05	0.53660725	0.99999994

Hsf5	0.00084126	0.00075079	0.00076131	-1.05E-05	0.53665409	0.99999994
Nrros	0.00184072	0.00165385	0.00166465	-1.08E-05	0.51722646	0.99999994
Slc16a7	0.00230215	0.00207044	0.00208129	-1.08E-05	0.51383305	0.99999994
Fancd2	0.0015001	0.00134606	0.00135692	-1.09E-05	0.52123742	0.99999994
Gm32200	0.00063559	0.0005642	0.00057527	-1.11E-05	0.55093487	0.99999994
Gm15222	0.00043145	0.00037881	0.00039055	-1.17E-05	0.5793095	0.99999994
Plxnc1	0.00253424	0.00227888	0.00229075	-1.19E-05	0.5137578	0.99999994
Kng2	0.00077036	0.00068519	0.00069718	-1.20E-05	0.54555318	0.99999994
9030624G23	0.01411505	0.01264715	0.01265929	-1.21E-05	0.50254672	0.99999994
Plin4	0.00043092	0.00037789	0.00039008	-1.22E-05	0.58237549	0.99999994
Zfp760	0.03887608	0.03428211	0.03429431	-1.22E-05	0.50094445	0.99999994
Ak7	0.0014292	0.00128065	0.00129285	-1.22E-05	0.52504214	0.99999994
Lypd3	0.00043084	0.00037775	0.00039	-1.23E-05	0.58284604	0.99999994
Scimp	0.00043064	0.0003774	0.00038982	-1.24E-05	0.58402108	0.99999994
1700125H03	0.00043056	0.00037725	0.00038975	-1.25E-05	0.58449055	0.99999994
Col4a6	0.00221688	0.00199166	0.00200431	-1.26E-05	0.51675002	0.99999994
Fbxl13	0.00043004	0.00037634	0.00038928	-1.29E-05	0.58753466	0.99999994
Dync1li2	0.12875119	0.10666702	0.10668055	-1.35E-05	0.50033678	0.99999994
Ngf	0.00206421	0.00185244	0.00186647	-1.40E-05	0.51994904	0.99999994
Nr1i2	0.00193243	0.00173345	0.00174748	-1.40E-05	0.52131428	0.99999994
Syt1	0.00272759	0.00245115	0.0024652	-1.41E-05	0.51513435	0.99999994
Gpr137c	0.00061235	0.00053972	0.00055424	-1.45E-05	0.56924269	0.99999994
Trim16	0.00099963	0.00088978	0.00090453	-1.47E-05	0.54321522	0.99999994
Ttc36	0.01393064	0.01248064	0.01249545	-1.48E-05	0.5031464	0.99999994
Ano1	0.0053346	0.00479798	0.00481289	-1.49E-05	0.5082285	0.99999994
B230110C06	0.00064769	0.00057103	0.00058621	-1.52E-05	0.56844716	0.99999994
Adam28	0.0016356	0.00146394	0.00147935	-1.54E-05	0.52763804	0.99999994
Pate2	0.00329981	0.0029658	0.00298121	-1.54E-05	0.51372693	0.99999994
Clcnka	0.00642536	0.00577717	0.0057927	-1.55E-05	0.50711774	0.99999994
Axdnd1	0.00058652	0.00051503	0.00053087	-1.58E-05	0.5786861	0.99999994

Gm43118	0.00212784	0.0019073	0.00192393	-1.66E-05	0.52294694	0.99999994
Paqr3	0.00666111	0.00598761	0.00600427	-1.67E-05	0.50736827	0.99999994
Ackr3	0.00212479	0.0019045	0.00192118	-1.67E-05	0.52303211	0.99999994
Htr1d	0.00178902	0.00160109	0.00161795	-1.69E-05	0.52764395	0.99999994
Sucnr1	0.00042501	0.00036759	0.00038473	-1.71E-05	0.61657082	0.99999994
Scube2	0.00191566	0.00171519	0.00173233	-1.71E-05	0.52625121	0.99999994
Platr25	0.00160981	0.00143873	0.00145605	-1.73E-05	0.53155915	0.99999994
Anxa8	0.00042466	0.00036698	0.00038441	-1.74E-05	0.61857893	0.99999994
8030423F21f	0.00042462	0.00036691	0.00038437	-1.75E-05	0.61880163	0.99999994
Kdsr	0.07136373	0.06160847	0.061626	-1.75E-05	0.50075539	0.99999994
Pdgfc	0.00359883	0.00323288	0.0032507	-1.78E-05	0.51456032	0.99999994
Pkd2l1	0.00042376	0.00036543	0.0003836	-1.82E-05	0.62368023	0.99999994
Mettl7a3	0.00042365	0.00036523	0.00038349	-1.83E-05	0.62434237	0.99999994
Cd180	0.00067952	0.00059664	0.000615	-1.84E-05	0.57876722	0.99999994
Myh8	0.00212636	0.00190402	0.00192259	-1.86E-05	0.52562058	0.99999994
Icam5	0.00078774	0.00069431	0.00071289	-1.86E-05	0.56887699	0.99999994
Gpr162	0.01350519	0.01209867	0.01211731	-1.86E-05	0.50408313	0.99999994
Sowahd	0.00042295	0.00036403	0.00038286	-1.88E-05	0.62829938	0.99999994
Klf8	0.00383008	0.00344016	0.00345904	-1.89E-05	0.51448785	0.99999994
Rufy4	0.00042287	0.0003639	0.00038279	-1.89E-05	0.62873736	0.99999994
Kank2	0.04471124	0.03927053	0.0392898	-1.93E-05	0.50130227	0.99999994
Gm43570	0.00070745	0.00062098	0.00064027	-1.93E-05	0.57944744	0.99999994
Sema6c	0.01315823	0.01178948	0.01180876	-1.93E-05	0.50433696	0.99999994
Grm4	0.00475281	0.00427011	0.0042897	-1.96E-05	0.5121254	0.99999994
Gm648	0.02626279	0.02334326	0.0233629	-1.96E-05	0.50223275	0.99999994
Adgrg2	0.00042152	0.00036158	0.00038157	-2.00E-05	0.63634748	0.99999994
Akr1c18	0.00075428	0.00066262	0.00068263	-2.00E-05	0.57736656	0.99999994
Gm43062	0.00166995	0.00149036	0.00151039	-2.00E-05	0.53516413	0.99999994
Gm26797	0.00570824	0.0051286	0.00514869	-2.01E-05	0.51035697	0.99999994
Rras	0.02272859	0.02024668	0.02026682	-2.01E-05	0.50263976	0.99999994

Zfp870	0.01930032	0.01722934	0.0172495	-2.02E-05	0.50310324	0.99999994
Gm20383	0.00042125	0.00036112	0.00038133	-2.02E-05	0.63785703	0.99999994
Prkg1	0.00062303	0.00054354	0.00056391	-2.04E-05	0.59499995	0.99999994
Gm43000	0.00206135	0.00184307	0.00186389	-2.08E-05	0.52963144	0.99999994
Rel	0.00409871	0.00368008	0.00370097	-2.09E-05	0.51498024	0.99999994
Gm9970	0.0004203	0.00035948	0.00038046	-2.10E-05	0.64321411	0.99999994
Gm30074	0.0006926	0.00060583	0.00062684	-2.10E-05	0.58828568	0.99999994
Tppp	0.00150495	0.00134026	0.0013613	-2.10E-05	0.54097372	0.99999994
Ttc39d	0.00105332	0.00093174	0.00095308	-2.13E-05	0.55922417	0.99999994
Ceacam1	0.00709049	0.00636801	0.00638945	-2.14E-05	0.50891287	0.99999994
Tnf	0.00115064	0.00101955	0.00104107	-2.15E-05	0.55471453	0.99999994
Gm10814	0.00068796	0.00060097	0.00062264	-2.17E-05	0.59160216	0.99999994
Smim3	0.00281857	0.00252558	0.00254727	-2.17E-05	0.52259028	0.99999994
Dlx2	0.00041934	0.00035785	0.0003796	-2.17E-05	0.64851756	0.99999994
Bglap	0.00041934	0.00035785	0.0003796	-2.17E-05	0.64851756	0.99999994
Otx1	0.00041934	0.00035785	0.0003796	-2.17E-05	0.64851756	0.99999994
Tmem100	0.00075064	0.00065748	0.00067934	-2.19E-05	0.58479468	0.99999994
Tnfrsf18	0.00304869	0.00273287	0.0027548	-2.19E-05	0.52113355	0.99999994
Cdh24	0.00108651	0.00096106	0.00098309	-2.20E-05	0.55927141	0.99999994
Zc3h12b	0.00152561	0.00135794	0.00137997	-2.20E-05	0.54232659	0.99999994
A230060F14	0.00341059	0.00305893	0.00308106	-2.21E-05	0.51907155	0.99999994
Dlgap2	0.00130659	0.0011599	0.00118204	-2.21E-05	0.54960721	0.99999994
A630076J17F	0.00041802	0.00035559	0.0003784	-2.28E-05	0.65585164	0.99999994
Vcan	0.00287046	0.00257118	0.00259408	-2.29E-05	0.52342664	0.99999994
Cdx1	0.00120408	0.00106616	0.00108937	-2.32E-05	0.55640334	0.99999994
Ryr1	0.00213732	0.00190926	0.00193248	-2.32E-05	0.53187286	0.99999994
Zbtb8b	0.00859585	0.00771475	0.00773809	-2.33E-05	0.50801053	0.99999994
Gm26583	0.0004173	0.00035437	0.00037775	-2.34E-05	0.65978842	0.99999994
Tac2	0.00074926	0.00065457	0.00067809	-2.35E-05	0.59130657	0.99999994
Kif4	0.00299644	0.00268402	0.00270769	-2.37E-05	0.52320187	0.99999994

Aqp9	0.00083263	0.00072982	0.0007535	-2.37E-05	0.58286509	0.99999994
8430436N08	0.00041685	0.00035361	0.00037734	-2.37E-05	0.66225858	0.99999994
Ampd1	0.00041681	0.00035355	0.00037731	-2.38E-05	0.66246386	0.99999994
4930519P11I	0.00041677	0.00035348	0.00037727	-2.38E-05	0.66266905	0.99999994
Tmprss5	0.0035196	0.00315551	0.0031793	-2.38E-05	0.51986706	0.99999994
Satb2	0.00041655	0.0003531	0.00037707	-2.40E-05	0.66389836	0.99999994
Ccdc150	0.00041644	0.00035291	0.00037697	-2.41E-05	0.66451183	0.99999994
Atp12a	0.00041625	0.00035259	0.0003768	-2.42E-05	0.66553253	0.99999994
Dlk2	0.00041625	0.00035259	0.0003768	-2.42E-05	0.66553253	0.99999994
Samd11	0.00130503	0.00115616	0.00118063	-2.45E-05	0.55485064	0.99999994
Zfp583	0.0224887	0.02003163	0.02005614	-2.45E-05	0.50324506	0.99999994
Chst13	0.00212562	0.00189727	0.00192192	-2.47E-05	0.53402198	0.99999994
Fat4	0.0136512	0.01222224	0.01224711	-2.49E-05	0.50539148	0.99999994
Tinag	0.0053987	0.00484558	0.00487052	-2.49E-05	0.51359271	0.99999994
Zfp941	0.0087485	0.00784975	0.0078747	-2.50E-05	0.5084134	0.99999994
Lrrc34	0.00261164	0.0023356	0.00236059	-2.50E-05	0.52808295	0.99999994
Gm15396	0.00041521	0.00035082	0.00037585	-2.50E-05	0.6712079	0.99999994
Ovgp1	0.00078812	0.00068819	0.00071324	-2.50E-05	0.59240096	0.99999994
Slurp1	0.00134794	0.00119426	0.00121941	-2.51E-05	0.55458733	0.99999994
Wwtr1	0.01611018	0.01440409	0.01442925	-2.52E-05	0.50463026	0.99999994
Dyrk4	0.00041494	0.00035038	0.00037562	-2.52E-05	0.67261597	0.99999994
Tmem174	0.00041494	0.00035038	0.00037562	-2.52E-05	0.67261597	0.99999994
4930509E16I	0.00067612	0.00058668	0.00061193	-2.53E-05	0.60821493	0.99999994
Uhrf1	0.01185169	0.01062025	0.0106456	-2.53E-05	0.50632239	0.99999994
Gm14391	0.00341574	0.00306032	0.00308571	-2.54E-05	0.5218356	0.99999994
Cldn18	0.0011527	0.00101748	0.00104293	-2.54E-05	0.5645111	0.99999994
Cybrd1	0.00068501	0.00059441	0.00061998	-2.56E-05	0.60813689	0.99999994
C530043A13	0.00041446	0.00034957	0.00037518	-2.56E-05	0.67521951	0.99999994
Sox15	0.00041446	0.00034957	0.00037518	-2.56E-05	0.67521951	0.99999994
Cep112os1	0.00085966	0.00075226	0.00077795	-2.57E-05	0.58699093	0.99999994

Gm4755	0.00071701	0.00062306	0.00064892	-2.59E-05	0.60458901	0.99999994
Gm26631	0.00540914	0.00485397	0.0048799	-2.59E-05	0.51410715	0.99999994
Gm9797	0.00041402	0.00034882	0.00037478	-2.60E-05	0.67760955	0.99999994
Gm15998	0.0004138	0.00034845	0.00037458	-2.61E-05	0.67879981	0.99999994
1700065D16	0.0012194	0.00107709	0.00110323	-2.61E-05	0.56264826	0.99999994
Gm12576	0.02149901	0.01915965	0.01918623	-2.66E-05	0.50367915	0.99999994
Hal	0.00062751	0.00054118	0.00056795	-2.68E-05	0.62317553	0.99999994
Fam151b	0.00150839	0.0013374	0.00136442	-2.70E-05	0.55242655	0.99999994
Slc1a5	0.01172918	0.01050934	0.01053643	-2.71E-05	0.50682654	0.99999994
Gm9725	0.00041251	0.00034628	0.00037341	-2.71E-05	0.68567951	0.99999994
1700039M1C	0.00300295	0.00268639	0.00271356	-2.72E-05	0.52656576	0.99999994
Dgkz	0.09456037	0.08041929	0.08044653	-2.72E-05	0.50089919	0.99999994
Mrap	0.00078563	0.00068373	0.00071099	-2.73E-05	0.60069817	0.99999994
Gm5160	0.00399476	0.00358007	0.00360736	-2.73E-05	0.52008506	0.99999994
Fgf13	0.00041203	0.00034548	0.00037298	-2.75E-05	0.68820721	0.99999994
Dync1i1	0.00705108	0.00632654	0.00635411	-2.76E-05	0.51152076	0.99999994
Gbp3	0.00041181	0.00034511	0.00037278	-2.77E-05	0.68936879	0.99999994
Mobp	0.00041181	0.00034511	0.00037278	-2.77E-05	0.68936879	0.99999994
Arsk	0.06398791	0.05549464	0.05552236	-2.77E-05	0.50132583	0.99999994
Ppcs	0.24748086	0.18697334	0.18700119	-2.79E-05	0.50039554	0.99999994
Tmeff2	0.00083381	0.00072658	0.00075456	-2.80E-05	0.59747702	0.99999994
Fam161a	0.01018162	0.00912776	0.0091558	-2.80E-05	0.50813301	0.99999994
2810442N19	0.00041104	0.00034383	0.00037209	-2.83E-05	0.69340919	0.99999994
Crb2	0.00079127	0.00068773	0.00071609	-2.84E-05	0.60395708	0.99999994
Tmco4	0.00598665	0.00537033	0.00539878	-2.85E-05	0.51399513	0.99999994
Pla2g4c	0.00095498	0.00083559	0.00086415	-2.86E-05	0.58707357	0.99999994
Soat2	0.00083191	0.00072428	0.00075285	-2.86E-05	0.59973441	0.99999994
Sp8	0.0004105	0.00034292	0.00037159	-2.87E-05	0.69627125	0.99999994
Gm43140	0.00041024	0.00034249	0.00037136	-2.89E-05	0.69760004	0.99999994
A930012L18I	0.00106381	0.00093369	0.00096256	-2.89E-05	0.57913756	0.99999994

Cdh5	0.00157884	0.00139916	0.00142807	-2.89E-05	0.55359323	0.99999994
Car7	0.00110503	0.00097086	0.00099983	-2.90E-05	0.57646145	0.99999994
C1qtnf9	0.0004101	0.00034225	0.00037123	-2.90E-05	0.6983574	0.99999994
Slamf9	0.00041006	0.00034219	0.0003712	-2.90E-05	0.69854652	0.99999994
Cbln1	0.00142421	0.00125916	0.00128835	-2.92E-05	0.55992765	0.99999994
Myoz1	0.00040938	0.00034104	0.00037058	-2.95E-05	0.7021229	0.99999994
Gm26634	0.00040938	0.00034104	0.00037058	-2.95E-05	0.7021229	0.99999994
Hpcal4	0.00040919	0.00034074	0.00037041	-2.97E-05	0.70305873	0.99999994
Unc93a	0.00040919	0.00034074	0.00037041	-2.97E-05	0.70305873	0.99999994
Mro	0.00040919	0.00034074	0.00037041	-2.97E-05	0.70305873	0.99999994
Ccdc69	0.00079981	0.00069413	0.00072382	-2.97E-05	0.60757882	0.99999994
Mecomos	0.0004088	0.00034008	0.00037005	-3.00E-05	0.70510975	0.99999994
Tmem221	0.0058619	0.00525675	0.00528673	-3.00E-05	0.515057	0.99999994
Prokr1	0.00060373	0.00051612	0.00054644	-3.03E-05	0.64402191	0.99999994
Kcng2	0.0008516	0.00074035	0.00077066	-3.03E-05	0.60326994	0.99999994
Magix	0.00040829	0.00033924	0.0003696	-3.04E-05	0.70770461	0.99999994
Xcr1	0.00040829	0.00033924	0.0003696	-3.04E-05	0.70770461	0.99999994
Muc13	0.00085452	0.00074271	0.0007733	-3.06E-05	0.60386646	0.99999994
Upk2	0.0004079	0.00033859	0.00036924	-3.07E-05	0.70973124	0.99999994
Trpc6	0.00040765	0.00033817	0.00036901	-3.08E-05	0.71101533	0.99999994
Plce1	0.00249272	0.00222205	0.00225328	-3.12E-05	0.53675857	0.99999994
Axl	0.00205248	0.00182464	0.00185589	-3.13E-05	0.54462143	0.99999994
Rps6ka5	0.01732	0.01546894	0.01550021	-3.13E-05	0.50535684	0.99999994
Ackr1	0.00074599	0.00064334	0.00067513	-3.18E-05	0.62304962	0.99999994
Gm37933	0.00121853	0.00107059	0.00110244	-3.18E-05	0.57624714	0.99999994
Gm15892	0.00288902	0.00257876	0.00261081	-3.20E-05	0.53256095	0.99999994
Gm20635	0.00119406	0.00104824	0.00108031	-3.21E-05	0.57832837	0.99999994
Atp7b	0.00237263	0.00211253	0.0021449	-3.24E-05	0.540014	0.99999994
Ly6g6c	0.00040558	0.00033475	0.00036715	-3.24E-05	0.7214881	0.99999994
Pdzph1	0.00040558	0.00033475	0.00036715	-3.24E-05	0.7214881	0.99999994

Gm11733	0.0013591	0.00119702	0.0012295	-3.25E-05	0.56978498	0.99999994
Arntl2	0.00170707	0.00151127	0.00154392	-3.26E-05	0.55596044	0.99999994
Cd200r1	0.00040505	0.00033388	0.00036667	-3.28E-05	0.72414819	0.99999994
Bnc2	0.00107534	0.00094019	0.00097298	-3.28E-05	0.58874936	0.99999994
Srpk3	0.00201382	0.00178797	0.00182097	-3.30E-05	0.54800401	0.99999994
2310047D07	0.00176894	0.00156678	0.00159981	-3.30E-05	0.55465564	0.99999994
Gm26692	0.00085059	0.00073651	0.00076974	-3.32E-05	0.61307803	0.99999994
Ppp3r2	0.00040435	0.00033272	0.00036603	-3.33E-05	0.72766415	0.99999994
4930563E18	0.00040421	0.00033249	0.0003659	-3.34E-05	0.72836311	0.99999994
Slco4c1	0.00040417	0.00033243	0.00036587	-3.34E-05	0.72853763	0.99999994
4732471J01F	0.00084879	0.00073456	0.00076811	-3.35E-05	0.61437475	0.99999994
Bard1	0.0017148	0.00151733	0.00155091	-3.36E-05	0.55729281	0.99999994
Mustn1	0.00068063	0.00058198	0.00061601	-3.40E-05	0.64345639	0.99999994
Hmga1	0.01053191	0.00943407	0.00946856	-3.45E-05	0.50967247	0.99999994
Rftn2	0.00077773	0.00066929	0.00070384	-3.46E-05	0.6280914	0.99999994
Gm42901	0.00040242	0.00032956	0.00036428	-3.47E-05	0.73715182	0.99999994
Ryr2	0.00072798	0.000624	0.00065884	-3.48E-05	0.63757824	0.99999994
D630003M21	0.00619582	0.00555172	0.00558663	-3.49E-05	0.51658978	0.99999994
Ovol2	0.19220128	0.15149243	0.15152745	-3.50E-05	0.50061371	0.99999994
Tead4	0.00168395	0.00148781	0.00152304	-3.52E-05	0.56117519	0.99999994
Gm15675	0.00040173	0.00032842	0.00036366	-3.52E-05	0.74053626	0.99999994
Slc5a5	0.00064333	0.00054697	0.00058227	-3.53E-05	0.65673723	0.99999994
Hmcn2	0.00513045	0.00459376	0.00462935	-3.56E-05	0.52040497	0.99999994
Txk	0.00056797	0.0004784	0.00051409	-3.57E-05	0.67800116	0.99999994
2700069I18R	0.00040096	0.00032717	0.00036297	-3.58E-05	0.74421889	0.99999994
Apol9b	0.00080222	0.00069014	0.000726	-3.59E-05	0.62883206	0.99999994
Fgf3	0.00040086	0.000327	0.00036287	-3.59E-05	0.74471781	0.99999994
Cebpa	0.00427557	0.00382421	0.00386021	-3.60E-05	0.52474904	0.99999994
Gpr3	0.00084117	0.00072511	0.00076122	-3.61E-05	0.62391355	0.99999994
Slc25a45	0.00169718	0.00149868	0.00153499	-3.63E-05	0.56255148	0.99999994

Hk1	0.00127293	0.00111507	0.00115161	-3.65E-05	0.58364515	0.99999994
Tmem232	0.00039962	0.00032498	0.00036175	-3.68E-05	0.75064402	0.99999994
Pkia	0.01491666	0.01333407	0.0133371	-3.69E-05	0.50733466	0.99999994
Gm13620	0.00204101	0.00180853	0.00184553	-3.70E-05	0.553076	0.99999994
P2rx7	0.000399	0.00032398	0.00036119	-3.72E-05	0.75356518	0.99999994
Megf10	0.0003988	0.00032365	0.00036101	-3.74E-05	0.7545327	0.99999994
Gm16230	0.00488803	0.00437398	0.00441133	-3.74E-05	0.52247679	0.99999994
Il4i1	0.00107744	0.00093718	0.00097488	-3.77E-05	0.60157448	0.99999994
Slc6a12	0.00039825	0.00032276	0.00036051	-3.77E-05	0.75709767	0.99999994
Tbx21	0.00039825	0.00032276	0.00036051	-3.77E-05	0.75709767	0.99999994
Gm37336	0.00039805	0.00032243	0.00036033	-3.79E-05	0.75805388	0.99999994
Ugt3a1	0.00039801	0.00032238	0.0003603	-3.79E-05	0.75821295	0.99999994
9430097D07	0.0003974	0.00032139	0.00035974	-3.84E-05	0.76106161	0.99999994
A830092H15	0.0003974	0.00032139	0.00035974	-3.84E-05	0.76106161	0.99999994
Prss57	0.0003974	0.00032139	0.00035974	-3.84E-05	0.76106161	0.99999994
Gm37748	0.00125261	0.00109475	0.00113324	-3.85E-05	0.58942958	0.99999994
Mpp4	0.0003972	0.00032106	0.00035956	-3.85E-05	0.76200503	0.99999994
Slc6a7	0.0003972	0.00032106	0.00035956	-3.85E-05	0.76200503	0.99999994
Uprt	0.01035885	0.00927547	0.00931407	-3.86E-05	0.51100314	0.99999994
6430710C18I	0.00173095	0.00152634	0.00156549	-3.92E-05	0.56610573	0.99999994
Prss35	0.002218	0.00196603	0.00200533	-3.93E-05	0.55189576	0.99999994
Gm13344	0.00058383	0.00048899	0.00052843	-3.94E-05	0.69034811	0.99999994
Pou2f2	0.0054727	0.00489759	0.00493703	-3.94E-05	0.52120592	0.99999994
Ldb2	0.00081448	0.00069762	0.00073708	-3.95E-05	0.63923021	0.99999994
Abca8a	0.00061996	0.00052153	0.00056112	-3.96E-05	0.68067172	0.99999994
Colec12	0.00190223	0.00168056	0.0017202	-3.96E-05	0.56094408	0.99999994
Gm13012	0.00039558	0.00031844	0.00035809	-3.96E-05	0.76944257	0.99999994
Wfdc17	0.00163063	0.00143519	0.00147487	-3.97E-05	0.57105402	0.99999994
Gm16372	0.00039531	0.00031801	0.00035785	-3.98E-05	0.77066328	0.99999994
1700028J19F	0.01280574	0.01145443	0.01149516	-4.07E-05	0.50940948	0.99999994

Galnt2	0.0011736	0.00102104	0.00106182	-4.08E-05	0.60088025	0.99999994
Inpp5d	0.00039387	0.0003157	0.00035655	-4.08E-05	0.77713282	0.99999994
Cdh19	0.00083357	0.00071337	0.00075435	-4.10E-05	0.64117881	0.99999994
Sphk2	0.17971644	0.14302397	0.14306501	-4.10E-05	0.50076162	0.99999994
Gm16958	0.00039354	0.00031517	0.00035625	-4.11E-05	0.77861532	0.99999994
Galnt15	0.00039354	0.00031517	0.00035625	-4.11E-05	0.77861532	0.99999994
Spata32	0.00039354	0.00031517	0.00035625	-4.11E-05	0.77861532	0.99999994
Pnma3	0.00039351	0.00031512	0.00035622	-4.11E-05	0.77876311	0.99999994
Gm26822	0.00039344	0.00031501	0.00035616	-4.11E-05	0.77905845	0.99999994
Flt4	0.00039255	0.00031358	0.00035535	-4.18E-05	0.78301325	0.99999994
Stx17	0.09468121	0.08050123	0.08054311	-4.19E-05	0.50138071	0.99999994
Prok2	0.00063381	0.00053176	0.00057366	-4.19E-05	0.68656946	0.99999994
1700056N10	0.00154692	0.00135731	0.00139923	-4.19E-05	0.5790243	0.99999994
Tlr5	0.00058142	0.00048431	0.00052625	-4.19E-05	0.7021421	0.99999994
Zbp1	0.00436649	0.0039001	0.00394205	-4.19E-05	0.52823412	0.99999994
Adcy2	0.00084061	0.00071871	0.00076072	-4.20E-05	0.64339143	0.99999994
Cyt11	0.00083728	0.00071547	0.00075771	-4.22E-05	0.64468908	0.99999994
Gbx2	0.00039169	0.00031221	0.00035457	-4.24E-05	0.78676502	0.99999994
Nol11	0.21592611	0.16710004	0.1671424	-4.24E-05	0.50067303	0.99999994
Ccl12	0.00136072	0.00118835	0.00123096	-4.26E-05	0.59111198	0.99999994
Acpp	0.00299535	0.00266406	0.00270671	-4.27E-05	0.54176726	0.99999994
Slc27a2	0.00101099	0.00087174	0.0009148	-4.31E-05	0.62297917	0.99999994
Pnlnc1	0.00039025	0.00030991	0.00035327	-4.34E-05	0.79298898	0.99999994
Gm12951	0.00038995	0.00030945	0.000353	-4.36E-05	0.79424283	0.99999994
Twist2	0.00038989	0.00030934	0.00035294	-4.36E-05	0.79452058	0.99999994
Mss51	0.00794581	0.00711236	0.00715607	-4.37E-05	0.51621403	0.99999994
Grip1os3	0.00038969	0.00030903	0.00035276	-4.37E-05	0.79535191	0.99999994
Gm10767	0.00947413	0.00847987	0.00852367	-4.38E-05	0.51364433	0.99999994
Gm37359	0.00038953	0.00030878	0.00035262	-4.38E-05	0.79604248	0.99999994
Ano9	0.01053819	0.00943007	0.00947417	-4.41E-05	0.5123594	0.99999994

Atp2a1	0.00128124	0.00111486	0.00115913	-4.43E-05	0.60033229	0.99999994
Pcdhgc3	0.00080202	0.00068144	0.00072581	-4.44E-05	0.65796999	0.99999994
Spef2	0.00257452	0.00228248	0.00232709	-4.46E-05	0.55077361	0.99999994
Ankrd26	0.08338245	0.07140281	0.07144753	-4.47E-05	0.5016621	0.99999994
Gm15690	0.00079992	0.00067911	0.00072392	-4.48E-05	0.65981772	0.99999994
Itgal	0.00114849	0.00099398	0.00103912	-4.51E-05	0.61378185	0.99999994
Gpc5	0.00082441	0.00070078	0.00074607	-4.53E-05	0.65693018	0.99999994
Itga10	0.00064534	0.00053865	0.00058408	-4.54E-05	0.69768604	0.99999994
Adra2b	0.00038704	0.00030485	0.00035037	-4.55E-05	0.8064274	0.99999994
Gm28043	0.00038656	0.00030409	0.00034993	-4.58E-05	0.8083964	0.99999994
Nxn1	0.00083558	0.0007103	0.00075617	-4.59E-05	0.6568004	0.99999994
Cd5	0.00433066	0.00386388	0.0039098	-4.59E-05	0.53115475	0.99999994
AA467197	0.00038621	0.00030354	0.00034961	-4.61E-05	0.80982926	0.99999994
Ccdc187	0.00126615	0.00109916	0.00114548	-4.63E-05	0.60610256	0.99999994
Nyx	0.00064061	0.00053339	0.00057981	-4.64E-05	0.70297117	0.99999994
Tmprss7	0.00609366	0.00544824	0.00549489	-4.66E-05	0.52253146	0.99999994
Hao2	0.00161611	0.00141505	0.00146175	-4.67E-05	0.58419667	0.99999994
Smim18	0.00171254	0.00150216	0.00154886	-4.67E-05	0.57952754	0.99999994
Zfp85	0.01574928	0.01406237	0.01410943	-4.71E-05	0.50885586	0.99999994
Dusp15	0.00300223	0.00266559	0.00271291	-4.73E-05	0.54621541	0.99999994
Fam124a	0.0012614	0.00109377	0.00114119	-4.74E-05	0.60894622	0.99999994
Card11	0.00074316	0.00062513	0.00067258	-4.75E-05	0.68068197	0.99999994
Hcar2	0.00038405	0.00030015	0.00034766	-4.75E-05	0.81848145	0.99999994
Cacng5	0.00038405	0.00030015	0.00034766	-4.75E-05	0.81848145	0.99999994
1700041G16	0.00124135	0.0010754	0.00112307	-4.77E-05	0.61124206	0.99999994
Smpd5	0.00420708	0.00375076	0.00379854	-4.78E-05	0.53336593	0.99999994
Gm10069	0.0101042	0.0090385	0.00908666	-4.82E-05	0.51406964	0.99999994
Runx1	0.00262803	0.00232701	0.00237538	-4.84E-05	0.55391257	0.99999994
Mccc1os	0.00038257	0.00029784	0.00034632	-4.85E-05	0.82425808	0.99999994
Gjc2	0.0006028	0.00049708	0.0005456	-4.85E-05	0.72305021	0.99999994

Hhatl	0.00038188	0.00029677	0.0003457	-4.89E-05	0.82690588	0.99999994
Casq2	0.00080088	0.00067576	0.00072479	-4.90E-05	0.67373801	0.99999994
Slc39a12	0.00038154	0.00029624	0.00034539	-4.91E-05	0.82821648	0.99999994
D030055H07	0.0008214	0.00069408	0.00074335	-4.93E-05	0.67045874	0.99999994
Tnfrsf8	0.0003812	0.00029571	0.00034508	-4.94E-05	0.82951828	0.99999994
Tmprss11a	0.0003812	0.00029571	0.00034508	-4.94E-05	0.82951828	0.99999994
Impg2	0.0018453	0.00161933	0.00166878	-4.95E-05	0.57818385	0.99999994
Dgat2l6	0.00038092	0.00029528	0.00034482	-4.95E-05	0.83057687	0.99999994
Clca3b	0.00038092	0.00029528	0.00034482	-4.95E-05	0.83057687	0.99999994
Insc	0.00277221	0.00245566	0.00250545	-4.98E-05	0.55261114	0.99999994
Apoo-ps	0.01120966	0.01002344	0.01007327	-4.98E-05	0.51313392	0.99999994
Il12rb1	0.00201508	0.00177187	0.00182212	-5.02E-05	0.57281688	0.99999994
Fbxl21	0.00824605	0.00737465	0.00742496	-5.03E-05	0.51798466	0.99999994
Ccdc170	0.00037925	0.0002927	0.00034331	-5.06E-05	0.83680639	0.99999994
Thbs2	0.00148433	0.00129204	0.00134267	-5.06E-05	0.59909994	0.99999994
Aspm	0.00201525	0.00177156	0.00182227	-5.07E-05	0.57347274	0.99999994
Gm12860	0.00211506	0.00186164	0.00191239	-5.08E-05	0.57011073	0.99999994
Agbl4	0.00751149	0.00671604	0.00676691	-5.09E-05	0.51995367	0.99999994
4933405D12	0.0006468	0.00053452	0.00058541	-5.09E-05	0.71857024	0.99999994
Parvg	0.00037873	0.00029189	0.00034284	-5.10E-05	0.83872473	0.99999994
Cxcl3	0.00037873	0.00029189	0.00034284	-5.10E-05	0.83872473	0.99999994
Ly6d	0.00078887	0.00066281	0.00071393	-5.11E-05	0.68315462	0.99999994
Esrrg	0.00488749	0.00435954	0.00441085	-5.13E-05	0.53085841	0.99999994
Npc111	0.00100857	0.00086124	0.00091261	-5.14E-05	0.64604799	0.99999994
Ltf	0.00080561	0.00067766	0.00072907	-5.14E-05	0.68058851	0.99999994
C1ql2	0.00037793	0.00029067	0.00034212	-5.15E-05	0.84161956	0.99999994
Gm44096	0.00037793	0.00029067	0.00034212	-5.15E-05	0.84161956	0.99999994
C1qtnf2	0.00060877	0.00049953	0.000551	-5.15E-05	0.73295968	0.99999994
Trem14	0.00037757	0.0002901	0.00034179	-5.17E-05	0.84293982	0.99999994
Arhgap15	0.00037735	0.00028978	0.0003416	-5.18E-05	0.84370539	0.99999994

Gm14410	0.00500335	0.00446322	0.00451505	-5.18E-05	0.53045246	0.99999994
Gbp9	0.00037681	0.00028894	0.0003411	-5.22E-05	0.84565858	0.99999994
Slc6a13	0.00755042	0.00674939	0.0068018	-5.24E-05	0.5204523	0.99999994
Ush1g	0.01081428	0.00966813	0.00972057	-5.24E-05	0.51432168	0.99999994
Myom1	0.00037617	0.00028796	0.00034053	-5.26E-05	0.84790942	0.99999994
Ccdc3	0.00037611	0.00028787	0.00034047	-5.26E-05	0.84812223	0.99999994
Fam186b	0.00037611	0.00028787	0.00034047	-5.26E-05	0.84812223	0.99999994
Il33	0.00037611	0.00028787	0.00034047	-5.26E-05	0.84812223	0.99999994
Cnga1	0.00067659	0.00055974	0.00061236	-5.26E-05	0.71633089	0.99999994
Mab21l2	0.00037593	0.00028759	0.00034031	-5.27E-05	0.84875905	0.99999994
Scrg1	0.00037593	0.00028759	0.00034031	-5.27E-05	0.84875905	0.99999994
Kbtbd6	0.00063852	0.00052513	0.00057792	-5.28E-05	0.72839677	0.99999994
Xlr5a	0.0033622	0.00298462	0.00303745	-5.28E-05	0.54608863	0.99999994
Mst1	0.00283961	0.00251293	0.00256624	-5.33E-05	0.5549942	0.99999994
Rnf183	0.00037485	0.00028594	0.00033933	-5.34E-05	0.85252937	0.99999994
Prrg4	0.00693255	0.00619421	0.0062478	-5.36E-05	0.52276527	0.99999994
Cdh11	0.00282288	0.00249713	0.00255115	-5.40E-05	0.55604689	0.99999994
E030037K01l	0.0007158	0.00059347	0.00064783	-5.44E-05	0.71176492	0.99999994
Rarb	0.00148388	0.0012879	0.00134227	-5.44E-05	0.60628252	0.99999994
Tepp	0.00104599	0.00089206	0.00094645	-5.44E-05	0.64894626	0.99999994
Gm42567	0.00061003	0.00049775	0.00055214	-5.44E-05	0.74399705	0.99999994
Cd19	0.00062687	0.00051275	0.00056738	-5.46E-05	0.73920222	0.99999994
Fgr	0.00037255	0.00028244	0.00033725	-5.48E-05	0.86030804	0.99999994
Gm26981	0.01626675	0.01451311	0.01456795	-5.48E-05	0.50999525	0.99999994
Slc9c1	0.0003724	0.00028222	0.00033712	-5.49E-05	0.86079995	0.99999994
Tbx15	0.00124336	0.00106988	0.00112488	-5.50E-05	0.6275905	0.99999994
Ttk	0.00116917	0.00100278	0.00105781	-5.50E-05	0.63544682	0.99999994
Tcf21	0.00115267	0.00098784	0.0010429	-5.51E-05	0.63737493	0.99999994
Rgn	0.01572791	0.01403529	0.01409049	-5.52E-05	0.51040067	0.99999994
Pcdh12	0.0006204	0.00050626	0.00056152	-5.53E-05	0.74378268	0.99999994

Gm3512	0.00037178	0.00028128	0.00033655	-5.53E-05	0.86284863	0.99999994
Npm2	0.00186964	0.00163544	0.00169077	-5.53E-05	0.58621541	0.99999994
Lpar4	0.00177859	0.00155294	0.00160853	-5.56E-05	0.59096344	0.99999994
Pcdhb15	0.00449882	0.00400554	0.00406115	-5.56E-05	0.53631466	0.99999994
Gm17134	0.00082331	0.00068942	0.00074508	-5.57E-05	0.69049596	0.99999994
Otc	0.00037078	0.00027977	0.00033565	-5.59E-05	0.8661069	0.99999994
Frmpd1os	0.00037078	0.00027977	0.00033565	-5.59E-05	0.8661069	0.99999994
Espl1	0.00082304	0.00068891	0.00074483	-5.59E-05	0.69136619	0.99999994
A230020J21F	0.00084755	0.00071094	0.000767	-5.61E-05	0.68670863	0.99999994
9530052C20I	0.00037046	0.00027928	0.00033536	-5.61E-05	0.86714569	0.99999994
Slc36a2	0.00037046	0.00027928	0.00033536	-5.61E-05	0.86714569	0.99999994
Zap70	0.00354775	0.00314852	0.00320467	-5.62E-05	0.54642633	0.99999994
Itgb1bp2	0.00109728	0.00093666	0.00099282	-5.62E-05	0.6467269	0.99999994
Ihh	0.00037011	0.00027875	0.00033504	-5.63E-05	0.86827044	0.99999994
Corin	0.00037011	0.00027875	0.00033504	-5.63E-05	0.86827044	0.99999994
Gm5145	0.00037011	0.00027875	0.00033504	-5.63E-05	0.86827044	0.99999994
C430042M11	0.0031336	0.00277489	0.00283137	-5.65E-05	0.55281369	0.99999994
Gkn3	0.00036947	0.00027779	0.00033446	-5.67E-05	0.87030966	0.99999994
Car15	0.00036947	0.00027779	0.00033446	-5.67E-05	0.87030966	0.99999994
Dpy19l1	0.01396895	0.01247281	0.01252949	-5.67E-05	0.51201127	0.99999994
Fam90a1b	0.00036926	0.00027748	0.00033428	-5.68E-05	0.87095236	0.99999994
Hmmr	0.0061078	0.00545063	0.00550759	-5.70E-05	0.52744114	0.99999994
Col6a5	0.00222917	0.00195834	0.00201541	-5.71E-05	0.57474916	0.99999994
Gm16098	0.00036822	0.00027592	0.00033333	-5.74E-05	0.87421129	0.99999994
Defb42	0.00081129	0.00067659	0.0007342	-5.76E-05	0.69925111	0.99999994
Gm15612	0.00036773	0.00027518	0.00033289	-5.77E-05	0.87572354	0.99999994
Rtp3	0.00036773	0.00027518	0.00033289	-5.77E-05	0.87572354	0.99999994
Kif24	0.00137836	0.00118914	0.00124691	-5.78E-05	0.62109798	0.99999994
Car5a	0.00154304	0.00133775	0.00139573	-5.80E-05	0.60891835	0.99999994
Gpat2	0.00187599	0.00163837	0.00169651	-5.81E-05	0.59021459	0.99999994

Gm44317	0.00036692	0.00027398	0.00033216	-5.82E-05	0.87817747	0.99999994
Apol10b	0.00036692	0.00027398	0.00033216	-5.82E-05	0.87817747	0.99999994
Pax2	0.00036664	0.00027355	0.0003319	-5.83E-05	0.87904288	0.99999994
Gm15879	0.00120026	0.00102745	0.00108593	-5.85E-05	0.63999589	0.99999994
Gabrd	0.00113322	0.00096672	0.00102532	-5.86E-05	0.64818975	0.99999994
Adtrp	0.00158193	0.00137218	0.00143086	-5.87E-05	0.6075753	0.99999994
Adgrl2	0.00862828	0.00770841	0.00776712	-5.87E-05	0.52006396	0.99999994
Prdm9	0.00513753	0.00457683	0.00463571	-5.89E-05	0.53368843	0.99999994
BC034090	0.00383137	0.00340131	0.0034602	-5.89E-05	0.54510347	0.99999994
Gmcl1	0.20730455	0.16147878	0.16153768	-5.89E-05	0.50096826	0.99999994
Gm10010	0.00122363	0.00104812	0.00110705	-5.89E-05	0.63846048	0.99999994
Cmtr1	0.01279164	0.01142325	0.01148261	-5.94E-05	0.51372491	0.99999994
Grik5	0.05396264	0.04707214	0.0471315	-5.94E-05	0.50334468	0.99999994
Jakmip3	0.0008184	0.00068125	0.00074063	-5.94E-05	0.70320489	0.99999994
Gm4767	0.00081847	0.00068128	0.00074069	-5.94E-05	0.70330605	0.99999994
Map7d1	0.12935076	0.10706697	0.10712644	-5.95E-05	0.50147399	0.99999994
Depdc7	0.0044447	0.00395288	0.00401244	-5.96E-05	0.53935697	0.99999994
Lhfpl1	0.00256561	0.0022594	0.00231906	-5.97E-05	0.56797773	0.99999994
Gm6878	0.00114903	0.00097973	0.00103961	-5.99E-05	0.64928967	0.99999994
Lrrd1	0.00108505	0.00092184	0.00098176	-5.99E-05	0.6577386	0.99999994
Zfp114	0.00832905	0.00743934	0.00749927	-5.99E-05	0.52121277	0.99999994
Gm13496	0.0019345	0.00168936	0.00174934	-6.00E-05	0.59026875	0.99999994
Letm2	0.03100634	0.02743548	0.02749549	-6.00E-05	0.5057961	0.99999994
Kcnab3os	0.00237341	0.00208538	0.00214561	-6.02E-05	0.57410581	0.99999994
Slc23a3	0.00036332	0.00026862	0.00032889	-6.03E-05	0.88874996	0.99999994
Tex12	0.00036332	0.00026862	0.00032889	-6.03E-05	0.88874996	0.99999994
Dusp27	0.00036323	0.00026849	0.00032882	-6.03E-05	0.88898896	0.99999994
Rec8	0.00616542	0.00549894	0.00555933	-6.04E-05	0.52882212	0.99999994
Fkbp1b	0.27425241	0.2030103	0.20307097	-6.07E-05	0.50079344	0.99999994
4930408O17	0.0005421	0.00042963	0.00049068	-6.10E-05	0.79620339	0.99999994

Hsd11b1	0.00075961	0.00062639	0.00068746	-6.11E-05	0.72285639	0.99999994
Gm3411	0.00117683	0.00100364	0.00106474	-6.11E-05	0.64875373	0.99999994
Adamts4	0.00066841	0.00054372	0.00060496	-6.12E-05	0.74976937	0.99999994
Dysf	0.00273661	0.00241183	0.00247333	-6.15E-05	0.56573361	0.99999994
Adamts8	0.00036097	0.00026516	0.00032677	-6.16E-05	0.89526189	0.99999994
Camkv	0.00036097	0.00026516	0.00032677	-6.16E-05	0.89526189	0.99999994
Gm17276	0.00059844	0.00047988	0.00054166	-6.18E-05	0.77611158	0.99999994
Gm26590	0.00114714	0.00097602	0.0010379	-6.19E-05	0.65427535	0.99999994
Cd160	0.00036036	0.00026427	0.00032622	-6.20E-05	0.89690684	0.99999994
Gm29629	0.00036009	0.00026386	0.00032597	-6.21E-05	0.89764641	0.99999994
Tspan2os	0.0017316	0.00150378	0.00156608	-6.23E-05	0.60441443	0.99999994
Spag16	0.00123118	0.00105156	0.00111387	-6.23E-05	0.64518592	0.99999994
Cep112	0.02745232	0.02433936	0.02440169	-6.23E-05	0.50678266	0.99999994
Slc34a1	0.00118093	0.00100576	0.00106844	-6.27E-05	0.65193329	0.99999994
Tyro3	0.00687504	0.00613344	0.00619622	-6.28E-05	0.526882	0.99999994
Tfr2	0.00201189	0.00175635	0.00181923	-6.29E-05	0.59098331	0.99999994
Mcoln2	0.0003583	0.00026125	0.00032436	-6.31E-05	0.90233209	0.99999994
Pparg	0.00073933	0.00060574	0.00066911	-6.34E-05	0.73578895	0.99999994
Zbtb1	0.06001829	0.05214962	0.05221306	-6.34E-05	0.50322641	0.99999994
Csgalnact1	0.00035759	0.00026022	0.00032371	-6.35E-05	0.90414852	0.99999994
Sbk2	0.00096914	0.00081327	0.00087696	-6.37E-05	0.68559362	0.99999994
Sp110	0.00065216	0.00052649	0.00059025	-6.38E-05	0.76395609	0.99999994
Grap	0.00071365	0.0005821	0.00064588	-6.38E-05	0.74450079	0.99999994
Gckr	0.00151277	0.00130455	0.00136837	-6.38E-05	0.62188293	0.99999994
Mc1r	0.00081166	0.00067063	0.00073454	-6.39E-05	0.71874995	0.99999994
Col8a1	0.0003564	0.00025849	0.00032264	-6.41E-05	0.90714915	0.99999994
Slamf7	0.00076227	0.00062563	0.00068986	-6.42E-05	0.73229273	0.99999994
Tnfrsf4	0.00196962	0.00171679	0.00178106	-6.43E-05	0.59490388	0.99999994
Steap3	0.00136472	0.00117027	0.00123458	-6.43E-05	0.63559327	0.99999994
Ntf5	0.00302785	0.00267167	0.00273602	-6.44E-05	0.5622024	0.99999994

Fam131c	0.00125285	0.00106895	0.00113346	-6.45E-05	0.64759051	0.99999994
Apbb1ip	0.00035557	0.00025728	0.00032188	-6.46E-05	0.90920899	0.99999994
Wnt9b	0.00035553	0.00025689	0.00032164	-6.47E-05	0.90986404	0.99999994
Nsg1	0.02211119	0.01965966	0.01972445	-6.48E-05	0.50872185	0.99999994
Gja5	0.00035514	0.00025666	0.00032149	-6.48E-05	0.9102549	0.99999994
Cib3	0.00631575	0.00562935	0.0056943	-6.49E-05	0.53025852	0.99999994
Adam33	0.00035479	0.00025616	0.00032118	-6.50E-05	0.91109617	0.99999994
Cryba4	0.0125385	0.01119192	0.0112573	-6.54E-05	0.51541759	0.99999994
Gpr37	9.08E-05	1.68E-05	8.22E-05	-6.55E-05	0.99999994	0.99999994
Cacng3	9.08E-05	1.68E-05	8.22E-05	-6.55E-05	0.99999994	0.99999994
Tspo2	0.00166512	0.00144045	0.00150603	-6.56E-05	0.61402378	0.99999994
Gm44175	0.00111001	0.00093872	0.00100433	-6.56E-05	0.66817634	0.99999994
Gm15999	0.00035346	0.00025424	0.00031997	-6.57E-05	0.91426165	0.99999994
Xlr	0.00202435	0.00176461	0.00183048	-6.59E-05	0.59465252	0.99999994
Sycp1	9.18E-05	1.72E-05	8.32E-05	-6.60E-05	0.99999994	0.99999994
Gm20649	9.18E-05	1.72E-05	8.32E-05	-6.60E-05	0.99999994	0.99999994
Gm20404	9.18E-05	1.72E-05	8.32E-05	-6.60E-05	0.99999994	0.99999994
Defb30	9.18E-05	1.72E-05	8.32E-05	-6.60E-05	0.99999994	0.99999994
Ctla2b	0.00080939	0.00066627	0.00073248	-6.62E-05	0.72631981	0.99999994
5330429C05I	0.00077926	0.00063862	0.00070523	-6.66E-05	0.73525085	0.99999994
Gm10687	0.00035137	0.00025125	0.00031808	-6.68E-05	0.91904259	0.99999994
Bloc1s6os	0.01077022	0.00961432	0.00968125	-6.69E-05	0.51835365	0.99999994
Ephb6	0.00718057	0.00640325	0.00647024	-6.70E-05	0.52747085	0.99999994
Kcnh6	0.03552231	0.03133856	0.03140562	-6.71E-05	0.50567011	0.99999994
Col6a2	0.00669755	0.00596977	0.00603697	-6.72E-05	0.52953365	0.99999994
Gimap5	0.00035064	0.0002502	0.00031742	-6.72E-05	0.92067434	0.99999994
Scnn1a	0.00517347	0.00460071	0.00466803	-6.73E-05	0.53823759	0.99999994
Gpr65	0.00068298	0.0005508	0.00061813	-6.73E-05	0.76579668	0.99999994
Dnm2	0.38880715	0.26440664	0.26447438	-6.77E-05	0.50068019	0.99999994
Wscd2	0.00574023	0.00510963	0.00517743	-6.78E-05	0.53472893	0.99999994

Bnip3	0.3446078	0.2420561	0.24212397	-6.79E-05	0.50074438	0.99999994
Atg4a	0.07769834	0.06675367	0.06682157	-6.79E-05	0.50269824	0.99999994
Fgb	0.001418	0.00121482	0.00128273	-6.79E-05	0.63772668	0.99999994
Gm37986	0.00034931	0.00024831	0.00031622	-6.79E-05	0.9235648	0.99999994
Lyzl4	0.00078831	0.00064541	0.00071342	-6.80E-05	0.73713309	0.99999994
Sdr42e1	0.013773	0.01228716	0.01235536	-6.82E-05	0.5146557	0.99999994
Sult1b1	0.00253724	0.00222511	0.00229346	-6.84E-05	0.57862674	0.99999994
Parp3	0.00130141	0.00110892	0.00117735	-6.84E-05	0.650586	0.99999994
Pld5	0.00034823	0.00024677	0.00031524	-6.85E-05	0.92586802	0.99999994
Gm14661	0.00034823	0.00024677	0.00031524	-6.85E-05	0.92586802	0.99999994
Brip1	0.00180439	0.00156332	0.00163184	-6.85E-05	0.61006698	0.99999994
Zfp454	0.01369408	0.01221663	0.01228522	-6.86E-05	0.51482137	0.99999994
Gm37799	0.00034797	0.00024641	0.00031501	-6.86E-05	0.92640635	0.99999994
Gm4208	0.00034764	0.00024594	0.00031471	-6.88E-05	0.92710049	0.99999994
Alpk3	0.00034759	0.00024586	0.00031466	-6.88E-05	0.92720671	0.99999994
Orm1	0.00034759	0.00024586	0.00031466	-6.88E-05	0.92720671	0.99999994
Gm26674	0.00034751	0.00024576	0.00031459	-6.88E-05	0.92736576	0.99999994
Gm17430	0.00174723	0.00151131	0.0015802	-6.89E-05	0.61416622	0.99999994
Stfa2	0.00248322	0.00217572	0.00224471	-6.90E-05	0.58104894	0.99999994
Gm8237	0.001236	0.00104898	0.00111823	-6.93E-05	0.65992191	0.99999994
Stk32c	0.00122166	0.00103598	0.00110527	-6.93E-05	0.66176729	0.99999994
Lym7	0.00916171	0.008175	0.00824433	-6.93E-05	0.5223186	0.99999994
Krt76	0.00034626	0.00024399	0.00031346	-6.95E-05	0.92991599	0.99999994
Lrg1	0.00057605	0.00045167	0.0005214	-6.97E-05	0.81330648	0.99999994
Gm37422	0.00034512	0.00024239	0.00031243	-7.00E-05	0.93218071	0.99999994
Spata9	0.00181413	0.00157039	0.00164063	-7.02E-05	0.61216864	0.99999994
Nlrp3	0.00034472	0.00024182	0.00031206	-7.02E-05	0.93296852	0.99999994
Gm16302	0.00080161	0.00065519	0.00072545	-7.03E-05	0.74043625	0.99999994
Arhgap30	0.00034454	0.00024157	0.0003119	-7.03E-05	0.93331036	0.99999994
Vwa7	0.00034437	0.00024133	0.00031174	-7.04E-05	0.93365049	0.99999994

2410018L13F	0.01110206	0.00990684	0.00997731	-7.05E-05	0.51874849	0.99999994
Lrp4	0.00079915	0.0006527	0.00072322	-7.05E-05	0.74184493	0.99999994
Tmem132c	0.00034409	0.00024094	0.00031149	-7.06E-05	0.93418153	0.99999994
BC048679	0.00034409	0.00024094	0.00031149	-7.06E-05	0.93418153	0.99999994
Platr19	0.00034409	0.00024094	0.00031149	-7.06E-05	0.93418153	0.99999994
Ly75	0.00056161	0.00043768	0.00050833	-7.07E-05	0.82254918	0.99999994
Itga7	0.00080221	0.00065521	0.00072599	-7.08E-05	0.74181474	0.99999994
Tifab	0.00034314	0.00023961	0.00031063	-7.10E-05	0.93598408	0.99999994
Col4a3	0.00034304	0.00023947	0.00031054	-7.11E-05	0.93617097	0.99999994
A930041C12	0.001294	0.00109951	0.00117066	-7.12E-05	0.65709974	0.99999994
Apln	0.00034271	0.00023902	0.00031025	-7.12E-05	0.93677467	0.99999994
Pebp4	0.00034224	0.00023836	0.00030982	-7.15E-05	0.93764689	0.99999994
Snx22	0.00437353	0.00387661	0.00394839	-7.18E-05	0.54815505	0.99999994
Gm5616	0.00055671	0.00043203	0.0005039	-7.19E-05	0.82877518	0.99999994
D030047H15	0.00034115	0.00023685	0.00030884	-7.20E-05	0.93962145	0.99999994
Irx5	0.00034115	0.00023685	0.00030884	-7.20E-05	0.93962145	0.99999994
Tunar	0.00034115	0.00023685	0.00030884	-7.20E-05	0.93962145	0.99999994
Il17rd	0.00182842	0.0015814	0.00165354	-7.21E-05	0.61423835	0.99999994
Traip	0.0047748	0.00423734	0.00430948	-7.21E-05	0.54435966	0.99999994
Crygb	0.00034076	0.0002363	0.00030848	-7.22E-05	0.94032405	0.99999994
Prmt8	0.00034061	0.00023609	0.00030835	-7.23E-05	0.94058543	0.99999994
Rab30	0.00301553	0.00265256	0.00272491	-7.24E-05	0.5701426	0.99999994
2310057J18F	0.00201935	0.00175354	0.00182597	-7.24E-05	0.60412403	0.99999994
Cldn14	0.00033993	0.00023514	0.00030772	-7.26E-05	0.94179034	0.99999994
Mybpc3	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994
Ccna1	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994
B230334C09	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994
Gm13010	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994
Reg3g	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994
Ptprb	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994

Tmem45b	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994
Klk1b4	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994
1700013H16	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994
Gm29133	0.00010495	2.24E-05	9.50E-05	-7.26E-05	0.99999982	0.99999994
2410004I01R	0.0011766	0.00099189	0.00106453	-7.26E-05	0.67517136	0.99999994
Susd3	0.00069208	0.00055363	0.00062637	-7.27E-05	0.78025498	0.99999994
Ccdc42	0.00033905	0.00023393	0.00030693	-7.30E-05	0.94330401	0.99999994
1600014C23I	0.00033905	0.00023393	0.00030693	-7.30E-05	0.94330401	0.99999994
Syde1	0.00033878	0.00023356	0.00030669	-7.31E-05	0.94375869	0.99999994
Mal	0.00033851	0.00023319	0.00030645	-7.33E-05	0.94420975	0.99999994
E130114P18I	0.00033851	0.00023319	0.00030645	-7.33E-05	0.94420975	0.99999994
Plxdc1	0.00033851	0.00023319	0.00030645	-7.33E-05	0.94420975	0.99999994
Fstl4	0.00196557	0.00170406	0.0017774	-7.33E-05	0.60821658	0.99999994
Xlr3c	0.00378296	0.00334321	0.00341659	-7.34E-05	0.55684125	0.99999994
Serpinb6c	0.00010691	2.33E-05	9.68E-05	-7.35E-05	0.99999979	0.99999994
Gm28874	0.00242822	0.0021212	0.00219508	-7.39E-05	0.58862654	0.99999994
Gm15965	0.0037864	0.00334579	0.00341969	-7.39E-05	0.55718823	0.99999994
Tigd4	0.00033706	0.0002312	0.00030513	-7.39E-05	0.94660757	0.99999994
Serpina16	0.00033704	0.00023117	0.00030511	-7.39E-05	0.94664665	0.99999994
9530026P05I	0.00237986	0.00207745	0.00215143	-7.40E-05	0.59052294	0.99999994
Rex2	0.00059583	0.00046522	0.0005393	-7.41E-05	0.81971256	0.99999994
Fbln7	0.00158629	0.00136056	0.0014348	-7.42E-05	0.63472847	0.99999994
Hpx	0.00033608	0.00022986	0.00030425	-7.44E-05	0.94818685	0.99999994
Fcmr	0.00367159	0.00324165	0.00331626	-7.46E-05	0.55951627	0.99999994
Gm35986	0.00160073	0.00137321	0.00144785	-7.46E-05	0.63425399	0.99999994
2810459M11	0.00033551	0.00022907	0.00030373	-7.47E-05	0.94908961	0.99999994
Sox3	0.00033551	0.00022907	0.00030373	-7.47E-05	0.94908961	0.99999994
Esr1	0.00010978	2.45E-05	9.94E-05	-7.49E-05	0.99999973	0.99999994
Slc9a5	0.00010978	2.45E-05	9.94E-05	-7.49E-05	0.99999973	0.99999994
Csf2rb	0.00010979	2.45E-05	9.94E-05	-7.49E-05	0.99999973	0.99999994

Gm15489	0.00033496	0.00022833	0.00030323	-7.49E-05	0.94994004	0.99999994
Stk10	0.00409472	0.00362245	0.00369738	-7.49E-05	0.55364968	0.99999994
Adam18	0.00033484	0.00022817	0.00030312	-7.50E-05	0.95012303	0.99999994
Ncf1	0.00106304	0.00088682	0.00096186	-7.50E-05	0.69822017	0.99999994
Tmem217	0.00654748	0.00582709	0.0059023	-7.52E-05	0.53379619	0.99999994
C2cd4d	0.00894809	0.007978	0.00805327	-7.53E-05	0.52480417	0.99999994
9130213A22	0.00011136	2.52E-05	0.00010083	-7.56E-05	0.9999997	0.99999994
Ccl11	0.00011136	2.52E-05	0.00010083	-7.56E-05	0.9999997	0.99999994
Fsd2	0.00083786	0.00068239	0.00075823	-7.58E-05	0.74724108	0.99999994
Spi1	0.00220328	0.00191618	0.00199203	-7.59E-05	0.60004567	0.99999994
Ppfia3	0.01645293	0.01465688	0.01473284	-7.60E-05	0.5136891	0.99999994
Gm20400	0.00033258	0.00022509	0.00030108	-7.60E-05	0.95350963	0.99999994
Ddah1	0.00725562	0.00646149	0.00653753	-7.60E-05	0.53085563	0.99999994
Slc1a7	0.00033233	0.00022475	0.00030085	-7.61E-05	0.95388267	0.99999994
4833413E03I	0.00033233	0.00022475	0.00030085	-7.61E-05	0.95388267	0.99999994
Gm16316	0.00011287	2.59E-05	0.00010219	-7.63E-05	0.99999966	0.99999994
Penk	0.00011287	2.59E-05	0.00010219	-7.63E-05	0.99999966	0.99999994
Lct	0.00011309	2.60E-05	0.00010239	-7.64E-05	0.99999966	0.99999994
Wfdc13	0.00011309	2.60E-05	0.00010239	-7.64E-05	0.99999966	0.99999994
Gramd2	0.00226625	0.0019725	0.00204888	-7.64E-05	0.59798363	0.99999994
Sohlh2	0.0003317	0.0002239	0.00030028	-7.64E-05	0.95478566	0.99999994
Adarb2	0.0003317	0.0002239	0.00030028	-7.64E-05	0.95478566	0.99999994
Pcdh17	0.00079398	0.00064183	0.00071854	-7.67E-05	0.76133513	0.99999994
Hoxd4	0.00033082	0.00022271	0.00029948	-7.68E-05	0.95602656	0.99999994
Il12rb2	0.00011408	2.65E-05	0.00010328	-7.68E-05	0.99999963	0.99999994
Dnase2b	0.00011422	2.66E-05	0.00010342	-7.69E-05	0.99999962	0.99999994
Cfap52	0.00351165	0.00309508	0.00317214	-7.71E-05	0.56422895	0.99999994
Il17f	0.00033015	0.00022181	0.00029887	-7.71E-05	0.9569505	0.99999994
Klk6	0.00032999	0.00022159	0.00029873	-7.71E-05	0.95717058	0.99999994
Dnm3os	0.00111412	0.00093084	0.00100805	-7.72E-05	0.69491632	0.99999994

Vav1	0.00153603	0.00131208	0.00138939	-7.73E-05	0.64443933	0.99999994
Adm	0.00127037	0.00107194	0.0011493	-7.74E-05	0.67292015	0.99999994
Ccdc158	0.00114214	0.00095593	0.00103338	-7.75E-05	0.69107068	0.99999994
Epha8	0.00059702	0.0004629	0.00054037	-7.75E-05	0.83004524	0.99999994
Zp3	0.00135452	0.00114787	0.00122536	-7.75E-05	0.66310043	0.99999994
Cetn3	0.82983399	0.40839169	0.40846968	-7.80E-05	0.50050701	0.99999994
4930558K02I	0.00032793	0.00021884	0.00029687	-7.80E-05	0.95990132	0.99999994
B3gat2	0.00011693	2.78E-05	0.00010587	-7.80E-05	0.99999954	0.99999994
Gm12195	0.00011693	2.78E-05	0.00010587	-7.80E-05	0.99999954	0.99999994
Gm16192	0.00011708	2.79E-05	0.00010601	-7.81E-05	0.99999953	0.99999994
Capn12	0.00125052	0.00105319	0.00113135	-7.82E-05	0.67720147	0.99999994
Ptpre	0.00109383	0.00091152	0.00098971	-7.82E-05	0.70051123	0.99999994
Pla2r1	0.00011737	2.80E-05	0.00010627	-7.82E-05	0.99999952	0.99999994
Eme1	0.00174907	0.00150349	0.00158186	-7.84E-05	0.62921906	0.99999994
Hmcn1	0.00032696	0.00021754	0.00029599	-7.84E-05	0.96114336	0.99999994
Smim17	0.00032696	0.00021754	0.00029599	-7.84E-05	0.96114336	0.99999994
Naip5	0.00032684	0.00021739	0.00029588	-7.85E-05	0.96128524	0.99999994
Acat3	0.00011814	2.84E-05	0.00010696	-7.86E-05	0.99999949	0.99999994
Zfp385c	0.0032756	0.00288073	0.00295939	-7.87E-05	0.57021249	0.99999994
Gm13861	0.00011838	2.85E-05	0.00010718	-7.87E-05	0.99999948	0.99999994
Ctsk	0.00011863	2.86E-05	0.00010741	-7.88E-05	0.99999947	0.99999994
Epha2	0.00114202	0.00095448	0.00103327	-7.88E-05	0.69411233	0.99999994
Il17rb	0.00076199	0.00061081	0.00068961	-7.88E-05	0.77653919	0.99999994
Itk	0.0003261	0.0002164	0.00029521	-7.88E-05	0.9622086	0.99999994
Myoc	0.00121512	0.00102025	0.00109935	-7.91E-05	0.68400692	0.99999994
Chrna5	0.00062587	0.00048725	0.00056647	-7.92E-05	0.8240373	0.99999994
Nrl	0.00011975	2.92E-05	0.00010843	-7.92E-05	0.99999943	0.99999994
Ttl	0.03487014	0.03076312	0.03084239	-7.93E-05	0.5068245	0.99999994
Lrrc7	0.00135678	0.00114811	0.0012274	-7.93E-05	0.66640459	0.99999994
Lin28a	0.00054955	0.000418	0.00049742	-7.94E-05	0.85607257	0.99999994

Pkn3	0.00121135	0.0010164	0.00109595	-7.96E-05	0.68550887	0.99999994
Polh	0.00293579	0.00257344	0.00265299	-7.96E-05	0.5791008	0.99999994
Csf3r	0.00012056	2.96E-05	0.00010916	-7.96E-05	0.99999939	0.99999994
Ms4a2	0.00012056	2.96E-05	0.00010916	-7.96E-05	0.99999939	0.99999994
Mfsd2b	0.00012092	2.98E-05	0.00010948	-7.97E-05	0.99999937	0.99999994
Rsph14	0.00245938	0.00214335	0.0022232	-7.98E-05	0.59447547	0.99999994
D930020B18	0.00012131	2.99E-05	0.00010984	-7.99E-05	0.99999936	0.99999994
Tmem63c	0.00012131	2.99E-05	0.00010984	-7.99E-05	0.99999936	0.99999994
Gm13199	0.00197964	0.0017102	0.00179011	-7.99E-05	0.61681759	0.99999994
Myom3	0.00012177	3.02E-05	0.00011025	-8.01E-05	0.99999933	0.99999994
Lcat	0.00012177	3.02E-05	0.00011025	-8.01E-05	0.99999933	0.99999994
Gm27019	0.00012244	3.05E-05	0.00011085	-8.03E-05	0.9999993	0.99999994
Kazn	0.04281003	0.03758596	0.0376664	-8.04E-05	0.50567086	0.99999994
Pcdh11x	0.00160848	0.00137435	0.00145485	-8.05E-05	0.6436851	0.99999994
Gm11464	0.00012288	3.07E-05	0.00011125	-8.05E-05	0.99999928	0.99999994
Gbp4	0.00012288	3.07E-05	0.00011125	-8.05E-05	0.99999928	0.99999994
Rab7b	0.00072384	0.00057446	0.0006551	-8.06E-05	0.79369837	0.99999994
Siglec1	0.00134322	0.00113437	0.00121515	-8.08E-05	0.67093355	0.99999994
lqub	0.00032126	0.00021003	0.00029083	-8.08E-05	0.96779643	0.99999994
Gm15518	0.00012357	3.11E-05	0.00011188	-8.08E-05	0.99999924	0.99999994
Gm16638	0.01823693	0.0162299	0.01631075	-8.09E-05	0.51316076	0.99999994
Asic3	0.00197928	0.00170881	0.00178978	-8.10E-05	0.61834175	0.99999994
Fgg	0.00120533	0.00100948	0.00109051	-8.10E-05	0.68954301	0.99999994
2210406010	0.00805414	0.00717202	0.0072531	-8.11E-05	0.52965757	0.99999994
Gm28731	0.00105715	0.00087542	0.00095653	-8.11E-05	0.71377963	0.99999994
Gm19461	0.00295972	0.00259339	0.00267457	-8.12E-05	0.58005857	0.99999994
Lrrc75b	0.00032022	0.00020867	0.00028989	-8.12E-05	0.96890451	0.99999994
Fcnb	0.00012529	3.19E-05	0.00011344	-8.15E-05	0.99999913	0.99999994
Rab6b	0.00012529	3.19E-05	0.00011344	-8.15E-05	0.99999913	0.99999994
Gm14097	0.00012529	3.19E-05	0.00011344	-8.15E-05	0.99999913	0.99999994

Gm29994	0.00031916	0.0002073	0.00028893	-8.16E-05	0.96999564	0.99999994
Gas2l3	0.00210897	0.00182521	0.00190689	-8.17E-05	0.61222436	0.99999994
Gm43597	0.0025359	0.00221041	0.00229225	-8.18E-05	0.59391722	0.99999994
Klrd1	0.0001263	3.25E-05	0.00011435	-8.19E-05	0.99999906	0.99999994
Ribc2	0.0001263	3.25E-05	0.00011435	-8.19E-05	0.99999906	0.99999994
Aldh3b2	0.0001263	3.25E-05	0.00011435	-8.19E-05	0.99999906	0.99999994
Gm16549	0.0001263	3.25E-05	0.00011435	-8.19E-05	0.99999906	0.99999994
4930500F10I	0.00250468	0.00218208	0.00226408	-8.20E-05	0.5952544	0.99999994
Slc10a4	0.00012681	3.27E-05	0.00011481	-8.21E-05	0.99999903	0.99999994
Lcn4	0.00012701	3.28E-05	0.00011499	-8.22E-05	0.99999901	0.99999994
Prss22	0.00031775	0.00020547	0.00028766	-8.22E-05	0.97140387	0.99999994
Gm16116	0.00012717	3.29E-05	0.00011514	-8.22E-05	0.999999	0.99999994
Gabrq	0.00012774	3.32E-05	0.00011565	-8.24E-05	0.99999896	0.99999994
Pou2f3	0.00012827	3.35E-05	0.00011614	-8.27E-05	0.99999892	0.99999994
Gm15956	0.00012827	3.35E-05	0.00011614	-8.27E-05	0.99999892	0.99999994
Cpa5	0.00031629	0.00020358	0.00028633	-8.28E-05	0.97280401	0.99999994
C1rb	0.00031593	0.00020312	0.00028601	-8.29E-05	0.97313807	0.99999994
Tmprss15	0.00031593	0.00020312	0.00028601	-8.29E-05	0.97313807	0.99999994
Mas1	0.00267498	0.00233481	0.00241774	-8.29E-05	0.59029457	0.99999994
Zfp960	0.00305445	0.00267683	0.00276	-8.32E-05	0.57948628	0.99999994
Tmem132e	0.00031501	0.00020194	0.00028518	-8.32E-05	0.97398332	0.99999994
Vwf	0.00224958	0.00195057	0.00203383	-8.33E-05	0.60738853	0.99999994
Hspg2	0.01572318	0.01400297	0.0140863	-8.33E-05	0.51570539	0.99999994
Gpr150	0.00013019	3.45E-05	0.00011787	-8.34E-05	0.99999875	0.99999994
Tnfrsf14	0.00106297	0.0008783	0.0009618	-8.35E-05	0.71833261	0.99999994
Apon	0.00013052	3.47E-05	0.00011817	-8.35E-05	0.99999872	0.99999994
Gm42957	0.00013069	3.48E-05	0.00011832	-8.36E-05	0.99999871	0.99999994
Lrrk2	0.0001307	3.48E-05	0.00011834	-8.36E-05	0.9999987	0.99999994
Asic5	0.0001307	3.48E-05	0.00011834	-8.36E-05	0.9999987	0.99999994
Cyp4a12b	0.0001307	3.48E-05	0.00011834	-8.36E-05	0.9999987	0.99999994

Cxcl5	0.00066374	0.00051712	0.00060073	-8.36E-05	0.82288954	0.99999994
Cd300ld	0.00031399	0.00020063	0.00028425	-8.36E-05	0.97489258	0.99999994
Ntrk3	0.00013087	3.49E-05	0.00011849	-8.36E-05	0.99999869	0.99999994
Zfp72	0.00062856	0.00048521	0.0005689	-8.37E-05	0.83625776	0.99999994
Kcnk2	0.00305555	0.00267711	0.00276099	-8.39E-05	0.58013164	0.99999994
Ppp1r32	0.00061524	0.00047291	0.00055685	-8.39E-05	0.8421857	0.99999994
4921507G05	0.00179042	0.00153522	0.00161921	-8.40E-05	0.63506031	0.99999994
Cpne1	0.00031242	0.00019863	0.00028283	-8.42E-05	0.97623882	0.99999994
Pdgfrb	0.00220309	0.00190756	0.00199186	-8.43E-05	0.61092287	0.99999994
Slc30a10	0.00013293	3.60E-05	0.00012035	-8.44E-05	0.99999848	0.99999994
Sgca	0.00013309	3.60E-05	0.0001205	-8.45E-05	0.99999846	0.99999994
Gm16152	0.00245556	0.00213526	0.00221975	-8.45E-05	0.60000949	0.99999994
Ptger2	0.00031146	0.00019741	0.00028196	-8.46E-05	0.977034	0.99999994
Spns3	0.00031146	0.00019741	0.00028196	-8.46E-05	0.977034	0.99999994
Cldn19	0.00031142	0.00019736	0.00028192	-8.46E-05	0.97706723	0.99999994
Trem1	0.00013354	3.63E-05	0.0001209	-8.46E-05	0.99999841	0.99999994
Pcdhgb1	0.00013354	3.63E-05	0.0001209	-8.46E-05	0.99999841	0.99999994
Ptafr	0.00013392	3.65E-05	0.00012125	-8.48E-05	0.99999836	0.99999994
Slc25a2	0.00013392	3.65E-05	0.00012125	-8.48E-05	0.99999836	0.99999994
Kdr	0.00108767	0.00089927	0.00098413	-8.49E-05	0.71699368	0.99999994
Gper1	0.01260281	0.01122959	0.01131455	-8.50E-05	0.51993108	0.99999994
Xcl1	0.00013465	3.69E-05	0.00012191	-8.50E-05	0.99999827	0.99999994
Scara5	0.00031008	0.00019566	0.00028071	-8.50E-05	0.97813629	0.99999994
Gm16519	0.00031008	0.00019566	0.00028071	-8.50E-05	0.97813629	0.99999994
Cd3d	0.00013494	3.71E-05	0.00012218	-8.51E-05	0.99999824	0.99999994
Ston1	0.0010327	0.0008493	0.00093443	-8.51E-05	0.72787751	0.99999994
Psors1c2	0.00013581	3.75E-05	0.00012296	-8.54E-05	0.99999812	0.99999994
Lrrc2	0.00101913	0.0008367	0.00092216	-8.55E-05	0.73133485	0.99999994
Mx1	0.00030869	0.00019391	0.00027945	-8.55E-05	0.97919914	0.99999994
9330175M2C	0.00013633	3.78E-05	0.00012343	-8.56E-05	0.99999805	0.99999994

Emc2	0.42730875	0.28259262	0.28267834	-8.57E-05	0.50080525	0.99999994
Dram1	0.00070247	0.00055001	0.00063577	-8.58E-05	0.81538207	0.99999994
Nmrk1	0.04451395	0.03903569	0.03912153	-8.58E-05	0.50582617	0.99999994
Yipf7	0.00013706	3.82E-05	0.0001241	-8.59E-05	0.99999794	0.99999994
Rgs13	0.00013788	3.87E-05	0.00012483	-8.61E-05	0.99999782	0.99999994
Flt1	0.00013797	3.87E-05	0.00012492	-8.62E-05	0.99999781	0.99999994
Myo1a	0.00013797	3.87E-05	0.00012492	-8.62E-05	0.99999781	0.99999994
Col5a1	0.00571239	0.00506616	0.00515242	-8.63E-05	0.54436302	0.99999994
Gm43400	0.00013855	3.91E-05	0.00012544	-8.64E-05	0.99999771	0.99999994
Dppa2	0.00013855	3.91E-05	0.00012544	-8.64E-05	0.99999771	0.99999994
Slc25a21	0.0001387	3.91E-05	0.00012557	-8.64E-05	0.99999769	0.99999994
Plxnb3	0.00030611	0.00019068	0.00027712	-8.64E-05	0.98105904	0.99999994
Spta1	0.00013879	3.92E-05	0.00012566	-8.65E-05	0.99999767	0.99999994
Srcin1	0.00397054	0.00349909	0.00358555	-8.65E-05	0.56376217	0.99999994
4930447C04I	0.00030581	0.00019032	0.00027685	-8.65E-05	0.98126229	0.99999994
Lrrc26	0.00030573	0.00019022	0.00027678	-8.66E-05	0.9813161	0.99999994
Ttll9	0.00094376	0.00076742	0.00085401	-8.66E-05	0.7501356	0.99999994
Dnah6	0.00014012	4.00E-05	0.00012686	-8.69E-05	0.99999744	0.99999994
D430041D05	0.00070078	0.0005472	0.00063424	-8.70E-05	0.81950918	0.99999994
Tnfrsf26	0.00030425	0.00018837	0.00027543	-8.71E-05	0.98230874	0.99999994
Gapdhs	0.00014108	4.05E-05	0.00012773	-8.72E-05	0.99999726	0.99999994
Ctxn3	0.00014108	4.05E-05	0.00012773	-8.72E-05	0.99999726	0.99999994
Casq1	0.00014135	4.07E-05	0.00012798	-8.73E-05	0.99999721	0.99999994
Tomt	0.00014135	4.07E-05	0.00012798	-8.73E-05	0.99999721	0.99999994
D5Ertd615e	0.00014135	4.07E-05	0.00012798	-8.73E-05	0.99999721	0.99999994
Shcbp1l	0.00014139	4.07E-05	0.00012801	-8.73E-05	0.9999972	0.99999994
Gm37988	0.00014144	4.07E-05	0.00012806	-8.73E-05	0.99999719	0.99999994
Gm10640	0.00014144	4.07E-05	0.00012806	-8.73E-05	0.99999719	0.99999994
Gm28777	0.00014144	4.07E-05	0.00012806	-8.73E-05	0.99999719	0.99999994
Csmd1	0.00137173	0.00115355	0.00124092	-8.74E-05	0.68034228	0.99999994

Cd300lf	0.00066813	0.00051723	0.0006047	-8.75E-05	0.83220068	0.99999994
Clgn	0.00030293	0.00018675	0.00027424	-8.75E-05	0.98315053	0.99999994
Gm20478	0.00058251	0.00043974	0.00052724	-8.75E-05	0.86534633	0.99999994
Ear2	0.00014289	4.15E-05	0.00012937	-8.78E-05	0.99999689	0.99999994
Phf11d	0.00014301	4.16E-05	0.00012948	-8.79E-05	0.99999686	0.99999994
Bloodlinc	0.00014301	4.16E-05	0.00012948	-8.79E-05	0.99999686	0.99999994
Trpa1	0.00099328	0.00081086	0.00089879	-8.79E-05	0.74253282	0.99999994
Nxpe2	0.00014325	4.18E-05	0.0001297	-8.79E-05	0.99999681	0.99999994
Wdr91	0.03859854	0.03396773	0.03405575	-8.80E-05	0.50686267	0.99999994
Osm	0.00210961	0.00181942	0.00190747	-8.81E-05	0.62067978	0.99999994
Grpr	0.0001437	4.20E-05	0.00013011	-8.81E-05	0.9999967	0.99999994
Gm44214	0.0001437	4.20E-05	0.00013011	-8.81E-05	0.9999967	0.99999994
Gm17087	0.0001437	4.20E-05	0.00013011	-8.81E-05	0.9999967	0.99999994
Mos	0.00014417	4.23E-05	0.00013053	-8.82E-05	0.99999659	0.99999994
Mrgprb2	0.00014465	4.26E-05	0.00013097	-8.84E-05	0.99999648	0.99999994
Dhh	0.00014476	4.26E-05	0.00013107	-8.84E-05	0.99999645	0.99999994
Gm43598	0.00014485	4.27E-05	0.00013114	-8.84E-05	0.99999643	0.99999994
G430049J08I	0.00014485	4.27E-05	0.00013114	-8.84E-05	0.99999643	0.99999994
Ppm1e	0.0005872	0.00044301	0.00053149	-8.85E-05	0.86608283	0.99999994
Arl9	0.00014494	4.28E-05	0.00013123	-8.85E-05	0.9999964	0.99999994
Ggt7	0.00599347	0.00531642	0.00540491	-8.85E-05	0.54339128	0.99999994
F420014N23	0.00014649	4.37E-05	0.00013263	-8.90E-05	0.99999599	0.99999994
Gm20537	0.00029827	0.00018104	0.00027002	-8.90E-05	0.98586383	0.99999994
Cpa4	0.0001466	4.37E-05	0.00013273	-8.90E-05	0.99999596	0.99999994
Cd300e	0.0001466	4.37E-05	0.00013273	-8.90E-05	0.99999596	0.99999994
Clec9a	0.00014678	4.38E-05	0.00013289	-8.90E-05	0.99999591	0.99999994
Gm8281	0.00029791	0.00018061	0.0002697	-8.91E-05	0.9860535	0.99999994
Calr3	0.00567721	0.00503154	0.00512081	-8.93E-05	0.5461872	0.99999994
Prdm1	0.0001477	4.44E-05	0.00013373	-8.93E-05	0.99999564	0.99999994
Tmem204	0.0001477	4.44E-05	0.00013373	-8.93E-05	0.99999564	0.99999994

Agr3	0.00014802	4.46E-05	0.00013402	-8.94E-05	0.99999554	0.99999994
S1pr1	0.00014816	4.47E-05	0.00013415	-8.95E-05	0.99999549	0.99999994
Fam78a	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Rag2	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Gm15063	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Il12a	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Adgrl4	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Pax5	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Hoxa9	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Siglecg	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Chst3	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Pou2af1	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Arpp21	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Gm4035	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Erg	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Gm8369	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
4930597A21	0.00029648	0.00017888	0.00026841	-8.95E-05	0.98679537	0.99999994
Gm11127	0.00063744	0.00048741	0.00057694	-8.95E-05	0.84917884	0.99999994
Gm11630	0.00393501	0.00346398	0.00355355	-8.96E-05	0.56661982	0.99999994
Phex	0.00411272	0.00362399	0.00371359	-8.96E-05	0.56379218	0.99999994
Tdrd9	0.00029613	0.00017846	0.00026809	-8.96E-05	0.98697201	0.99999994
Slc1a4	0.00590319	0.00523404	0.00532383	-8.98E-05	0.54469168	0.99999994
Pou3f2	0.00029557	0.00017778	0.00026757	-8.98E-05	0.98725493	0.99999994
Ushbp1	0.00014932	4.54E-05	0.00013519	-8.98E-05	0.99999512	0.99999994
Cngb3	0.00014947	4.55E-05	0.00013533	-8.99E-05	0.99999507	0.99999994
Efhd1	0.00014961	4.56E-05	0.00013546	-8.99E-05	0.99999502	0.99999994
Bpifb4	0.00029454	0.00017655	0.00026665	-9.01E-05	0.98774984	0.99999994
Rec114	0.00613687	0.00544356	0.0055337	-9.01E-05	0.54316832	0.99999994
2010110K18I	0.0002944	0.00017637	0.00026652	-9.01E-05	0.98781889	0.99999994
Cyp26b1	0.00015055	4.61E-05	0.0001363	-9.02E-05	0.99999469	0.99999994

Kndc1	0.0002938	0.00017566	0.00026598	-9.03E-05	0.98809941	0.99999994
M5C1000I18	0.00319104	0.00279281	0.00288315	-9.03E-05	0.58261204	0.99999994
Rilp	0.00220774	0.0019055	0.00199606	-9.06E-05	0.61866815	0.99999994
Raet1d	0.00094551	0.00076488	0.00085558	-9.07E-05	0.75981126	0.99999994
Omp	0.00029213	0.00017366	0.00026446	-9.08E-05	0.98885417	0.99999994
Rpl7a-ps3	0.00505573	0.00447136	0.00456216	-9.08E-05	0.55270028	0.99999994
Slc24a1	0.00029173	0.0001732	0.00026411	-9.09E-05	0.98902526	0.99999994
Fam184b	0.00015342	4.79E-05	0.0001389	-9.10E-05	0.99999353	0.99999994
Shroom4	0.00232405	0.00200985	0.00210105	-9.12E-05	0.61369076	0.99999994
Eps8l1	0.00668405	0.00593362	0.00602486	-9.12E-05	0.54014503	0.99999994
Mybpc1	0.00029001	0.00017116	0.00026255	-9.14E-05	0.98974741	0.99999994
Gypc	0.00093891	0.00075819	0.00084962	-9.14E-05	0.76309466	0.99999994
Gm33050	0.00028979	0.00017089	0.00026234	-9.15E-05	0.98984033	0.99999994
Gm16998	0.00015521	4.90E-05	0.00014053	-9.15E-05	0.99999269	0.99999994
1110002O04	0.00015523	4.90E-05	0.00014054	-9.15E-05	0.99999268	0.99999994
Ankrd1	0.00015523	4.90E-05	0.00014054	-9.15E-05	0.99999268	0.99999994
Zfp947	0.00809865	0.00720142	0.00729296	-9.15E-05	0.5332946	0.99999994
Cacna1i	0.00317197	0.00277428	0.00286597	-9.17E-05	0.58431369	0.99999994
Gm11646	0.00015645	4.98E-05	0.00014164	-9.18E-05	0.99999205	0.99999994
Pkd1l3	0.00015645	4.98E-05	0.00014164	-9.18E-05	0.99999205	0.99999994
Shank3	0.00028819	0.00016902	0.0002609	-9.19E-05	0.9904665	0.99999994
Apoa2	0.01408187	0.01253791	0.01262982	-9.19E-05	0.51931713	0.99999994
Oas1g	0.00015677	5.00E-05	0.00014194	-9.19E-05	0.99999187	0.99999994
Xdh	0.00015677	5.00E-05	0.00014194	-9.19E-05	0.99999187	0.99999994
Extl1	0.00120213	0.00099558	0.00108761	-9.20E-05	0.71336371	0.99999994
Tnfrsf1b	0.0001572	5.03E-05	0.00014232	-9.20E-05	0.99999163	0.99999994
Gm37401	0.00059328	0.00044488	0.00053699	-9.21E-05	0.87321896	0.99999994
Gm17455	0.00015759	5.05E-05	0.00014268	-9.21E-05	0.99999141	0.99999994
Sec16b	0.00204979	0.00176126	0.00185345	-9.22E-05	0.62971198	0.99999994
BC016548	0.00066313	0.00050794	0.00060018	-9.22E-05	0.84683546	0.99999994

Pgk1-rs7	0.00197776	0.00169616	0.00178841	-9.23E-05	0.63433629	0.99999994
Arhgap10	0.00724937	0.00643961	0.00653193	-9.23E-05	0.53747617	0.99999994
Nmu	0.00076497	0.0005999	0.0006923	-9.24E-05	0.81283904	0.99999994
Bin2	0.00182589	0.00155876	0.00165125	-9.25E-05	0.64535462	0.99999994
Prom2	0.00411857	0.00362636	0.00371885	-9.25E-05	0.56574773	0.99999994
Gm20652	0.00015913	5.15E-05	0.00014407	-9.25E-05	0.99999047	0.99999994
Dnase1l3	0.00015926	5.16E-05	0.00014419	-9.26E-05	0.99999038	0.99999994
Apol7a	0.00028537	0.00016572	0.00025835	-9.26E-05	0.9914946	0.99999994
Zan	0.00015947	5.17E-05	0.00014438	-9.26E-05	0.99999025	0.99999994
Nr6a1os	0.00016014	5.22E-05	0.00014499	-9.28E-05	0.9999898	0.99999994
Chn1os3	0.00028461	0.00016484	0.00025765	-9.28E-05	0.99175577	0.99999994
Zbed5	0.02507852	0.02223422	0.02232708	-9.29E-05	0.51104271	0.99999994
BC018473	0.00016066	5.25E-05	0.00014545	-9.29E-05	0.99998944	0.99999994
2610028H24	0.00112467	0.00092463	0.00101759	-9.30E-05	0.72842002	0.99999994
Kcng1	0.00016078	5.26E-05	0.00014557	-9.30E-05	0.99998935	0.99999994
Gm6377	0.00016103	5.28E-05	0.00014579	-9.30E-05	0.99998918	0.99999994
Gm3086	0.00028373	0.00016382	0.00025686	-9.30E-05	0.99204707	0.99999994
Lrrc71	0.00016134	5.30E-05	0.00014608	-9.31E-05	0.99998895	0.99999994
Nlrp1b	0.00016134	5.30E-05	0.00014608	-9.31E-05	0.99998895	0.99999994
Gm27022	0.00016243	5.37E-05	0.00014706	-9.34E-05	0.99998812	0.99999994
Gm26562	0.00016243	5.37E-05	0.00014706	-9.34E-05	0.99998812	0.99999994
Zfp750	0.00028224	0.0001621	0.00025551	-9.34E-05	0.9925207	0.99999994
2310016G11	0.00016313	5.42E-05	0.0001477	-9.35E-05	0.99998755	0.99999994
Zpbp	0.00280288	0.00243953	0.00253312	-9.36E-05	0.597125	0.99999994
Gm26861	0.00028139	0.00016113	0.00025474	-9.36E-05	0.99277859	0.99999994
Mndal	0.00028129	0.00016102	0.00025465	-9.36E-05	0.99280831	0.99999994
Spata20	0.00028129	0.00016102	0.00025465	-9.36E-05	0.99280831	0.99999994
Ccdc38	0.00028124	0.00016096	0.00025461	-9.36E-05	0.99282311	0.99999994
0610033M1C	0.00016359	5.45E-05	0.00014811	-9.36E-05	0.99998717	0.99999994
Gm12216	0.00016359	5.45E-05	0.00014811	-9.36E-05	0.99998717	0.99999994

3110045C21l	0.00535672	0.00473909	0.00483277	-9.37E-05	0.55133256	0.99999994
Abcb1b	0.000164	5.47E-05	0.00014848	-9.37E-05	0.99998681	0.99999994
Mettl7a2	0.000164	5.47E-05	0.00014848	-9.37E-05	0.99998681	0.99999994
Il21r	0.00016414	5.48E-05	0.00014861	-9.38E-05	0.99998669	0.99999994
BC048644	0.00016414	5.48E-05	0.00014861	-9.38E-05	0.99998669	0.99999994
Gm2788	0.00016417	5.48E-05	0.00014864	-9.38E-05	0.99998666	0.99999994
Phf11b	0.00016429	5.49E-05	0.00014875	-9.38E-05	0.99998655	0.99999994
Klk1b24	0.00016429	5.49E-05	0.00014875	-9.38E-05	0.99998655	0.99999994
Tsnaxip1	0.00016435	5.50E-05	0.0001488	-9.38E-05	0.9999865	0.99999994
Wnt2	0.00016462	5.51E-05	0.00014904	-9.39E-05	0.99998626	0.99999994
Gm2245	0.00016466	5.52E-05	0.00014908	-9.39E-05	0.99998622	0.99999994
Chl1	0.00027968	0.00015918	0.00025319	-9.40E-05	0.99327577	0.99999994
4933433G15	0.00016576	5.59E-05	0.00015007	-9.42E-05	0.99998519	0.99999994
Gm15859	0.00016576	5.59E-05	0.00015007	-9.42E-05	0.99998519	0.99999994
A730056A06	0.00066692	0.00050933	0.0006036	-9.43E-05	0.85074989	0.99999994
Fat2	0.00027846	0.00015779	0.00025209	-9.43E-05	0.99361174	0.99999994
Npw	0.00016653	5.64E-05	0.00015077	-9.43E-05	0.99998442	0.99999994
Vstm2a	0.00016664	5.65E-05	0.00015087	-9.44E-05	0.99998431	0.99999994
Sox7	0.00027715	0.00015631	0.00025091	-9.46E-05	0.99395469	0.99999994
Slfn1	0.00027715	0.00015631	0.00025091	-9.46E-05	0.99395469	0.99999994
4930565N06	0.00057444	0.0004253	0.00051994	-9.46E-05	0.88715859	0.99999994
Hr	0.00016831	5.76E-05	0.00015238	-9.47E-05	0.9999825	0.99999994
Npffr1	0.00016833	5.77E-05	0.0001524	-9.47E-05	0.99998248	0.99999994
Gm27184	0.00016835	5.77E-05	0.00015242	-9.47E-05	0.99998246	0.99999994
Tmigd1	0.00016879	5.80E-05	0.00015282	-9.48E-05	0.99998194	0.99999994
Gm12530	0.00016879	5.80E-05	0.00015282	-9.48E-05	0.99998194	0.99999994
Gm15401	0.00027589	0.00015489	0.00024976	-9.49E-05	0.99427041	0.99999994
Krt78	0.00027563	0.00015461	0.00024953	-9.49E-05	0.99433219	0.99999994
Grifin	0.00027551	0.00015447	0.00024942	-9.50E-05	0.99436282	0.99999994
Kcna6	0.00016948	5.85E-05	0.00015345	-9.50E-05	0.99998111	0.99999994

Nid2	0.00230951	0.00199294	0.00208793	-9.50E-05	0.61899365	0.99999994
Olfml3	0.00561147	0.00496673	0.00506173	-9.50E-05	0.54971082	0.99999994
Myh11	0.00017088	5.94E-05	0.00015471	-9.53E-05	0.99997932	0.99999994
Abi3bp	0.00017088	5.94E-05	0.00015471	-9.53E-05	0.99997932	0.99999994
Daam2	0.00027384	0.0001526	0.00024791	-9.53E-05	0.99475242	0.99999994
BC043934	0.0010783	0.00088033	0.00097566	-9.53E-05	0.74227026	0.99999994
Ttc39aos1	0.00017116	5.96E-05	0.00015496	-9.53E-05	0.99997894	0.99999994
1700095J03F	0.00027351	0.00015223	0.00024761	-9.54E-05	0.99482615	0.99999994
Tex15	0.00027329	0.00015199	0.00024741	-9.54E-05	0.99487469	0.99999994
lqcf5	0.00027329	0.00015199	0.00024741	-9.54E-05	0.99487469	0.99999994
Serpinb11	0.00017188	6.01E-05	0.00015561	-9.55E-05	0.99997794	0.99999994
Has3	0.00066078	0.00050256	0.00059805	-9.55E-05	0.85608795	0.99999994
Hspa1l	0.00071888	0.0005551	0.00065061	-9.55E-05	0.83577228	0.99999994
Cped1	0.00137149	0.00114517	0.0012407	-9.55E-05	0.69584897	0.99999994
Slamf1	0.00777262	0.00690531	0.00700091	-9.56E-05	0.53621308	0.99999994
Cd72	0.00017241	6.05E-05	0.0001561	-9.56E-05	0.99997717	0.99999994
Gm15689	0.00017257	6.06E-05	0.00015624	-9.56E-05	0.99997693	0.99999994
Gm43409	0.00027192	0.00015047	0.00024618	-9.57E-05	0.99516891	0.99999994
Hs3st5	0.00017318	6.10E-05	0.00015679	-9.58E-05	0.99997603	0.99999994
Pilra	0.00017368	6.14E-05	0.00015724	-9.59E-05	0.99997524	0.99999994
Prap1	0.00017368	6.14E-05	0.00015724	-9.59E-05	0.99997524	0.99999994
Ccdc33	0.00076653	0.00059769	0.00069371	-9.60E-05	0.82155901	0.99999994
Gm26604	0.00017452	6.20E-05	0.000158	-9.60E-05	0.99997387	0.99999994
Got1l1	0.00017467	6.21E-05	0.00015814	-9.61E-05	0.99997361	0.99999994
Sp100	0.00017472	6.21E-05	0.00015819	-9.61E-05	0.99997353	0.99999994
Psg17	0.00017474	6.21E-05	0.0001582	-9.61E-05	0.99997351	0.99999994
Gpr68	0.00104137	0.00084618	0.00094227	-9.61E-05	0.75136506	0.99999994
Ankrd34a	0.00017496	6.23E-05	0.00015841	-9.61E-05	0.99997312	0.99999994
Serpina5	0.00017499	6.23E-05	0.00015843	-9.61E-05	0.99997308	0.99999994
Lum	0.00539795	0.00477361	0.00486983	-9.62E-05	0.55231861	0.99999994

B4galnt3	0.00026925	0.00014753	0.00024376	-9.62E-05	0.99570187	0.99999994
Exd1	0.00173155	0.0014698	0.00156604	-9.62E-05	0.65874547	0.99999994
Slc16a4	0.00017581	6.29E-05	0.00015917	-9.63E-05	0.99997163	0.99999994
Gm2663	0.00017609	6.31E-05	0.00015943	-9.63E-05	0.99997112	0.99999994
Zc3h12d	0.00017613	6.31E-05	0.00015946	-9.63E-05	0.99997105	0.99999994
Adra1a	0.00026832	0.00014651	0.00024291	-9.64E-05	0.99587534	0.99999994
Gm28321	0.00017716	6.39E-05	0.0001604	-9.65E-05	0.99996909	0.99999994
Scarf2	0.00237886	0.00205394	0.00215053	-9.66E-05	0.61751741	0.99999994
Tnfrsf19	0.00096797	0.00077924	0.0008759	-9.67E-05	0.76870032	0.99999994
Figl1	0.01508079	0.01341995	0.01351663	-9.67E-05	0.5189868	0.99999994
Gpr132	0.00017801	6.45E-05	0.00016117	-9.67E-05	0.99996738	0.99999994
Cd33	0.00017898	6.52E-05	0.00016205	-9.69E-05	0.99996532	0.99999994
Fes	0.00228746	0.00197114	0.00206802	-9.69E-05	0.62241576	0.99999994
Clec4d	0.00026441	0.00014227	0.00023937	-9.71E-05	0.99653449	0.99999994
Ddx43	0.00026418	0.00014202	0.00023916	-9.71E-05	0.99657064	0.99999994
Sec14l3	0.00018067	6.64E-05	0.00016357	-9.71E-05	0.99996146	0.99999994
A630001G21	0.00018075	6.65E-05	0.00016365	-9.72E-05	0.99996125	0.99999994
Cwh43	0.00018075	6.65E-05	0.00016365	-9.72E-05	0.99996125	0.99999994
Cfh	0.00300633	0.00261941	0.00271661	-9.72E-05	0.59411836	0.99999994
Mocos	0.00018106	6.67E-05	0.00016392	-9.72E-05	0.99996051	0.99999994
Gm26789	0.00076406	0.00059425	0.00069148	-9.72E-05	0.82535228	0.99999994
Orc1	0.00231175	0.00199263	0.00208995	-9.73E-05	0.62169887	0.99999994
A330032B11	0.00018188	6.73E-05	0.00016467	-9.74E-05	0.99995842	0.99999994
Muc16	0.00090097	0.00071791	0.00081531	-9.74E-05	0.78675208	0.99999994
Gm16212	0.00018255	6.78E-05	0.00016527	-9.75E-05	0.99995667	0.99999994
BC024139	0.00167705	0.00141933	0.0015168	-9.75E-05	0.66558855	0.99999994
Htr1b	0.00018267	6.79E-05	0.00016538	-9.75E-05	0.99995633	0.99999994
Col24a1	0.00026207	0.00013977	0.00023726	-9.75E-05	0.99688243	0.99999994
Ggt6	0.00026207	0.00013977	0.00023726	-9.75E-05	0.99688243	0.99999994
Dnmbp	0.00026207	0.00013977	0.00023726	-9.75E-05	0.99688243	0.99999994

Ifit3b	0.00148518	0.0012459	0.00134344	-9.75E-05	0.68555422	0.99999994
Sult6b1	0.00018355	6.86E-05	0.00016618	-9.76E-05	0.99995387	0.99999994
Fpr1	0.00026116	0.00013879	0.00023643	-9.76E-05	0.9970094	0.99999994
Exoc3l4	0.00892893	0.00793844	0.00803613	-9.77E-05	0.53224773	0.99999994
Gm14862	0.00018423	6.91E-05	0.00016679	-9.77E-05	0.9999519	0.99999994
Inhbb	0.00463397	0.00408493	0.00418277	-9.78E-05	0.56186743	0.99999994
Barhl1	0.00139364	0.00116286	0.00126072	-9.79E-05	0.69731215	0.99999994
Atp6v1c2	0.00025969	0.00013724	0.0002351	-9.79E-05	0.99720404	0.99999994
Gm28182	0.00018552	7.00E-05	0.00016797	-9.79E-05	0.9999479	0.99999994
Kcnq5	0.00018556	7.01E-05	0.000168	-9.79E-05	0.99994779	0.99999994
A730011C13	0.00018556	7.01E-05	0.000168	-9.79E-05	0.99994779	0.99999994
Cfb	0.00018556	7.01E-05	0.000168	-9.79E-05	0.99994779	0.99999994
Snai3	0.00025903	0.00013654	0.00023451	-9.80E-05	0.9972875	0.99999994
Adamts12	0.00025881	0.00013631	0.0002343	-9.80E-05	0.9973153	0.99999994
Ddx60	0.00018607	7.05E-05	0.00016846	-9.80E-05	0.99994612	0.99999994
Gm16630	0.00018607	7.05E-05	0.00016846	-9.80E-05	0.99994612	0.99999994
Gm26648	0.00025867	0.00013616	0.00023418	-9.80E-05	0.99733252	0.99999994
Clec12a	0.00018667	7.09E-05	0.000169	-9.81E-05	0.99994412	0.99999994
Gm15494	0.00018682	7.10E-05	0.00016914	-9.81E-05	0.99994358	0.99999994
Palb2	0.0095944	0.00853303	0.00863117	-9.81E-05	0.53016688	0.99999994
Acap1	0.0002573	0.00013472	0.00023294	-9.82E-05	0.99749672	0.99999994
Themis	0.00018822	7.21E-05	0.00017041	-9.83E-05	0.99993855	0.99999994
Gm29562	0.00106245	0.00086296	0.00096133	-9.84E-05	0.75209833	0.99999994
Gzma	0.0001889	7.26E-05	0.00017102	-9.84E-05	0.99993597	0.99999994
Lhx2	0.00025565	0.000133	0.00023145	-9.84E-05	0.99768132	0.99999994
Gm3830	0.00025553	0.00013288	0.00023134	-9.85E-05	0.99769456	0.99999994
Wnt6	0.00025535	0.00013269	0.00023118	-9.85E-05	0.99771354	0.99999994
Agtr2	0.00025535	0.00013269	0.00023118	-9.85E-05	0.99771354	0.99999994
Cd28	0.00025526	0.00013259	0.00023109	-9.85E-05	0.99772369	0.99999994
Angptl8	0.01163302	0.0103522	0.01045073	-9.85E-05	0.52502007	0.99999994

Cyp4f14	0.00019003	7.35E-05	0.00017204	-9.86E-05	0.99993142	0.99999994
Pde11a	0.00019033	7.37E-05	0.00017232	-9.86E-05	0.99993014	0.99999994
Gdf9	0.00019065	7.40E-05	0.00017261	-9.86E-05	0.99992877	0.99999994
Tlr13	0.0001908	7.41E-05	0.00017274	-9.87E-05	0.99992816	0.99999994
C130071C03I	0.0001908	7.41E-05	0.00017274	-9.87E-05	0.99992816	0.99999994
Ccl20	0.00076037	0.00058944	0.00068814	-9.87E-05	0.8301486	0.99999994
Clec4n	0.00019178	7.48E-05	0.00017363	-9.88E-05	0.99992378	0.99999994
Otog	0.00025297	0.00013023	0.00022902	-9.88E-05	0.99795591	0.99999994
AA474408	0.02207558	0.0195943	0.01969316	-9.89E-05	0.5133277	0.99999994
Vipr2	0.00171897	0.0014558	0.00155467	-9.89E-05	0.66397818	0.99999994
Xkrx	0.00019289	7.57E-05	0.00017463	-9.89E-05	0.99991851	0.99999994
Gm29609	0.000193	7.58E-05	0.00017474	-9.89E-05	0.99991794	0.99999994
Gm9968	0.000193	7.58E-05	0.00017474	-9.89E-05	0.99991794	0.99999994
Mybl1	0.00019357	7.63E-05	0.00017525	-9.90E-05	0.9999151	0.99999994
Chp2	0.00019357	7.63E-05	0.00017525	-9.90E-05	0.9999151	0.99999994
Ccr6	0.00019451	7.70E-05	0.0001761	-9.91E-05	0.9999102	0.99999994
2310043M15	0.00019451	7.70E-05	0.0001761	-9.91E-05	0.9999102	0.99999994
Mlana	0.00019542	7.77E-05	0.00017692	-9.92E-05	0.99990525	0.99999994
B430306N03	0.00024935	0.00012653	0.00022575	-9.92E-05	0.99828027	0.99999994
Tspear	0.00538202	0.00475625	0.00485552	-9.93E-05	0.55412646	0.99999994
Tnfsf13os	0.00024849	0.00012566	0.00022497	-9.93E-05	0.99835032	0.99999994
Sp140	0.00151465	0.00127068	0.00137007	-9.94E-05	0.68539882	0.99999994
Ugt2b5	0.00024676	0.00012391	0.0002234	-9.95E-05	0.9984832	0.99999994
Cst8	0.00024676	0.00012391	0.0002234	-9.95E-05	0.9984832	0.99999994
Mstn	0.00024614	0.00012329	0.00022284	-9.95E-05	0.99852821	0.99999994
4921511C10I	0.00024614	0.00012329	0.00022284	-9.95E-05	0.99852821	0.99999994
Gli1	0.00019871	8.04E-05	0.00017991	-9.96E-05	0.99988486	0.99999994
Cav3	0.00024601	0.00012316	0.00022272	-9.96E-05	0.99853721	0.99999994
Magel2	0.00024601	0.00012316	0.00022272	-9.96E-05	0.99853721	0.99999994
Hsd3b7	0.00024601	0.00012316	0.00022272	-9.96E-05	0.99853721	0.99999994

Gm9951	0.00024601	0.00012316	0.00022272	-9.96E-05	0.99853721	0.99999994
Krt33b	0.00024601	0.00012316	0.00022272	-9.96E-05	0.99853721	0.99999994
Gm867	0.00019881	8.04E-05	0.00018	-9.96E-05	0.99988419	0.99999994
Gm26513	0.00185917	0.00158174	0.00168131	-9.96E-05	0.65328813	0.99999994
Olfml2a	0.00024464	0.00012179	0.00022148	-9.97E-05	0.99863242	0.99999994
Slc44a5	0.00024464	0.00012179	0.00022148	-9.97E-05	0.99863242	0.99999994
Izumo1r	0.00024464	0.00012179	0.00022148	-9.97E-05	0.99863242	0.99999994
Gm29431	0.00024464	0.00012179	0.00022148	-9.97E-05	0.99863242	0.99999994
Runx3	0.00024427	0.00012142	0.00022114	-9.97E-05	0.99865721	0.99999994
Cdhr4	0.00024357	0.00012073	0.00022051	-9.98E-05	0.99870218	0.99999994
Olig1	0.00024352	0.00012068	0.00022047	-9.98E-05	0.99870533	0.99999994
Gm43915	0.00024249	0.00011966	0.00021954	-9.99E-05	0.99876959	0.99999994
G630030J09I	0.00020241	8.34E-05	0.00018325	-9.99E-05	0.99985717	0.99999994
Gm12905	0.00024226	0.00011944	0.00021933	-9.99E-05	0.99878364	0.99999994
Rbakdn	0.00024209	0.00011927	0.00021917	-9.99E-05	0.99879388	0.99999994
Slc6a4	0.00024209	0.00011927	0.00021917	-9.99E-05	0.99879388	0.99999994
Dmc1	0.00020315	8.40E-05	0.00018392	-9.99E-05	0.99985094	0.99999994
Cyp26a1	0.00020315	8.40E-05	0.00018392	-9.99E-05	0.99985094	0.99999994
Gm28836	0.00020315	8.40E-05	0.00018392	-9.99E-05	0.99985094	0.99999994
Zmynd10	0.00285566	0.00248075	0.00258073	-1.00E-04	0.60174595	0.99999994
Mdga2	0.00020399	8.47E-05	0.00018469	-0.0001	0.99984347	0.99999994
Ch25h	0.0002045	8.51E-05	0.00018515	-0.0001	0.99983883	0.99999994
Adamts20	0.00020451	8.51E-05	0.00018515	-0.0001	0.99983879	0.99999994
Cd247	0.00020595	8.63E-05	0.00018646	-0.0001001	0.99982483	0.99999994
Rab38	0.0011743	0.0009623	0.00106245	-0.0001002	0.73482862	0.99999994
Il10ra	0.00020658	8.68E-05	0.00018703	-0.0001002	0.99981848	0.99999994
Gabrp	0.00020712	8.73E-05	0.00018751	-0.0001002	0.99981281	0.99999994
Comp	0.0002072	8.74E-05	0.00018759	-0.0001002	0.99981196	0.99999994
H2-Q10	0.0010656	0.00086385	0.00096418	-0.0001003	0.75574626	0.99999994
A930006L05I	0.00023554	0.0001129	0.00021324	-0.0001003	0.99913263	0.99999994

Cybb	0.0002343	0.00011171	0.00021212	-0.0001004	0.99918572	0.99999994
E330013P04I	0.0002343	0.00011171	0.00021212	-0.0001004	0.99918572	0.99999994
Gm19345	0.00021053	9.02E-05	0.0001906	-0.0001004	0.99977292	0.99999994
Gm14010	0.0002111	9.07E-05	0.00019112	-0.0001004	0.99976554	0.99999994
Gm3510	0.00023351	0.00011096	0.0002114	-0.0001004	0.99921824	0.99999994
Gm16045	0.00021153	9.11E-05	0.00019151	-0.0001005	0.99975977	0.99999994
Fpr2	0.00021195	9.14E-05	0.00019189	-0.0001005	0.9997541	0.99999994
Gjb3	0.00021277	9.21E-05	0.00019263	-0.0001005	0.99974257	0.99999994
Clhc1	0.00021277	9.21E-05	0.00019263	-0.0001005	0.99974257	0.99999994
L3mbtl4	0.00021346	9.27E-05	0.00019325	-0.0001005	0.99973256	0.99999994
Rtl1	0.00023131	0.00010888	0.00020941	-0.0001005	0.99930199	0.99999994
Sdr9c7	0.00023102	0.00010861	0.00020915	-0.0001005	0.99931234	0.99999994
Fendrr	0.000231	0.00010859	0.00020913	-0.0001005	0.99931313	0.99999994
Tmem30c	0.00023098	0.00010857	0.00020911	-0.0001005	0.99931392	0.99999994
Sirpb1c	0.00023092	0.00010852	0.00020906	-0.0001005	0.99931589	0.99999994
Il25	0.00021416	9.33E-05	0.00019388	-0.0001006	0.99972197	0.99999994
Gm5129	0.00021475	9.39E-05	0.00019443	-0.0001006	0.99971259	0.99999994
Il13	0.00021495	9.40E-05	0.0001946	-0.0001006	0.99970954	0.99999994
Hlx	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
Itga8	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
Fibin	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
AU015836	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
Pcdh18	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
Frem1	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
Kbtbd12	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
Slc7a9	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
Tbx2	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
Hoxb5os	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
Tfap2a	0.00021516	9.42E-05	0.00019479	-0.0001006	0.99970614	0.99999994
F830016B08	0.00021548	9.45E-05	0.00019509	-0.0001006	0.9997008	0.99999994

Slc22a1	0.00022902	0.00010673	0.00020734	-0.0001006	0.99938064	0.99999994
Gm28523	0.00022686	0.00010474	0.00020539	-0.0001007	0.9994469	0.99999994
Gnb5	0.00022686	0.00010474	0.00020539	-0.0001007	0.9994469	0.99999994
Pdzk1	0.00022628	0.0001042	0.00020486	-0.0001007	0.99946373	0.99999994
Cend1	0.00021947	9.80E-05	0.0001987	-0.0001007	0.99962771	0.99999994
Dsg3	0.00022493	0.00010296	0.00020364	-0.0001007	0.99950078	0.99999994
Car4	0.00022457	0.00010263	0.00020332	-0.0001007	0.99951014	0.99999994
Dancr	0.00022178	0.00010009	0.00020079	-0.0001007	0.99957823	0.99999994
Kcne4	0.00022232	0.00010058	0.00020128	-0.0001007	0.99956578	0.99999994
Gm42846	0.00072573	0.00055601	0.0006568	-0.0001008	0.8464997	0.99999994
Gm17025	0.00075868	0.00058574	0.00068661	-0.0001009	0.835946	0.99999994
Gpihbp1	0.00053507	0.00038315	0.00048432	-0.0001012	0.91781141	0.99999994
4933430I17R	0.00243649	0.00210122	0.00220254	-0.0001013	0.62027116	0.99999994
Cacna2d2	0.00233575	0.00201013	0.00211162	-0.0001015	0.62547634	0.99999994
Gm28875	0.00064177	0.000479	0.00058086	-0.0001019	0.87845435	0.99999994
Clcnkb	0.00208558	0.00178375	0.00188577	-0.000102	0.64061032	0.99999994
Gm10655	0.00190222	0.00161788	0.00172019	-0.0001023	0.65390802	0.99999994
Sptb	0.00083279	0.00065094	0.00075365	-0.0001027	0.81783159	0.99999994
Uqcc3	0.6533425	0.36903837	0.36914117	-0.0001028	0.5007395	0.99999994
Bco2	0.00076743	0.00059113	0.00069453	-0.0001034	0.83915144	0.99999994
Pcdhb18	0.00495328	0.00436648	0.00447002	-0.0001035	0.56126837	0.99999994
Gm20692	0.00401806	0.00352475	0.00362835	-0.0001036	0.575365	0.99999994
Rmdn2	0.01359467	0.01209312	0.01219686	-0.0001037	0.52257307	0.99999994
2310001K24I	0.00131992	0.00109023	0.00119409	-0.0001039	0.71868513	0.99999994
Reg3d	0.00054076	0.00038516	0.00048947	-0.0001043	0.92198654	0.99999994
Foxf1	0.00098669	0.00078829	0.00089282	-0.0001045	0.78211236	0.99999994
lp6k3	0.00113	0.00091779	0.0010224	-0.0001046	0.75208443	0.99999994
Khynyn	0.03328045	0.02936268	0.02946746	-0.0001048	0.50944077	0.99999994
Npas4	0.00977831	0.00868971	0.00879552	-0.0001058	0.53191424	0.99999994
Morc4	0.02203521	0.01955179	0.01965767	-0.0001059	0.51430007	0.99999994

Gm13307	0.0046451	0.00408676	0.00419278	-0.000106	0.56683543	0.99999994
Nccrp1	0.0113042	0.01005092	0.01015758	-0.0001067	0.52786278	0.99999994
Cxcr4	0.00300717	0.00261059	0.00271736	-0.0001068	0.60316453	0.99999994
Itgb2	0.00061688	0.00045143	0.00055834	-0.0001069	0.89877334	0.99999994
Trim10	0.00056277	0.00040175	0.00050938	-0.0001076	0.92019986	0.99999994
C1qtnf7	0.00071298	0.00053758	0.00064527	-0.0001077	0.8667073	0.99999994
F2rl3	0.00074337	0.00056503	0.00067276	-0.0001077	0.85676893	0.99999994
Gm29502	0.00057575	0.00041288	0.00052113	-0.0001082	0.91661742	0.99999994
Abcd2	0.00251981	0.00216931	0.00227772	-0.0001084	0.62430965	0.99999994
Igtp	0.01317715	0.01171695	0.01182559	-0.0001086	0.52438224	0.99999994
Kcnn4	0.00288152	0.00249524	0.00260405	-0.0001088	0.60954542	0.99999994
Dusp2	0.0026736	0.0023073	0.00241649	-0.0001092	0.61819782	0.99999994
Dars2	0.02522713	0.02234788	0.02245715	-0.0001093	0.51291876	0.99999994
Col25a1	0.00268276	0.0023148	0.00242476	-0.00011	0.61861187	0.99999994
Cep250	0.02030618	0.01802541	0.01813622	-0.0001108	0.51622085	0.99999994
Epsti1	0.00169254	0.00141989	0.0015308	-0.0001109	0.68517956	0.99999994
Gm27003	0.01563245	0.01389488	0.01400587	-0.000111	0.5210331	0.99999994
Vmn2r29	0.00074277	0.00056109	0.00067222	-0.0001111	0.86442702	0.99999994
Lama2	0.000518	0.00035759	0.00046888	-0.0001113	0.9429332	0.99999994
2610206C17I	0.00097363	0.00076962	0.00088102	-0.0001114	0.80000959	0.99999994
Ppp1r18os	0.0013265	0.00108842	0.00120003	-0.0001116	0.73206884	0.99999994
Fam229a	0.00161356	0.00134764	0.00145944	-0.0001118	0.69494325	0.99999994
Ltbr	0.06850019	0.05915117	0.05926331	-0.0001121	0.50502489	0.99999994
Hvcn1	0.00073592	0.00055384	0.00066603	-0.0001122	0.8689131	0.99999994
Rin1	0.00092281	0.00072257	0.00083506	-0.0001125	0.81505136	0.99999994
Calml3	0.00125767	0.00102531	0.00113782	-0.0001125	0.74478414	0.99999994
Hilpda	0.13160883	0.10868892	0.10880169	-0.0001128	0.50275231	0.99999994
Lrrtm4	0.00203413	0.0017265	0.00183932	-0.0001128	0.6584607	0.99999994
Gm29125	0.00134529	0.00110406	0.00121702	-0.000113	0.73164941	0.99999994
Sorbs3	0.00165873	0.00138696	0.00150025	-0.0001133	0.69240477	0.99999994

Frs3	0.03927141	0.03452052	0.03463397	-0.0001135	0.50869814	0.99999994
Cks1brt	0.01395329	0.01240203	0.01251557	-0.0001135	0.5240775	0.99999994
Gm128	0.00060719	0.00043595	0.00054957	-0.0001136	0.91561689	0.99999994
Tmem72	0.00155305	0.00129108	0.00140477	-0.0001137	0.70495373	0.99999994
Gm16188	0.00073562	0.00055201	0.00066575	-0.0001137	0.87228148	0.99999994
9230111E07I	0.00054398	0.00037857	0.00049238	-0.0001138	0.93803857	0.99999994
Kel	0.00073367	0.0005501	0.00066399	-0.0001139	0.87320478	0.99999994
Fam180a	0.00084769	0.00065306	0.00076712	-0.0001141	0.83885107	0.99999994
Fabp7	0.00596141	0.00526189	0.00537612	-0.0001142	0.55623529	0.99999994
Ggta1	0.00145074	0.00119787	0.00131232	-0.0001144	0.71920999	0.99999994
Gm20406	0.00132252	0.00108192	0.00119644	-0.0001145	0.73797865	0.99999994
Gm16552	0.0006512	0.00047471	0.00058939	-0.0001147	0.90236906	0.99999994
Them7	0.00071667	0.00053361	0.00064861	-0.000115	0.88103628	0.99999994
BC106179	0.00072915	0.0005443	0.0006599	-0.0001156	0.87820993	0.99999994
Pif1	0.00057903	0.00040845	0.00052409	-0.0001156	0.92904404	0.99999994
Ablim3	0.0008313	0.00063656	0.0007523	-0.0001157	0.84710128	0.99999994
Onecut1	0.00767024	0.00679336	0.00690918	-0.0001158	0.54442209	0.99999994
Bglap3	0.0007172	0.00053325	0.0006491	-0.0001158	0.88257058	0.99999994
Thrsp	0.00072598	0.00054107	0.00065703	-0.000116	0.8799706	0.99999994
Lgr5	0.00073436	0.00054846	0.00066462	-0.0001162	0.87765844	0.99999994
Mpzl2	0.00500251	0.00439806	0.00451429	-0.0001162	0.56804261	0.99999994
Slc8a3	0.00053704	0.00036977	0.0004861	-0.0001163	0.94440883	0.99999994
Hsd17b13	0.00056683	0.00039669	0.00051306	-0.0001164	0.93444427	0.99999994
Depdc1a	0.00189347	0.00159587	0.00171229	-0.0001164	0.67458045	0.99999994
E2f3	0.02573474	0.02278469	0.02290124	-0.0001165	0.51351172	0.99999994
Traf1	0.00056904	0.0003981	0.00051505	-0.0001169	0.93465436	0.99999994
Pdpr	0.00860583	0.00763001	0.00774703	-0.000117	0.54004581	0.99999994
Lcn5	0.00095054	0.00074294	0.00086014	-0.0001172	0.81777948	0.99999994
Batf3	0.0006802	0.00049743	0.00061562	-0.0001182	0.8993607	0.99999994
Tacstd2	0.0004917	0.00032672	0.00044508	-0.0001184	0.96163866	0.99999994

Sema3e	0.00413343	0.00361371	0.00373224	-0.0001185	0.58370788	0.99999994
Rab3il1	0.01062922	0.00943681	0.00955542	-0.0001186	0.53292405	0.99999994
2610035D17	0.01780233	0.01580785	0.01592671	-0.0001189	0.51980892	0.99999994
Diaph3	0.00303107	0.00261993	0.00273892	-0.000119	0.61377688	0.99999994
Kcnip2	0.00337815	0.00293275	0.00305182	-0.0001191	0.6024594	0.99999994
Ccl7	0.00052585	0.00035666	0.00047597	-0.0001193	0.95239927	0.99999994
Matn1	0.0010065	0.0007914	0.00091074	-0.0001193	0.80844859	0.99999994
Gm26640	0.00126515	0.00102502	0.00114458	-0.0001196	0.75656469	0.99999994
Ms4a8a	0.00053143	0.00036144	0.00048102	-0.0001196	0.95101648	0.99999994
Nckap5los	0.00064429	0.00046338	0.00058313	-0.0001198	0.91417513	0.99999994
Zdhhc22	0.00053699	0.0003663	0.00048606	-0.0001198	0.94950168	0.99999994
Dclk3	0.00502498	0.00441434	0.00453451	-0.0001202	0.57000753	0.99999994
Reep1	0.00119712	0.00096262	0.00108309	-0.0001205	0.770454	0.99999994
Gm16136	0.00562893	0.00495667	0.00507743	-0.0001208	0.56289555	0.99999994
Podxl	0.01775405	0.0157632	0.01588403	-0.0001208	0.52019108	0.99999994
Cd52	0.00798398	0.00706935	0.00719026	-0.0001209	0.54455809	0.99999994
Gm20443	0.00055052	0.00037739	0.0004983	-0.0001209	0.9468644	0.99999994
Tns4	0.00168112	0.00139913	0.00152048	-0.0001214	0.70237959	0.99999994
Zfp534	0.00329386	0.00285352	0.00297585	-0.0001223	0.60781858	0.99999994
Mboat1	0.00800523	0.00708693	0.00720929	-0.0001224	0.54497341	0.99999994
Gm13889	0.00084824	0.00064515	0.00076762	-0.0001225	0.85586697	0.99999994
Prss34	0.00130046	0.00105385	0.0011765	-0.0001227	0.7561386	0.99999994
Gm28809	0.00116923	0.00093515	0.00105787	-0.0001227	0.77999397	0.99999994
Anks1b	0.00096505	0.00075044	0.00087326	-0.0001228	0.82541406	0.99999994
Gm11640	0.00050535	0.0003344	0.00045742	-0.000123	0.96328767	0.99999994
Fbxo24	0.00114115	0.00090922	0.00103249	-0.0001233	0.78660897	0.99999994
Slitrk1	0.00068099	0.0004929	0.00061634	-0.0001234	0.90875216	0.99999994
Lat	0.00062514	0.00044201	0.00056581	-0.0001238	0.9273593	0.99999994
1700067K01	0.00104329	0.00082012	0.00094401	-0.0001239	0.80882052	0.99999994
D630011A20	0.00071778	0.00052568	0.00064962	-0.0001239	0.8979368	0.99999994

Clec4a2	0.0012382	0.00099618	0.00112022	-0.000124	0.76944524	0.99999994
Pkd2l2	0.00148558	0.00121967	0.0013438	-0.0001241	0.73067275	0.99999994
Gm26952	0.00058384	0.00040413	0.00052844	-0.0001243	0.94131123	0.99999994
Acvr2a	0.05942913	0.05159611	0.05172044	-0.0001243	0.50638317	0.99999994
Ifitm6	0.00121379	0.00097327	0.00109815	-0.0001249	0.77547101	0.99999994
Mme1l	0.0080271	0.00710388	0.00722888	-0.000125	0.54581733	0.99999994
Ccdc190	0.00506352	0.00444371	0.00456916	-0.0001254	0.57250449	0.99999994
Ppm1n	0.00158905	0.00131181	0.0014373	-0.0001255	0.71943267	0.99999994
Adcy7	0.00050155	0.00032843	0.00045398	-0.0001256	0.96718273	0.99999994
Hnmt	0.00239083	0.00203569	0.00216133	-0.0001256	0.65059747	0.99999994
Hes7	0.00370468	0.00322018	0.00334607	-0.0001259	0.59887069	0.99999994
Aqp5	0.00071519	0.00052136	0.00064727	-0.0001259	0.90230569	0.99999994
Syt15	0.00088064	0.00067093	0.00079692	-0.000126	0.85368118	0.99999994
Gm11266	0.00114053	0.00090572	0.00103193	-0.0001262	0.79221206	0.99999994
Chst15	0.01465161	0.01300953	0.01313576	-0.0001262	0.52550085	0.99999994
Unc5cl	0.00153055	0.00125787	0.00138444	-0.0001266	0.72857832	0.99999994
Pex16	0.1706763	0.13670282	0.13682939	-0.0001266	0.50245637	0.99999994
Serpina3a	0.00104239	0.00081635	0.0009432	-0.0001268	0.81465853	0.99999994
Gm4787	0.00184455	0.00154077	0.0016681	-0.0001273	0.69431986	0.99999994
Dnah2os	0.00049986	0.00032484	0.00045246	-0.0001276	0.96977279	0.99999994
Sp2	0.04662892	0.04079548	0.04092313	-0.0001276	0.5082824	0.99999994
Gm6685	0.00115074	0.00091205	0.00104116	-0.0001291	0.79542728	0.99999994
Fermt3	0.00208955	0.0017601	0.00188935	-0.0001293	0.67557488	0.99999994
Hspb7	0.00086386	0.00065207	0.00078175	-0.0001297	0.86523969	0.99999994
Ins15	0.00074634	0.00054557	0.00067545	-0.0001299	0.89971713	0.99999994
1700042O10	0.00613985	0.00540645	0.00553637	-0.0001299	0.56205909	0.99999994
Gm10638	0.00389443	0.00338704	0.003517	-0.00013	0.59715101	0.99999994
1700125G22	0.00121502	0.00096908	0.00109927	-0.0001302	0.7847404	0.99999994
Ccno	0.00049657	0.00031922	0.00044948	-0.0001303	0.97313787	0.99999994
Klhl23	0.02760163	0.02440147	0.02453196	-0.0001305	0.51412135	0.99999994

Mgarp	0.00194503	0.00162829	0.00175885	-0.0001306	0.68939454	0.99999994
Lmod3	0.00078076	0.00057596	0.00070658	-0.0001306	0.89075171	0.99999994
A330048O09	0.00068968	0.0004934	0.00062419	-0.0001308	0.91846218	0.99999994
Otud7a	0.00128111	0.00102813	0.00115901	-0.0001309	0.77387024	0.99999994
Mettl15	0.05509233	0.04795163	0.04808253	-0.0001309	0.50722938	0.99999994
Sema5b	0.00067429	0.000479	0.00061027	-0.0001313	0.92390596	0.99999994
Eif1ad	0.20028471	0.1567838	0.15691517	-0.0001314	0.50222331	0.99999994
Zwilch	0.00414247	0.00360898	0.00374037	-0.0001314	0.59243715	0.99999994
6430573P05I	0.00535501	0.00469974	0.00483124	-0.0001315	0.57188748	0.99999994
4833413G10	0.00227648	0.00192623	0.00205812	-0.0001319	0.66515072	0.99999994
Adam8	0.00295643	0.00253955	0.00267161	-0.0001321	0.62893942	0.99999994
Eif1ax	0.53936589	0.3294709	0.32960302	-0.0001321	0.50106444	0.99999994
Stpg1	0.00237202	0.00201197	0.00214435	-0.0001324	0.65943099	0.99999994
Gm44418	0.00080277	0.00059404	0.00072649	-0.0001325	0.88754932	0.99999994
Card10	0.00831485	0.00735365	0.00748656	-0.0001329	0.54703516	0.99999994
9530082P21I	0.0016364	0.00134711	0.00148007	-0.000133	0.7250678	0.99999994
Smg7	0.1104859	0.09275351	0.09288658	-0.0001331	0.50380421	0.99999994
Gm14002	0.001292	0.00103572	0.00116885	-0.0001331	0.77582088	0.99999994
Nphp4	0.02886365	0.02549852	0.02563202	-0.0001335	0.51382798	0.99999994
Tuba8	0.00078272	0.00057484	0.00070836	-0.0001335	0.89520001	0.99999994
Gm12279	0.00061809	0.00042573	0.00055943	-0.0001337	0.94417353	0.99999994
Ccdc178	0.00319987	0.00275737	0.00289112	-0.0001337	0.62093104	0.99999994
Nat1	0.0023363	0.00197831	0.00211211	-0.0001338	0.66336616	0.99999994
Adamts13	0.00051635	0.00033328	0.00046737	-0.0001341	0.9719233	0.99999994
Epha1	0.00937127	0.00829755	0.00843171	-0.0001342	0.54217479	0.99999994
Crygn	0.00069997	0.00049922	0.0006335	-0.0001343	0.92087303	0.99999994
Dhtkd1	0.00501226	0.00438807	0.00452307	-0.000135	0.57873997	0.99999994
Ms4a7	0.00182671	0.00151693	0.00165199	-0.0001351	0.70684367	0.99999994
Wipf1	0.04695108	0.04106144	0.04119711	-0.0001357	0.50874436	0.99999994
Cdkn2a	0.00080699	0.00059428	0.00073031	-0.000136	0.89248009	0.99999994

Nlrc3	0.00074518	0.0005383	0.0006744	-0.0001361	0.9104169	0.99999994
Timd4	0.00055915	0.0003699	0.00050611	-0.0001362	0.96338224	0.99999994
Icam1	0.00175782	0.00145335	0.00158977	-0.0001364	0.71606502	0.99999994
Gm4349	0.00054426	0.00035603	0.00049264	-0.0001366	0.96754343	0.99999994
Hcn2	0.00432732	0.00377011	0.00390679	-0.0001367	0.59206808	0.99999994
Lrrc10	0.00086244	0.00064365	0.00078046	-0.0001368	0.87836621	0.99999994
Ldhal6b	0.00119025	0.00093982	0.00107688	-0.0001371	0.80154166	0.99999994
Gm26944	0.00092055	0.0006959	0.00083302	-0.0001371	0.86338979	0.99999994
Gm5544	0.00092965	0.00070412	0.00084125	-0.0001371	0.86103697	0.99999994
Cyp4f15	0.00134944	0.0010836	0.00122077	-0.0001372	0.77274037	0.99999994
Far2	0.00180139	0.00149181	0.00162912	-0.0001373	0.71261533	0.99999994
Gm9917	0.00288767	0.00247216	0.00260959	-0.0001374	0.63703336	0.99999994
Adm2	0.00051233	0.000326	0.00046374	-0.0001377	0.97598282	0.99999994
1700034P13I	0.00065098	0.00045141	0.00058919	-0.0001378	0.94021135	0.99999994
St8sia4	0.00287793	0.00246298	0.00260081	-0.0001378	0.63786142	0.99999994
Phf11c	0.00163239	0.0013386	0.00147645	-0.0001379	0.7328631	0.99999994
Klhl6	0.00093577	0.00070891	0.00084678	-0.0001379	0.86075875	0.99999994
Bach2	0.01686852	0.01496279	0.01510076	-0.000138	0.52424685	0.99999994
Sema4f	0.0015025	0.00122108	0.00135909	-0.000138	0.75044943	0.99999994
Irf5	0.00242037	0.00204989	0.00218798	-0.0001381	0.66279843	0.99999994
Gabbr2	0.00089658	0.00067311	0.00081134	-0.0001382	0.87160264	0.99999994
Tfdp1	0.0100272	0.0088796	0.00901788	-0.0001383	0.54064917	0.99999994
Fanca	0.00275828	0.00235454	0.00249288	-0.0001383	0.64408582	0.99999994
Gm17477	0.00320824	0.00276024	0.00289866	-0.0001384	0.62470544	0.99999994
Aspn	0.00093558	0.00070794	0.00084661	-0.0001387	0.86219986	0.99999994
Cyp11a1	0.00163243	0.00133774	0.00147649	-0.0001388	0.73418944	0.99999994
Slc1a2	0.00157805	0.00128841	0.00142735	-0.0001389	0.74149955	0.99999994
Sh3bp2	0.00936609	0.00828776	0.00842708	-0.0001393	0.54381482	0.99999994
Gm14019	0.00155313	0.0012653	0.00140484	-0.0001395	0.74574195	0.99999994
Rhbdl3	0.03709925	0.03262568	0.03276548	-0.0001398	0.51132849	0.99999994

Lrrc75aos2	0.0060622	0.00532669	0.00546664	-0.00014	0.56765672	0.99999994
Gm26793	0.00115449	0.00090457	0.00104455	-0.00014	0.81380699	0.99999994
Cacna1s	0.00050287	0.00031518	0.00045518	-0.00014	0.97968863	0.99999994
Ttc30a2	0.00055082	0.00035855	0.00049857	-0.00014	0.96921496	0.99999994
Gpatch1	0.0977426	0.08284466	0.08298497	-0.0001403	0.50448981	0.99999994
Eda	0.00735133	0.00648265	0.00662334	-0.0001407	0.55622013	0.99999994
Pkdrej	0.0011359	0.00088692	0.00102773	-0.0001408	0.81912667	0.99999994
Zfp804b	0.00063084	0.00043006	0.00057096	-0.0001409	0.94977241	0.99999994
Nap1l5	0.026237	0.02319934	0.02334037	-0.000141	0.51604086	0.99999994
Mab21l3	0.00102931	0.00079003	0.00093137	-0.0001413	0.84379193	0.99999994
Prelp	0.00060882	0.00040955	0.00055104	-0.0001415	0.95628781	0.99999994
Npb	0.00942643	0.00833929	0.00848103	-0.0001417	0.54428822	0.99999994
Prdm8	0.00061792	0.00041731	0.00055927	-0.000142	0.95445505	0.99999994
Oas1a	0.0009005	0.00067287	0.00081489	-0.000142	0.87699216	0.99999994
Serpina3g	0.00152181	0.00123402	0.00137654	-0.0001425	0.75464933	0.99999994
Plcb3	0.02040427	0.01808006	0.01822263	-0.0001426	0.52076606	0.99999994
Igsf6	0.00216672	0.00181631	0.00195903	-0.0001427	0.68614093	0.99999994
Gm28231	0.00068461	0.00047683	0.00061961	-0.0001428	0.93746925	0.99999994
E230025N22	0.00059158	0.00039202	0.00053544	-0.0001434	0.96270621	0.99999994
Gm14399	0.00253584	0.00214836	0.00229219	-0.0001438	0.66191462	0.99999994
Ces5a	0.00158476	0.00128957	0.00143342	-0.0001438	0.74791811	0.99999994
Rsf1os2	0.00100438	0.00076452	0.00090882	-0.0001443	0.8547234	0.99999994
Gm29538	0.00235981	0.00198893	0.00213333	-0.0001444	0.67384317	0.99999994
Dach2	0.0258044	0.0228177	0.02296217	-0.0001445	0.51670208	0.99999994
Gm15336	0.00046156	0.00027333	0.0004178	-0.0001445	0.98932611	0.99999994
Gm43608	0.0006337	0.00042883	0.00057355	-0.0001447	0.95347801	0.99999994
Kcnab3	0.01457671	0.01292443	0.01306927	-0.0001448	0.52940171	0.99999994
Slc6a20b	0.00317001	0.00271933	0.0028642	-0.0001449	0.63181784	0.99999994
Ugt2a3	0.00096368	0.00072706	0.00087202	-0.000145	0.86573874	0.99999994
Mylk3	0.00067239	0.00046333	0.00060856	-0.0001452	0.94391485	0.99999994

Ttl2	0.0006502	0.00044308	0.00058848	-0.0001454	0.94998297	0.99999994
Hmgxb4	0.13623288	0.11206736	0.11221277	-0.0001454	0.50344105	0.99999994
Zfp354b	0.01014453	0.00897715	0.00912268	-0.0001455	0.54228253	0.99999994
Dnaaf1	0.00178414	0.00146799	0.00161354	-0.0001455	0.72588616	0.99999994
Awat2	0.00232931	0.00196024	0.0021058	-0.0001456	0.6772846	0.99999994
Creb5	0.00222513	0.00186604	0.00201176	-0.0001457	0.68514819	0.99999994
Ccl28	0.00111108	0.0008592	0.00100505	-0.0001458	0.83295972	0.99999994
Nts	0.00065327	0.00044537	0.00059126	-0.0001459	0.94974779	0.99999994
Clec2l	0.00066055	0.00045195	0.00059784	-0.0001459	0.94785086	0.99999994
Gm13205	0.01691071	0.01499217	0.0151381	-0.0001459	0.52558116	0.99999994
Pxdc1	0.00091013	0.00067765	0.00082359	-0.0001459	0.88091253	0.99999994
Ptch2	0.00126412	0.00099754	0.00114365	-0.0001461	0.80245472	0.99999994
Dmrta2	0.0010737	0.00082495	0.0009715	-0.0001466	0.84234654	0.99999994
Gm21411	0.00051186	0.00031662	0.00046332	-0.0001467	0.98246562	0.99999994
Lypd2	0.00095361	0.00071618	0.00086291	-0.0001467	0.87116233	0.99999994
Cyp2j5	0.00114388	0.00088804	0.00103496	-0.0001469	0.82764961	0.99999994
Gm17039	0.00053932	0.00034115	0.00048816	-0.000147	0.97749936	0.99999994
Slc22a4	0.00045817	0.0002676	0.00041473	-0.0001471	0.99089662	0.99999994
Chek2	0.00590652	0.00517954	0.00532682	-0.0001473	0.57300692	0.99999994
A730046J19F	0.00066386	0.00045342	0.00060084	-0.0001474	0.94878145	0.99999994
Slc4a5	0.00159556	0.00129563	0.00144318	-0.0001475	0.7519085	0.99999994
Krt79	0.00093939	0.00070246	0.00085005	-0.0001476	0.8761007	0.99999994
Pcdhga4	0.00118513	0.00092448	0.00107224	-0.0001478	0.82050123	0.99999994
Bag3	0.02827154	0.02496825	0.02511613	-0.0001479	0.51563026	0.99999994
Gm16001	0.00093276	0.00069601	0.00084406	-0.000148	0.87849892	0.99999994
Zdhhc15	0.00445279	0.00387128	0.00401973	-0.0001484	0.59708799	0.99999994
Gm10642	0.00370322	0.00319623	0.00334476	-0.0001485	0.61623014	0.99999994
Fads3	0.00600663	0.00526803	0.00541674	-0.0001487	0.57249676	0.99999994
Gm16380	0.0009184	0.00068213	0.00083107	-0.0001489	0.88355146	0.99999994
Rasl2-9	0.00220113	0.00184106	0.00199009	-0.000149	0.69091725	0.99999994

Atp6v0c	0.00152788	0.00123299	0.00138203	-0.000149	0.76356812	0.99999994
Col4a4	0.00390226	0.00337469	0.00352406	-0.0001494	0.61107839	0.99999994
Eva1c	0.00061322	0.0004054	0.00055502	-0.0001496	0.96362211	0.99999994
Gm16853	0.00251926	0.00212755	0.00227723	-0.0001497	0.66913176	0.99999994
Krt27	0.00215545	0.00179903	0.00194885	-0.0001498	0.69557371	0.99999994
4933415A04	0.01232342	0.01091594	0.0110658	-0.0001499	0.53591444	0.99999994
Hsd3b2	0.00053446	0.0003339	0.00048377	-0.0001499	0.98040245	0.99999994
4933423P22l	0.00066894	0.00045551	0.00060544	-0.0001499	0.95036381	0.99999994
Ssh3	0.05339616	0.04650397	0.04665408	-0.0001501	0.50854332	0.99999994
Meikin	0.0013169	0.00104103	0.00119135	-0.0001503	0.79952084	0.99999994
Ccnd1	0.05214323	0.04544651	0.04559686	-0.0001504	0.50875569	0.99999994
Zfp97	0.00221908	0.00185572	0.0020063	-0.0001506	0.69131561	0.99999994
Dstyk	0.04868069	0.04251488	0.0426661	-0.0001512	0.50941085	0.99999994
Abhd17b	0.10789346	0.09074327	0.09089514	-0.0001519	0.50443693	0.99999994
Efhb	0.00113216	0.00087221	0.00102436	-0.0001521	0.83858721	0.99999994
Ldb3	0.00199971	0.00165581	0.00180824	-0.0001524	0.71264062	0.99999994
Gnat3	0.00063447	0.00042179	0.00057425	-0.0001525	0.96140574	0.99999994
Lrrc17	0.00183182	0.00150412	0.00165661	-0.0001525	0.72996756	0.99999994
Hoxb1	0.00110378	0.00084617	0.0009987	-0.0001525	0.84533232	0.99999994
Sult1a1	0.00183017	0.00150239	0.00165512	-0.0001527	0.73046638	0.99999994
Gm13003	0.00058043	0.00037254	0.00052536	-0.0001528	0.97357813	0.99999994
Pik3ap1	0.00066292	0.00044706	0.00059999	-0.0001529	0.95511711	0.99999994
Icam4	0.0006403	0.00042617	0.00057953	-0.0001534	0.96091346	0.99999994
Gm27169	0.00054282	0.0003379	0.00049133	-0.0001534	0.98117724	0.99999994
Pde6g	0.00050206	0.00030085	0.00045445	-0.0001536	0.98776966	0.99999994
Nexn	0.00137122	0.00108673	0.00124046	-0.0001537	0.79527975	0.99999994
Gm20605	0.00063186	0.0004179	0.00057189	-0.000154	0.96346221	0.99999994
Cep55	0.00161973	0.001311	0.00146502	-0.000154	0.75797584	0.99999994
Gm11175	0.00062795	0.00041417	0.00056836	-0.0001542	0.96452336	0.99999994
Vma21-ps	0.01220205	0.01080345	0.01095771	-0.0001543	0.53733002	0.99999994

Lca5l	0.00753761	0.00663603	0.00679032	-0.0001543	0.56010719	0.99999994
Lair1	0.00136276	0.00107823	0.0012328	-0.0001546	0.79803011	0.99999994
Rgs2	0.05467543	0.04757694	0.04773173	-0.0001548	0.50861073	0.99999994
Lix1	0.00826166	0.00728391	0.00743894	-0.000155	0.55516544	0.99999994
Colec11	0.00045772	0.00025881	0.00041433	-0.0001555	0.99376351	0.99999994
Chrdl1	0.00038798	0.00019557	0.00035122	-0.0001556	0.99841009	0.99999994
Arhgef28	0.06681302	0.05771142	0.05786712	-0.0001557	0.50714497	0.99999994
Tspan32	0.00089759	0.00065624	0.00081225	-0.000156	0.89945558	0.99999994
Il2rg	0.00082332	0.00058898	0.00074508	-0.0001561	0.918425	0.99999994
C030010L15F	0.00224944	0.0018773	0.00203371	-0.0001564	0.69564953	0.99999994
Gm28535	0.00252594	0.00212683	0.00228326	-0.0001564	0.67581563	0.99999994
Itgb3	0.00042894	0.00023175	0.00038828	-0.0001565	0.9963568	0.99999994
Gpr171	0.00097357	0.00072434	0.00088097	-0.0001566	0.88167639	0.99999994
Sell	0.00057261	0.00036162	0.00051829	-0.0001567	0.97789376	0.99999994
Tcfl5	0.00049186	0.00028844	0.00044522	-0.0001568	0.99045992	0.99999994
Gm12408	0.00051501	0.00030868	0.00046616	-0.0001575	0.98773259	0.99999994
Shisa7	0.00065162	0.00043201	0.00058976	-0.0001578	0.96250097	0.99999994
Lix1l	0.00223578	0.00186332	0.00202137	-0.000158	0.69862385	0.99999994
Cyp4f17	0.00055689	0.000346	0.00050406	-0.0001581	0.98157179	0.99999994
Myo7b	0.00770484	0.00678184	0.00694018	-0.0001583	0.56035277	0.99999994
Sspnos	0.00056328	0.00035141	0.00050984	-0.0001584	0.98070212	0.99999994
Syng4	0.00076479	0.0005336	0.00069214	-0.0001585	0.93634081	0.99999994
Sh3rf3	0.00122688	0.00095128	0.00110999	-0.0001587	0.82938516	0.99999994
Gm9949	0.00194971	0.00160421	0.00176308	-0.0001589	0.72568238	0.99999994
Matn4	0.01309044	0.01158956	0.01174847	-0.0001589	0.53586958	0.99999994
Gm14443	0.00212659	0.00176366	0.0019228	-0.0001591	0.709148	0.99999994
4930445N18	0.00025349	7.03E-05	0.00022949	-0.0001592	0.99999805	0.99999994
Ly6c2	0.00051025	0.0003025	0.00046186	-0.0001594	0.98918107	0.99999994
Pcdhb3	0.00291539	0.00247524	0.0026346	-0.0001594	0.65638618	0.99999994
Nek2	0.00123902	0.00096143	0.00112096	-0.0001595	0.82825383	0.99999994

Osbpl10	0.00235737	0.00197144	0.00213113	-0.0001597	0.69102903	0.99999994
Gm26787	0.00097311	0.00072084	0.00088055	-0.0001597	0.88634032	0.99999994
Gm9888	0.00056292	0.0003497	0.00050951	-0.0001598	0.98159452	0.99999994
Il1rl2	0.00108973	0.00082607	0.000986	-0.0001599	0.85984729	0.99999994
Lck	0.01116306	0.00987167	0.01003171	-0.00016	0.54228522	0.99999994
Hcls1	0.00128673	0.00100392	0.00116409	-0.0001602	0.82013341	0.99999994
Sbpl	0.00100666	0.00075063	0.00091088	-0.0001603	0.87921312	0.99999994
Hsd17b1	0.00097076	0.00071793	0.00087842	-0.0001605	0.88802709	0.99999994
Crebrf	0.08656986	0.0738663	0.07402679	-0.0001605	0.5057569	0.99999994
Zfp825	0.05886199	0.05108521	0.05124586	-0.0001607	0.50832426	0.99999994
Gm10451	0.00591659	0.0051749	0.00533586	-0.000161	0.57956711	0.99999994
Ly9	0.00047355	0.00026762	0.00042865	-0.000161	0.99379964	0.99999994
Amdhd1	0.00095536	0.00070329	0.0008645	-0.0001612	0.89274464	0.99999994
Calr4	0.00122404	0.00094605	0.00110742	-0.0001614	0.83395021	0.99999994
Myadml2	0.0002501	6.51E-05	0.00022642	-0.0001614	0.99999895	0.99999994
Brinp2	0.00134947	0.00105896	0.00122079	-0.0001618	0.81121795	0.99999994
Cd38	0.00092266	0.0006729	0.00083492	-0.000162	0.90176668	0.99999994
Col17a1	0.00095247	0.00069964	0.00086188	-0.0001622	0.89488949	0.99999994
A730098A19	0.00214124	0.00177362	0.00193602	-0.0001624	0.71169842	0.99999994
Sema6b	0.00762944	0.0067098	0.00687262	-0.0001628	0.56264893	0.99999994
Myzap	0.00112412	0.00085403	0.00101709	-0.0001631	0.85704383	0.99999994
Adap1	0.0005035	0.00029265	0.00045575	-0.0001631	0.99139206	0.99999994
Gm14154	0.00109617	0.00082818	0.00099181	-0.0001636	0.86394149	0.99999994
Lrrc15	0.00025526	6.73E-05	0.00023109	-0.0001637	0.9999988	0.99999994
Gm26760	0.003275	0.0027949	0.00295885	-0.000164	0.64387294	0.99999994
Shisa6	0.00226112	0.00187959	0.00204425	-0.0001647	0.70407302	0.99999994
AY358078	0.00055964	0.00034162	0.00050655	-0.0001649	0.98489267	0.99999994
Mn1	0.00111316	0.00084219	0.00100718	-0.000165	0.86223404	0.99999994
Zfp558	0.00348511	0.00298316	0.00314822	-0.0001651	0.63645179	0.99999994
O610039K10I	0.00187889	0.00153402	0.00169912	-0.0001651	0.74111116	0.99999994

Adam5	0.00170065	0.00137264	0.00153812	-0.0001655	0.76304633	0.99999994
Slco2b1	0.00094993	0.00069379	0.00085958	-0.0001658	0.90040691	0.99999994
Uchl4	0.00643924	0.00563935	0.00580515	-0.0001658	0.57538975	0.99999994
Mrps5	0.38199033	0.26096495	0.26113077	-0.0001658	0.50168622	0.99999994
Sstr1	0.00177965	0.00144342	0.00160948	-0.0001661	0.75389713	0.99999994
Lonrf3	0.00026127	7.04E-05	0.00023654	-0.0001661	0.99999852	0.99999994
Gal3st3	0.00043881	0.00023112	0.00039721	-0.0001661	0.99730962	0.99999994
A230107N01	0.00223192	0.00185178	0.00201789	-0.0001661	0.70813558	0.99999994
Bnpl	0.00104219	0.00077669	0.00094301	-0.0001663	0.87980718	0.99999994
Ntn5	0.0003068	0.00011115	0.00027774	-0.0001666	0.99996731	0.99999994
Sgcz	0.00031871	0.00012186	0.00028853	-0.0001667	0.99993972	0.99999994
Mkrn3	0.02368573	0.02093961	0.02110675	-0.0001671	0.52101893	0.99999994
Bpifb3	0.00061626	0.00039035	0.00055778	-0.0001674	0.97714299	0.99999994
Exoc3	0.27574925	0.20378153	0.20394901	-0.0001675	0.50218064	0.99999994
Fbn1	0.00140883	0.00110686	0.00127444	-0.0001676	0.8092782	0.99999994
Hapl4	0.00045107	0.00024062	0.00040831	-0.0001677	0.99686877	0.99999994
lqgap3	0.00137781	0.00107854	0.00124641	-0.0001679	0.81499811	0.99999994
Fetub	0.00026439	7.14E-05	0.00023936	-0.0001679	0.99999849	0.99999994
Dhx58	0.00526288	0.00458048	0.00474842	-0.0001679	0.59305989	0.99999994
Plag1	0.05368839	0.04673229	0.04690041	-0.0001681	0.509518	0.99999994
Rad54b	0.00026861	7.50E-05	0.00024318	-0.0001681	0.99999791	0.99999994
Banf2	0.0005148	0.00029772	0.00046598	-0.0001683	0.99188055	0.99999994
Prodh	0.01382822	0.01223613	0.01240444	-0.0001683	0.53598246	0.99999994
Bcl6	0.00061307	0.00038648	0.00055489	-0.0001684	0.97831987	0.99999994
Gm26614	0.00046523	0.00025264	0.00042112	-0.0001685	0.99612886	0.99999994
a	0.00049233	0.00027692	0.00044565	-0.0001687	0.99413477	0.99999994
Gm15406	0.00084158	0.0005927	0.0007616	-0.0001689	0.93004201	0.99999994
Acss3	0.00711493	0.00624248	0.00641138	-0.0001689	0.56959947	0.99999994
Smlr1	0.00026936	7.48E-05	0.00024386	-0.000169	0.99999802	0.99999994
Efcab9	0.00044525	0.00023375	0.00040304	-0.0001693	0.99741193	0.99999994

Lbx2	0.00036663	0.00016171	0.0003319	-0.0001702	0.99967885	0.99999994
Pstpip2	0.00051299	0.00029405	0.00046434	-0.0001703	0.99267901	0.99999994
Pla2g5	0.00180942	0.00146605	0.00163638	-0.0001703	0.75579226	0.99999994
Anxa10	0.00028914	9.14E-05	0.00026175	-0.0001703	0.9999926	0.99999994
Tnni2	0.00027107	7.50E-05	0.0002454	-0.0001704	0.99999809	0.99999994
Oip5	0.00212794	0.00175357	0.00192402	-0.0001704	0.72229964	0.99999994
Cldn1	0.00049781	0.00027994	0.00045061	-0.0001707	0.99414989	0.99999994
Edn1	0.00042496	0.0002139	0.00038468	-0.0001708	0.99843705	0.99999994
Trim6	0.00147758	0.00116569	0.00133657	-0.0001709	0.8026175	0.99999994
Catsperg1	0.00027332	7.62E-05	0.00024744	-0.0001713	0.99999796	0.99999994
Fam107a	0.00574714	0.0050123	0.00518364	-0.0001713	0.58707343	0.99999994
Ifnlr1	0.0009599	0.00069711	0.0008686	-0.0001715	0.90561289	0.99999994
Gm26717	0.0005511	0.00032721	0.00049882	-0.0001716	0.98899234	0.99999994
Gng10	0.00564751	0.00492249	0.00509412	-0.0001716	0.58872297	0.99999994
Itga2	0.00130626	0.00100982	0.00118174	-0.0001719	0.83356767	0.99999994
Ppara	0.00136459	0.00106253	0.00123446	-0.0001719	0.8230468	0.99999994
Prok1	0.00027735	7.87E-05	0.00025109	-0.0001724	0.99999756	0.99999994
Folr2	0.0018118	0.00146601	0.00163852	-0.0001725	0.75828797	0.99999994
Gm26684	0.00045563	0.00023962	0.00041244	-0.0001728	0.99735748	0.99999994
Nae1	0.36018465	0.25001143	0.25018443	-0.000173	0.5018362	0.99999994
Cby3	0.0002809	8.12E-05	0.0002543	-0.0001731	0.99999707	0.99999994
Chad	0.00198707	0.0016236	0.00179682	-0.0001732	0.73946233	0.99999994
Zfp597	0.07180562	0.06181651	0.06198982	-0.0001733	0.50742377	0.99999994
Gcnt1	0.01876011	0.01659937	0.01677278	-0.0001734	0.52743271	0.99999994
Nckap1l	0.0002861	8.51E-05	0.000259	-0.0001739	0.99999605	0.99999994
Rassf1	0.17081035	0.13674864	0.13692253	-0.0001739	0.50337232	0.99999994
Plekhg5	0.02349121	0.02076207	0.02093614	-0.0001741	0.52206785	0.99999994
Pcdhb13	0.00389538	0.00334376	0.00351786	-0.0001741	0.62908277	0.99999994
Nacad	0.00035913	0.000151	0.00032511	-0.0001741	0.99981787	0.99999994
Hoxb5	0.00101301	0.0007425	0.00091663	-0.0001741	0.89696754	0.99999994

Gtpbp2	0.1998328	0.15644168	0.15661581	-0.0001741	0.50295237	0.99999994
Adprhl1	0.00051915	0.00029565	0.00046991	-0.0001743	0.99321484	0.99999994
Pld6	0.00595973	0.00520034	0.00537461	-0.0001743	0.58544	0.99999994
4930555F03I	0.00028959	8.78E-05	0.00026216	-0.0001743	0.9999952	0.99999994
Kirrel	0.00109722	0.0008184	0.00099277	-0.0001744	0.87881892	0.99999994
Gm15912	0.00245002	0.00204026	0.00221474	-0.0001745	0.70000271	0.99999994
Dhrs13os	0.00052957	0.00030481	0.00047934	-0.0001745	0.99231691	0.99999994
Aldh1l1	0.00472745	0.00409232	0.00426688	-0.0001746	0.6073112	0.99999994
Lamp3	0.00028247	8.11E-05	0.00025572	-0.0001746	0.99999724	0.99999994
Mrpl19	0.23298894	0.17783235	0.17800694	-0.0001746	0.50260451	0.99999994
Alox12	0.00087745	0.00061907	0.00079404	-0.000175	0.92877751	0.99999994
Noxo1	0.01910819	0.01690455	0.01707998	-0.0001754	0.52725387	0.99999994
Tnnc2	0.00042014	0.00020466	0.00038032	-0.0001757	0.99894533	0.99999994
Srpx	0.00098101	0.00071181	0.00088769	-0.0001759	0.90638033	0.99999994
BC035044	0.0006023	0.00036902	0.00054514	-0.0001761	0.98424432	0.99999994
Gm9847	0.00081943	0.00056513	0.00074157	-0.0001764	0.94337082	0.99999994
Mbd4	0.04221419	0.03698016	0.03715679	-0.0001766	0.51262105	0.99999994
Add2	0.00143784	0.00112379	0.00130066	-0.0001769	0.81730844	0.99999994
Gm12580	0.000907	0.00064367	0.00082076	-0.0001771	0.92452519	0.99999994
Pram1	0.00040463	0.00018908	0.00036628	-0.0001772	0.99935965	0.99999994
Kcnq3	0.00146948	0.00115202	0.00132925	-0.0001772	0.8125997	0.99999994
Gbp8	0.00165858	0.00132275	0.00150011	-0.0001774	0.78436283	0.99999994
Mrgprf	0.00075549	0.00050636	0.00068373	-0.0001774	0.95789323	0.99999994
Ccdc24	0.00307365	0.00259988	0.00277731	-0.0001774	0.66467019	0.99999994
Rtnn	0.00694457	0.00608105	0.00625858	-0.0001775	0.57488253	0.99999994
Krt6a	0.000296	9.03E-05	0.00026797	-0.0001777	0.99999491	0.99999994
4930590J08F	0.00130327	0.00100136	0.00117903	-0.0001777	0.84209258	0.99999994
Cdh26	0.00029938	9.33E-05	0.00027103	-0.0001777	0.99999365	0.99999994
Clec2d	0.00896582	0.00789123	0.00806913	-0.0001779	0.55833745	0.99999994
Gm16279	0.00276622	0.00232208	0.00250005	-0.000178	0.68219062	0.99999994

Fcgr2b	0.0013018	0.00099967	0.00117771	-0.000178	0.84286197	0.99999994
Sspo	0.00107244	0.00079232	0.00097036	-0.000178	0.88902399	0.99999994
4930589L23F	0.0002939	8.79E-05	0.00026607	-0.0001782	0.99999586	0.99999994
Grem1	0.00029431	8.81E-05	0.00026644	-0.0001783	0.99999581	0.99999994
Gata3	0.00075687	0.0005066	0.00068498	-0.0001784	0.95848492	0.99999994
Swap70	0.00950822	0.00837559	0.00855415	-0.0001786	0.55525312	0.99999994
Retn	0.00053135	0.00030237	0.00048095	-0.0001786	0.99327459	0.99999994
1700104B16	0.00029741	9.06E-05	0.00026924	-0.0001786	0.99999497	0.99999994
Mpeg1	0.00081427	0.00055803	0.0007369	-0.0001789	0.94692037	0.99999994
Tbkbp1	0.00047116	0.00024755	0.00042649	-0.0001789	0.9973864	0.99999994
Gm9945	0.0018643	0.00150694	0.00168594	-0.000179	0.76013903	0.99999994
Ces2g	0.00055158	0.00032007	0.00049926	-0.0001792	0.99155211	0.99999994
Lgi4	0.00346663	0.00295207	0.00313157	-0.0001795	0.64859743	0.99999994
Trank1	0.00053822	0.00030753	0.00048717	-0.0001796	0.99294486	0.99999994
D330050G23	0.00187973	0.00151998	0.00169988	-0.0001799	0.75942556	0.99999994
Arhgap31	0.001035	0.00075654	0.00093651	-0.00018	0.89957871	0.99999994
Tnfrsf13b	0.00030234	9.36E-05	0.00027371	-0.0001801	0.99999406	0.99999994
Krt1	0.03555211	0.03125123	0.03143134	-0.0001801	0.51521301	0.99999994
Ceacam10	0.00414365	0.00356119	0.00374144	-0.0001802	0.62576834	0.99999994
Gm6871	0.00048628	0.00025985	0.00044017	-0.0001803	0.99680296	0.99999994
Abcc2	0.00033239	0.00012056	0.0003009	-0.0001803	0.99996688	0.99999994
Pzca	0.00131367	0.00100809	0.00118843	-0.0001803	0.84377521	0.99999994
Ttc9b	0.00058203	0.00034632	0.0005268	-0.0001805	0.98870892	0.99999994
Gm16006	0.00327896	0.00278188	0.00296242	-0.0001805	0.65750195	0.99999994
Rgs7bp	0.00122599	0.00092857	0.00110918	-0.0001806	0.86079038	0.99999994
1110028F18	0.00128215	0.00097925	0.00115994	-0.0001807	0.85011146	0.99999994
Sbno2	0.00243761	0.00202278	0.00220355	-0.0001808	0.70748425	0.99999994
Icos	0.00030388	9.42E-05	0.0002751	-0.0001809	0.99999401	0.99999994
Gm42902	0.00052771	0.00029657	0.00047766	-0.0001811	0.99419126	0.99999994
Dock3	0.00031052	9.98E-05	0.00028111	-0.0001813	0.99999119	0.99999994

Id4	0.02581235	0.02278773	0.02296912	-0.0001814	0.52096073	0.99999994
Gpbar1	0.00152633	0.00119899	0.00138062	-0.0001816	0.80939502	0.99999994
Lamc2	0.01202359	0.01061697	0.01079876	-0.0001818	0.54460954	0.99999994
F730016J06F	0.00048123	0.00025376	0.0004356	-0.0001818	0.99727057	0.99999994
Cxcl16	0.00199976	0.00162642	0.00180828	-0.0001819	0.74839069	0.99999994
Slc2a4	0.00055715	0.00032236	0.0005043	-0.0001819	0.9918343	0.99999994
Il17b	0.00058274	0.0003454	0.00052745	-0.0001821	0.98920392	0.99999994
Prdm14	0.00030858	9.72E-05	0.00027935	-0.0001821	0.99999286	0.99999994
Arhgef26	0.00304812	0.00257203	0.00275429	-0.0001823	0.67020341	0.99999994
Stat3	0.42498538	0.28142937	0.281612	-0.0001826	0.50172215	0.99999994
Clec5a	0.00051627	0.00028461	0.00046731	-0.0001827	0.99537045	0.99999994
Casp12	0.00055838	0.0003227	0.00050541	-0.0001827	0.99194422	0.99999994
Prrg1	0.00313689	0.00265162	0.00283434	-0.0001827	0.66608025	0.99999994
Gm17660	0.00054824	0.00031308	0.00049624	-0.0001832	0.99299045	0.99999994
Crnde	0.00031986	0.00010639	0.00028957	-0.0001832	0.99998728	0.99999994
Slc8b1	0.01581187	0.01398169	0.01416491	-0.0001832	0.53430593	0.99999994
Gm5091	0.00152323	0.00119453	0.00137783	-0.0001833	0.81206366	0.99999994
Mogat1	0.00033132	0.00011657	0.00029993	-0.0001834	0.99997643	0.99999994
Tex38	0.00031233	9.93E-05	0.00028275	-0.0001834	0.99999213	0.99999994
Tlr6	0.00031205	9.91E-05	0.0002825	-0.0001834	0.99999227	0.99999994
Sgcd	0.00045539	0.0002286	0.00041222	-0.0001836	0.99848642	0.99999994
Gnal	0.00031634	0.0001027	0.00028637	-0.0001837	0.99999019	0.99999994
Myh1	0.0005199	0.00028678	0.00047059	-0.0001838	0.99533744	0.99999994
A530032D15	0.00031682	0.00010296	0.00028681	-0.0001839	0.99999008	0.99999994
Hey2	0.00031397	0.00010034	0.00028423	-0.0001839	0.99999171	0.99999994
Hhipl2	0.00040062	0.00017876	0.00036265	-0.0001839	0.99963138	0.99999994
Ano8	0.01301182	0.01149462	0.01167853	-0.0001839	0.5417414	0.99999994
Rinl	0.00408614	0.00350562	0.00368965	-0.000184	0.63005605	0.99999994
Abcc9	0.0003427	0.00012617	0.00031024	-0.0001841	0.99996079	0.99999994
Adam4	0.00330945	0.00280571	0.00298991	-0.0001842	0.65912407	0.99999994

Pcdhgb6	0.00323458	0.00273774	0.00292241	-0.0001847	0.66298631	0.99999994
Afap1l1	0.00037806	0.00015743	0.00034224	-0.0001848	0.99983738	0.99999994
Lmntd1	0.00032124	0.00010596	0.00029081	-0.0001848	0.99998837	0.99999994
Srsf12	0.00970076	0.00854114	0.00872623	-0.0001851	0.55613929	0.99999994
Syt12	0.00031915	0.00010369	0.00028892	-0.0001852	0.99999011	0.99999994
Gjb5	0.0003228	0.00010698	0.00029222	-0.0001852	0.99998776	0.99999994
Smad9	0.0003419	0.00012421	0.00030951	-0.0001853	0.99996628	0.99999994
Gm15734	0.00033477	0.00011772	0.00030305	-0.0001853	0.99997657	0.99999994
Eppin	0.00086733	0.00059947	0.00078488	-0.0001854	0.94207315	0.99999994
Gm17552	0.00144971	0.00112596	0.00131139	-0.0001854	0.82669573	0.99999994
Ache	0.00034951	0.00013088	0.0003164	-0.0001855	0.99995248	0.99999994
Tiam2	0.000326	0.00010941	0.00029512	-0.0001857	0.99998597	0.99999994
Gm26559	0.01033046	0.00910277	0.00928871	-0.0001859	0.55300155	0.99999994
1700012C14I	0.00457895	0.00394723	0.00413326	-0.000186	0.6177536	0.99999994
Ros1	0.00160973	0.00126995	0.00145598	-0.000186	0.80247264	0.99999994
C1rl	0.00818962	0.00718835	0.00737443	-0.0001861	0.56669125	0.99999994
Upk1a	0.00033336	0.00011569	0.00030178	-0.0001861	0.99997976	0.99999994
Slc39a8	0.01025099	0.00903156	0.00921776	-0.0001862	0.55347971	0.99999994
Pira2	0.00033424	0.00011632	0.00030258	-0.0001863	0.99997911	0.99999994
R3hdml	0.00082335	0.00055845	0.00074511	-0.0001867	0.95229294	0.99999994
Lamb3	0.00043167	0.000204	0.00039075	-0.0001867	0.99926662	0.99999994
Mefv	0.00035951	0.00013855	0.00032545	-0.0001869	0.99993396	0.99999994
Wfdc21	0.00113591	0.0008408	0.00102775	-0.0001869	0.88701439	0.99999994
Nadsyn1	0.00813045	0.00713447	0.00732144	-0.000187	0.56749047	0.99999994
Syt6	0.00090654	0.00063332	0.00082034	-0.000187	0.93543873	0.99999994
Gm572	0.01118096	0.00986058	0.01004768	-0.0001871	0.54932153	0.99999994
Zc3h12a	0.00311821	0.00263035	0.00281749	-0.0001871	0.67079933	0.99999994
Trim30a	0.00048004	0.00024734	0.00043452	-0.0001872	0.99793103	0.99999994
Cd86	0.00046336	0.0002321	0.00041943	-0.0001873	0.99852507	0.99999994
Gm9830	0.00146805	0.00114063	0.00132796	-0.0001873	0.82613976	0.99999994

Tslp	0.00032778	0.00010934	0.00029673	-0.0001874	0.99998686	0.99999994
Gm4791	0.0004351	0.00020627	0.00039386	-0.0001876	0.99923866	0.99999994
Gm14168	0.0013051	0.00099295	0.00118069	-0.0001877	0.85507136	0.99999994
Pmaip1	0.00034484	0.00012442	0.00031217	-0.0001878	0.99996878	0.99999994
Gm9923	0.00040797	0.00018151	0.00036931	-0.0001878	0.99964393	0.99999994
Mogat2	0.0030875	0.00260196	0.00278981	-0.0001878	0.6729907	0.99999994
Fam166b	0.00408908	0.00350441	0.0036923	-0.0001879	0.63258843	0.99999994
MIph	0.00034101	0.00012061	0.0003087	-0.0001881	0.99997501	0.99999994
Ddr2	0.00033255	0.00011289	0.00030105	-0.0001882	0.99998411	0.99999994
Filip1l	0.00435892	0.0037469	0.00393524	-0.0001883	0.62497291	0.99999994
Amy2a3	0.00087622	0.00060453	0.00079292	-0.0001884	0.94312175	0.99999994
Lat2	0.00312096	0.00263152	0.00281997	-0.0001885	0.67177827	0.99999994
Icam2	0.00102295	0.00073715	0.00092562	-0.0001885	0.91234493	0.99999994
Myl10	0.00037417	0.00015024	0.00033872	-0.0001885	0.99989387	0.99999994
Gm13398	0.00086352	0.00059282	0.00078144	-0.0001886	0.94593644	0.99999994
Cyp27b1	0.00039177	0.00016602	0.00035464	-0.0001886	0.9998001	0.99999994
Gm26558	0.00241775	0.00199697	0.00218562	-0.0001887	0.71720352	0.99999994
1700120G07	0.0004553	0.00022339	0.00041213	-0.0001887	0.9988498	0.99999994
Morc1	0.00036765	0.00014396	0.00033281	-0.0001889	0.99992069	0.99999994
4933427E11I	0.00297846	0.0025024	0.00269148	-0.0001891	0.67996466	0.99999994
Gm37584	0.00068105	0.00042726	0.00061639	-0.0001891	0.97944595	0.99999994
Ttf2	0.01367484	0.01207887	0.01226812	-0.0001892	0.54089195	0.99999994
Klhl40	0.00037107	0.00014624	0.00033591	-0.0001897	0.99991453	0.99999994
I830134H01F	0.00035157	0.00012859	0.00031827	-0.0001897	0.9999636	0.99999994
Ankrd9	0.01915916	0.01693526	0.01712496	-0.0001897	0.52938977	0.99999994
Prrx2	0.00143851	0.00111132	0.00130126	-0.0001899	0.83438318	0.99999994
Csn3	0.00037263	0.00014729	0.00033732	-0.00019	0.99991158	0.99999994
Scel	0.00034181	0.00011937	0.00030943	-0.0001901	0.99997829	0.99999994
Diras2	0.0019958	0.00161462	0.0018047	-0.0001901	0.75838063	0.99999994
1700003M07	0.00159185	0.0012496	0.00143983	-0.0001902	0.81041723	0.99999994

Gm4961	0.00104902	0.00075887	0.00094918	-0.0001903	0.9090044	0.99999994
Gpatch3	0.02845976	0.02508952	0.02528016	-0.0001906	0.52001733	0.99999994
Slc25a18	0.00036278	0.00013773	0.0003284	-0.0001907	0.9999444	0.99999994
Gas7	0.00276841	0.00231126	0.00250202	-0.0001908	0.69409604	0.99999994
Zfp874a	0.04010605	0.03515974	0.0353505	-0.0001908	0.51432673	0.99999994
A430073D23	0.00263728	0.00219296	0.00238372	-0.0001908	0.70287584	0.99999994
Shc3	0.00034686	0.00012319	0.000314	-0.0001908	0.99997383	0.99999994
Gjb4	0.00051672	0.00027683	0.00046771	-0.0001909	0.99670273	0.99999994
Bves	0.00110776	0.00081137	0.0010023	-0.0001909	0.89760143	0.99999994
Abca9	0.0004252	0.00019384	0.0003849	-0.0001911	0.99952378	0.99999994
Gm10644	0.00263766	0.00219288	0.00238406	-0.0001912	0.70325227	0.99999994
Tcap	0.0009243	0.0006451	0.00083641	-0.0001913	0.93605275	0.99999994
Gcm1	0.00043105	0.00019869	0.00039019	-0.0001915	0.99945615	0.99999994
Fbxw18	0.00046102	0.00022552	0.00041731	-0.0001918	0.99889034	0.99999994
Gm26771	0.00254692	0.00211038	0.00230219	-0.0001918	0.71040809	0.99999994
A930003A15	0.00034785	0.00012306	0.0003149	-0.0001918	0.99997494	0.99999994
Pap0lb	0.00045879	0.00022335	0.00041529	-0.0001919	0.99895259	0.99999994
Prrx1	0.00191785	0.00154228	0.00173431	-0.000192	0.76944045	0.99999994
Gm16105	0.00053848	0.00029534	0.00048741	-0.0001921	0.99564229	0.99999994
Zfp934	0.00075222	0.00048848	0.00068077	-0.0001923	0.96995885	0.99999994
Bcat1	0.00035186	0.00012615	0.00031853	-0.0001924	0.99997092	0.99999994
Kcnmb4os2	0.00689155	0.00601857	0.00621102	-0.0001924	0.58170133	0.99999994
Igsf9b	0.00155071	0.00121017	0.00140265	-0.0001925	0.81949772	0.99999994
4930426L09F	0.00036947	0.00014192	0.00033447	-0.0001925	0.99993643	0.99999994
Cers1	0.00035438	0.00012804	0.00032081	-0.0001928	0.99996828	0.99999994
Gm4707	0.02756783	0.02430957	0.02450247	-0.0001929	0.52089686	0.99999994
Klf12	0.00041611	0.00018376	0.00037667	-0.0001929	0.99967402	0.99999994
Lrrc25	0.00035534	0.00012874	0.00032168	-0.0001929	0.99996731	0.99999994
Gm15445	0.00071822	0.00045691	0.00065002	-0.0001931	0.97600792	0.99999994
Brinp1	0.0004473	0.0002116	0.0004049	-0.0001933	0.99925774	0.99999994

Ifnk	0.00053212	0.00028832	0.00048164	-0.0001933	0.9962266	0.99999994
Fsip1	0.00304743	0.00256011	0.00275367	-0.0001936	0.68006628	0.99999994
Gm16251	0.00040778	0.0001755	0.00036913	-0.0001936	0.99976006	0.99999994
Ncapg2	0.00511288	0.00441978	0.00461355	-0.0001938	0.61009589	0.99999994
Nrgn	0.00428624	0.00367575	0.00386981	-0.0001941	0.63073075	0.99999994
Zfp109	0.00284486	0.00237662	0.00257098	-0.0001944	0.69259233	0.99999994
Etnppl	0.00036224	0.00013349	0.00032792	-0.0001944	0.99996038	0.99999994
Plet1os	0.00136983	0.00104465	0.0012392	-0.0001945	0.85199435	0.99999994
Nkx6-3	0.00263571	0.00218772	0.00238231	-0.0001946	0.70667313	0.99999994
4833412C05I	0.00062161	0.0003677	0.00056262	-0.0001949	0.98944649	0.99999994
Tmem151b	0.01884813	0.01665549	0.01685048	-0.000195	0.53069759	0.99999994
Bcl2a1b	0.00036951	0.00013925	0.0003345	-0.0001952	0.99994892	0.99999994
Egr3	0.00039659	0.00016351	0.00035901	-0.0001955	0.99985541	0.99999994
Fli1	0.00138557	0.00105786	0.00125342	-0.0001956	0.85048331	0.99999994
Kcnab2	0.00117637	0.00086865	0.00106433	-0.0001957	0.88948156	0.99999994
Gm12728	0.0021614	0.00175854	0.00195423	-0.0001957	0.7474704	0.99999994
Nr1i3	0.000372	0.00014083	0.00033675	-0.0001959	0.99994618	0.99999994
Gm20463	0.0004725	0.00023167	0.0004277	-0.000196	0.9988589	0.99999994
9130204K15I	0.00042139	0.00018535	0.00038145	-0.0001961	0.9996891	0.99999994
Gm38134	0.00072489	0.00045992	0.00065605	-0.0001961	0.97669871	0.99999994
Cxcl1	0.00070456	0.0004413	0.00063766	-0.0001964	0.97980611	0.99999994
Gm17196	0.0004022	0.00016769	0.00036409	-0.0001964	0.99983503	0.99999994
Al838599	0.00184964	0.00147629	0.0016727	-0.0001964	0.78277734	0.99999994
Vstm4	0.00037718	0.00014473	0.00034144	-0.0001967	0.9999372	0.99999994
Gm17096	0.00040551	0.00017004	0.00036708	-0.000197	0.9998235	0.99999994
3830408C21I	0.00102679	0.00073198	0.00092908	-0.0001971	0.92104778	0.99999994
Parvaos	0.00042603	0.00018837	0.00038565	-0.0001973	0.99966927	0.99999994
Amy2a2	0.00038203	0.00014843	0.00034583	-0.0001974	0.99992749	0.99999994
Zfp385a	0.03151661	0.02774107	0.02793849	-0.0001974	0.51875754	0.99999994
Snx33	0.00639891	0.00557152	0.00576896	-0.0001974	0.59010244	0.99999994

Pld2	0.00093806	0.00065129	0.00084885	-0.0001976	0.93933355	0.99999994
Ppm1j	0.00149304	0.00115265	0.00135054	-0.0001979	0.83530096	0.99999994
Nrn1l	0.00050289	0.0002572	0.0004552	-0.000198	0.99810634	0.99999994
Slc6a2	0.00041369	0.00017643	0.00037448	-0.0001981	0.9997845	0.99999994
Pp2d1	0.00042187	0.00018371	0.00038189	-0.0001982	0.999724	0.99999994
Fgf1	0.00039132	0.00015606	0.00035424	-0.0001982	0.99990195	0.99999994
Myo3a	0.00048572	0.00024142	0.00043966	-0.0001982	0.99865609	0.99999994
1700001L05F	0.00351027	0.00297257	0.0031709	-0.0001983	0.661416	0.99999994
1500035N22	0.00049761	0.0002519	0.00045042	-0.0001985	0.99832586	0.99999994
1700093K21I	0.00045781	0.00021585	0.00041441	-0.0001986	0.99928672	0.99999994
Gm26660	0.00224807	0.00183358	0.00203247	-0.0001989	0.74259057	0.99999994
Kif14	0.00039785	0.00016125	0.00036015	-0.0001989	0.99988154	0.99999994
Dnah14	0.0010146	0.00071905	0.00091806	-0.000199	0.92547652	0.99999994
Nfe2	0.0004651	0.00022187	0.00042101	-0.0001991	0.99917925	0.99999994
Gm7854	0.00044567	0.00020398	0.00040342	-0.0001994	0.99950034	0.99999994
Ltbp2	0.00040962	0.00017133	0.0003708	-0.0001995	0.99982865	0.99999994
Fcgbp	0.00188083	0.00150134	0.00170087	-0.0001995	0.78256043	0.99999994
Btbd16	0.00048683	0.00024104	0.00044067	-0.0001996	0.99871702	0.99999994
Uchl1os	0.00047627	0.0002309	0.00043112	-0.0002002	0.99900356	0.99999994
Zfp626	0.02112404	0.01865608	0.01885634	-0.0002003	0.52817883	0.99999994
Bean1	0.00043968	0.00019774	0.000398	-0.0002003	0.99959493	0.99999994
Plek2	0.01733886	0.01531647	0.0155169	-0.0002004	0.53425882	0.99999994
Amn	0.00041534	0.00017545	0.00037598	-0.0002005	0.99980746	0.99999994
Vwa3a	0.0010186	0.00072108	0.00092168	-0.0002006	0.92629025	0.99999994
Rerg	0.0007404	0.00046947	0.00067007	-0.0002006	0.97685473	0.99999994
Leap2	0.00044766	0.00020419	0.00040522	-0.000201	0.9995205	0.99999994
Cyp17a1	0.00046304	0.00021805	0.00041914	-0.0002011	0.99929723	0.99999994
Sctr	0.00046021	0.00021544	0.00041658	-0.0002011	0.99934546	0.99999994
Gm17249	0.00693074	0.0060449	0.00624618	-0.0002013	0.58492034	0.99999994
Snx16	0.14570311	0.11891827	0.1191197	-0.0002014	0.50449031	0.99999994

Pnpla3	0.00211508	0.00171098	0.00191241	-0.0002014	0.75838405	0.99999994
Gimap4	0.00202675	0.00163103	0.00183265	-0.0002016	0.76801303	0.99999994
Zfp473	0.00243081	0.00199562	0.00219741	-0.0002018	0.72948031	0.99999994
Rab8b	0.01829079	0.01615642	0.01635833	-0.0002019	0.53273962	0.99999994
Liph	0.00129652	0.00097099	0.00117293	-0.0002019	0.8741033	0.99999994
Gm20878	0.00233592	0.00190972	0.00211177	-0.0002021	0.73789638	0.99999994
Rspry1	0.15538356	0.12586764	0.12607002	-0.0002024	0.50426269	0.99999994
Gm16596	0.00119216	0.00087598	0.0010786	-0.0002026	0.89443092	0.99999994
Gm27010	0.00372422	0.00316098	0.00336368	-0.0002027	0.65582913	0.99999994
Dmbt1	0.00074016	0.00046699	0.00066986	-0.0002029	0.97809519	0.99999994
Scx	0.00533616	0.00461124	0.00481429	-0.0002031	0.61054611	0.99999994
Gm26935	0.00502117	0.00432769	0.00453108	-0.0002034	0.61745132	0.99999994
Nkg7	0.0012353	0.00091395	0.0011176	-0.0002036	0.88741552	0.99999994
4930540M05	0.0013318	0.00100109	0.00120483	-0.0002037	0.86983555	0.99999994
Ptprc	0.0009724	0.00067594	0.0008799	-0.000204	0.93857837	0.99999994
Spag9	0.18372956	0.14559935	0.14580371	-0.0002044	0.50372198	0.99999994
P2ry6	0.00300153	0.00250756	0.00271228	-0.0002047	0.69230956	0.99999994
Gm14322	0.00456984	0.00391986	0.00412506	-0.0002052	0.62972294	0.99999994
Gm5117	0.0018967	0.00150961	0.0017152	-0.0002056	0.78752179	0.99999994
Gm29340	0.00131256	0.00098166	0.00118744	-0.0002058	0.87565213	0.99999994
Tube1	0.00641656	0.00557895	0.0057848	-0.0002059	0.59361891	0.99999994
Tdrp	0.02193276	0.01936163	0.01956762	-0.000206	0.52793173	0.99999994
Il22	0.00070552	0.0004322	0.00063853	-0.0002063	0.98425686	0.99999994
Astn1	0.00136134	0.00102504	0.00123153	-0.0002065	0.86779999	0.99999994
Abcc3	0.02392668	0.02111134	0.02131803	-0.0002067	0.52572844	0.99999994
A930004D18	0.00441269	0.00377694	0.00398364	-0.0002067	0.63509548	0.99999994
Tnxb	0.0009246	0.00062968	0.00083668	-0.000207	0.95020086	0.99999994
Pggt1b	0.10894174	0.09149432	0.09170141	-0.0002071	0.5059968	0.99999994
Rpl21-ps4	0.0020595	0.00165474	0.00186222	-0.0002075	0.77084214	0.99999994
Gtpbp10	0.05384924	0.04682826	0.04703596	-0.0002077	0.51172402	0.99999994

Foxs1	0.00110802	0.00079397	0.00100253	-0.0002086	0.91693677	0.99999994
Ms4a6b	0.00220132	0.00178145	0.00199027	-0.0002088	0.75753221	0.99999994
Gm13031	0.00087892	0.00058637	0.00079537	-0.000209	0.95986444	0.99999994
Igsf10	0.00170484	0.00133269	0.00154191	-0.0002092	0.81678182	0.99999994
Cd1d2	0.00146212	0.00111321	0.0013226	-0.0002094	0.85401827	0.99999994
Mmp7	0.00193567	0.00154088	0.00175041	-0.0002095	0.78720564	0.99999994
Maml2	0.00513859	0.0044268	0.00463667	-0.0002099	0.61840222	0.99999994
Gm29455	0.00364674	0.0030838	0.00329387	-0.0002101	0.66439989	0.99999994
Gm28151	0.00146421	0.00111439	0.00132449	-0.0002101	0.85448157	0.99999994
Wdr72	0.00137592	0.00103445	0.0012447	-0.0002103	0.86957425	0.99999994
Pcsk7	0.03348537	0.02943458	0.02964486	-0.0002103	0.51882866	0.99999994
H2-DMb2	0.00146045	0.00111053	0.00132109	-0.0002106	0.85564116	0.99999994
Alpk2	0.00164532	0.00127735	0.00148813	-0.0002108	0.82711936	0.99999994
4833422M21	0.00100439	0.00069781	0.00090883	-0.000211	0.93888934	0.99999994
Zfp541	0.00060434	0.00033589	0.00054699	-0.0002111	0.99489969	0.99999994
Mctp1	0.00478186	0.00410447	0.00431583	-0.0002114	0.62777957	0.99999994
Ccl5	0.00139115	0.00104706	0.00125847	-0.0002114	0.86826023	0.99999994
Cysltr1	0.00099648	0.00068997	0.00090167	-0.0002117	0.94095421	0.99999994
Kif26b	0.00212958	0.00171352	0.0019255	-0.000212	0.76816194	0.99999994
Dscc1	0.01017393	0.00893684	0.00914894	-0.0002121	0.56131748	0.99999994
Tas1r3	0.0018345	0.00144692	0.00165903	-0.0002121	0.80261897	0.99999994
Pars2	0.01660807	0.01465776	0.0148702	-0.0002124	0.53788148	0.99999994
Rassf4	0.05385135	0.04682496	0.04703774	-0.0002128	0.51201064	0.99999994
Pip5kl1	0.00171302	0.00133642	0.0015493	-0.0002129	0.81979557	0.99999994
Vegfc	0.00155889	0.00119711	0.00141004	-0.0002129	0.84259543	0.99999994
Traf3ip3	0.00085156	0.00055738	0.00077062	-0.0002132	0.96725506	0.99999994
Rapgef3os2	0.0014026	0.00105549	0.00126882	-0.0002133	0.86846219	0.99999994
Ybey	0.03691958	0.03239721	0.03261068	-0.0002135	0.51737775	0.99999994
Slc6a9	0.00474984	0.00407353	0.00428702	-0.0002135	0.62985892	0.99999994
Milr1	0.00843075	0.0073768	0.00759032	-0.0002135	0.57426685	0.99999994

Cdhr2	0.01937361	0.01710055	0.01731415	-0.0002136	0.53272297	0.99999994
Ubtf	0.32610572	0.23206721	0.2322812	-0.000214	0.50244638	0.99999994
Slc25a47	0.0018943	0.00149893	0.00171304	-0.0002141	0.79729329	0.99999994
Gm26704	0.00093856	0.00063486	0.00084931	-0.0002144	0.95358658	0.99999994
Tmem129	0.13361303	0.11006858	0.11028329	-0.0002147	0.50516984	0.99999994
Zfp599	0.03473363	0.03050888	0.03072443	-0.0002156	0.51862362	0.99999994
Gm38393	0.00357512	0.00301339	0.00322934	-0.0002159	0.67187932	0.99999994
Kif21b	0.00437306	0.00373169	0.00394796	-0.0002163	0.64231316	0.99999994
Nek10	0.00204024	0.00162849	0.00184483	-0.0002163	0.78247275	0.99999994
Hoxb3	0.00124872	0.00091306	0.00112973	-0.0002167	0.89912929	0.99999994
Rbm15	0.0730992	0.06283693	0.06305366	-0.0002167	0.50912657	0.99999994
Gm5771	0.00233832	0.00189687	0.00211393	-0.0002171	0.75285468	0.99999994
Scml2	0.00072338	0.00043739	0.00065468	-0.0002173	0.98642229	0.99999994
Etv5	0.02438361	0.02150111	0.0217185	-0.0002174	0.52656061	0.99999994
Gm4978	0.00183064	0.00143806	0.00165555	-0.0002175	0.80905562	0.99999994
Nat2	0.01754847	0.01548479	0.01570227	-0.0002175	0.53672806	0.99999994
Ifi202b	0.00110585	0.00078301	0.00100057	-0.0002176	0.92609363	0.99999994
Wfdc16	0.0087445	0.00765353	0.00787112	-0.0002176	0.57299504	0.99999994
Tgfb2	0.02469159	0.02177057	0.02198829	-0.0002177	0.52627492	0.99999994
Gm42918	0.00081406	0.0005189	0.0007367	-0.0002178	0.97545936	0.99999994
Cuzd1	0.00120549	0.00087256	0.00109065	-0.0002181	0.90840353	0.99999994
Cacna1g	0.00117184	0.00084207	0.00106023	-0.0002182	0.91460365	0.99999994
Crkl	0.01570874	0.01385519	0.0140735	-0.0002183	0.54111877	0.99999994
Zscan25	0.00066768	0.00038584	0.0006043	-0.0002185	0.9919415	0.99999994
Itih2	0.00827768	0.00723466	0.00745328	-0.0002186	0.57739738	0.99999994
Ampd3	0.00131587	0.00097148	0.00119043	-0.000219	0.88957876	0.99999994
Prdm10	0.01389241	0.01224207	0.01246148	-0.0002194	0.54664856	0.99999994
Zpbp2	0.00246314	0.00200693	0.00222658	-0.0002197	0.74430208	0.99999994
Pld4	0.00646428	0.00560772	0.00582763	-0.0002199	0.59916312	0.99999994
Clec14a	0.00080249	0.00050543	0.00072624	-0.0002208	0.97850645	0.99999994

Slc22a5	0.00207518	0.00165535	0.00187638	-0.000221	0.78350977	0.99999994
Cth	0.00523964	0.00450648	0.00472752	-0.000221	0.62218753	0.99999994
Camk1	0.19538365	0.15343557	0.15365689	-0.0002213	0.50382483	0.99999994
Tex11	0.00129069	0.00094632	0.00116767	-0.0002213	0.89648418	0.99999994
Cbs	0.02370629	0.02090306	0.02112479	-0.0002217	0.52784931	0.99999994
Cnn1	0.00267026	0.00219089	0.00241348	-0.0002226	0.73035892	0.99999994
Cbln3	0.0022047	0.0017707	0.00199331	-0.0002226	0.77137973	0.99999994
Alkbh8	0.09262903	0.07867808	0.07890087	-0.0002228	0.50749782	0.99999994
Aspdh	0.00108533	0.00075911	0.00098202	-0.0002229	0.93459977	0.99999994
Gm6277	0.002771	0.00228127	0.00250436	-0.0002231	0.72339188	0.99999994
Phkg1	0.0011595	0.00082585	0.00104907	-0.0002232	0.92165978	0.99999994
Nrxn3	0.0009163	0.00060581	0.00082917	-0.0002234	0.96351951	0.99999994
Cfap61	0.0040084	0.0033961	0.00361964	-0.0002235	0.65949243	0.99999994
Ina	0.00913004	0.00799223	0.00821601	-0.0002238	0.5719343	0.99999994
Des	0.00471546	0.004032	0.00425609	-0.0002241	0.6370062	0.99999994
Tbc1d12	0.01794445	0.01582735	0.01605232	-0.000225	0.53716272	0.99999994
Gpam	0.00546209	0.00470237	0.00492749	-0.0002251	0.61947484	0.99999994
Sprtn	0.00557659	0.0048052	0.0050304	-0.0002252	0.61714051	0.99999994
Tcf7	0.00085924	0.00055229	0.00077757	-0.0002253	0.97310202	0.99999994
Zfand4	0.00247426	0.00201109	0.00223662	-0.0002255	0.74895555	0.99999994
Ccdc116	0.00193329	0.00152272	0.00174825	-0.0002255	0.80475173	0.99999994
Gm13420	0.00467606	0.00399496	0.00422064	-0.0002257	0.63905068	0.99999994
Gm5602	0.00085143	0.00054478	0.00077051	-0.0002257	0.97441188	0.99999994
Dlec1	0.00191332	0.00150448	0.00173022	-0.0002257	0.80742746	0.99999994
Tnfrsf25	0.00071114	0.00041781	0.00064361	-0.0002258	0.99023533	0.99999994
Kcnc2	0.00362211	0.00304565	0.00327168	-0.000226	0.67719065	0.99999994
Ptpn22	0.0011996	0.00085858	0.00108532	-0.0002267	0.91782626	0.99999994
Gm13652	0.00081514	0.00051086	0.00073768	-0.0002268	0.97965399	0.99999994
Acacb	0.00263119	0.00215133	0.00237823	-0.0002269	0.73730436	0.99999994
Pabpc5	0.00565956	0.00487788	0.00510495	-0.0002271	0.61641391	0.99999994

Spag17	0.0021014	0.00167286	0.00190005	-0.0002272	0.78695871	0.99999994
Mvb12b	0.05994634	0.05192525	0.05215292	-0.0002277	0.51159097	0.99999994
Epb41l2	0.01452	0.01279119	0.01301892	-0.0002277	0.54634613	0.99999994
Lrrc74b	0.00665457	0.00577061	0.0059984	-0.0002278	0.5997809	0.99999994
Acot5	0.00063462	0.00034651	0.00057439	-0.0002279	0.99586361	0.99999994
Dse	0.00137373	0.00101468	0.00124272	-0.000228	0.88904163	0.99999994
Aipl1	0.00075122	0.00045163	0.00067987	-0.0002282	0.98727689	0.99999994
Slc38a7	0.02057694	0.0181463	0.01837471	-0.0002284	0.53297212	0.99999994
Lurap1	0.01305899	0.01149182	0.01172049	-0.0002287	0.55166497	0.99999994
Cyb561a3	0.0008662	0.00055505	0.00078387	-0.0002288	0.97399591	0.99999994
Fam133b	0.31614895	0.22663244	0.2268613	-0.0002289	0.50267896	0.99999994
Lancl3	0.01009447	0.00884897	0.00907797	-0.000229	0.56667465	0.99999994
Gm5547	0.00691473	0.0060028	0.00623181	-0.000229	0.5966245	0.99999994
Mesp2	0.0124929	0.01098731	0.01121671	-0.0002294	0.55414202	0.99999994
Nutf2-ps1	0.00643168	0.0055687	0.00579837	-0.0002297	0.60397645	0.99999994
1700030J22F	0.01288957	0.01133972	0.01156975	-0.00023	0.55264363	0.99999994
Al662270	0.00150734	0.00113343	0.00136347	-0.00023	0.86928821	0.99999994
Asb16	0.001023	0.00069552	0.00092566	-0.0002301	0.95102952	0.99999994
Ppargc1b	0.00114157	0.00080272	0.00103286	-0.0002301	0.93098656	0.99999994
Thns1	0.02700198	0.0237779	0.02400861	-0.0002307	0.52550014	0.99999994
Gm5449	0.00077422	0.00046989	0.00070067	-0.0002308	0.9858262	0.99999994
Mfap3l	0.00114262	0.00080271	0.00103381	-0.0002311	0.93162444	0.99999994
Gm13563	0.00146332	0.00109248	0.00132369	-0.0002312	0.87751816	0.99999994
9330136K24I	0.00182393	0.00141826	0.00164948	-0.0002312	0.82460886	0.99999994
Gpr21	0.00153681	0.00115886	0.00139009	-0.0002312	0.8659023	0.99999994
Zar1	0.00283657	0.00233167	0.00256351	-0.0002318	0.72640269	0.99999994
Gm14827	0.00124524	0.00089441	0.00112658	-0.0002322	0.91493278	0.99999994
Vsir	0.00341018	0.00284758	0.00308069	-0.0002331	0.69275793	0.99999994
Mettl2	0.04958884	0.04320292	0.04343607	-0.0002331	0.51425051	0.99999994
Pole2	0.00870665	0.00760407	0.00783725	-0.0002332	0.57849452	0.99999994

Fads2	0.00805577	0.00702108	0.00725456	-0.0002335	0.58481306	0.99999994
Atg14	0.06871538	0.05920739	0.05944117	-0.0002338	0.51044324	0.99999994
Efhc2	0.00729514	0.00633886	0.00657297	-0.0002341	0.59370131	0.99999994
Rnf32	0.04422659	0.03864214	0.03887635	-0.0002342	0.51599372	0.99999994
Areg	0.00072138	0.00041849	0.00065287	-0.0002344	0.99156741	0.99999994
Tmed11	0.0025197	0.00204313	0.00227762	-0.0002345	0.75342498	0.99999994
Cables1	0.01075225	0.00943046	0.00966522	-0.0002348	0.56421934	0.99999994
Gm12764	0.0010596	0.00072361	0.00095875	-0.0002351	0.94871498	0.99999994
Wnt5b	0.01045533	0.00916491	0.0094002	-0.0002353	0.56616037	0.99999994
Gm15743	0.0017957	0.00138862	0.00162399	-0.0002354	0.83265558	0.99999994
Senp2	0.06759228	0.05827691	0.05851237	-0.0002355	0.51068455	0.99999994
Cxcl10	0.00104545	0.00071026	0.00094596	-0.0002357	0.95139388	0.99999994
Ctsh	0.06502673	0.05614971	0.05638556	-0.0002359	0.51110607	0.99999994
Klhl35	0.00182433	0.00141377	0.00164984	-0.0002361	0.82955976	0.99999994
Ngef	0.00266034	0.0021684	0.00240452	-0.0002361	0.74332989	0.99999994
Fmo4	0.00340163	0.00283679	0.00307298	-0.0002362	0.69554036	0.99999994
Nudt15	0.00517747	0.00443507	0.00467162	-0.0002366	0.63196409	0.99999994
Bst1	0.00171043	0.00131001	0.00154695	-0.0002369	0.84602823	0.99999994
Gm10330	0.00256603	0.00208213	0.00231943	-0.0002373	0.75206788	0.99999994
2810433D01	0.00329579	0.00273994	0.00297759	-0.0002376	0.70237741	0.99999994
Gm17529	0.00190699	0.00148658	0.0017245	-0.0002379	0.82077358	0.99999994
Ggps1	0.13239032	0.10914204	0.10937997	-0.0002379	0.50577626	0.99999994
Tpd52l1	0.0256928	0.02262589	0.02286456	-0.0002387	0.52769788	0.99999994
Tigd3	0.00059517	0.00029967	0.0005387	-0.000239	0.99842879	0.99999994
Gm8909	0.00127297	0.00091248	0.00115165	-0.0002392	0.91657383	0.99999994
Slc1a1	0.00055873	0.00026654	0.00050572	-0.0002392	0.99917864	0.99999994
Pzp	0.00168485	0.00128407	0.00152385	-0.0002398	0.85253606	0.99999994
Ctnna3	0.00093546	0.00060647	0.0008465	-0.00024	0.97045081	0.99999994
Erbp2	0.01649609	0.01453075	0.01477106	-0.0002403	0.54311784	0.99999994
Dock2	0.00075071	0.00043893	0.00067941	-0.0002405	0.9907635	0.99999994

Chdh	0.00112654	0.00077849	0.00101928	-0.0002408	0.94207829	0.99999994
Gm13091	0.00068558	0.00037929	0.00062049	-0.0002412	0.99516649	0.99999994
Acot12	0.00037141	9.48E-05	0.00033621	-0.0002414	0.99999912	0.99999994
Zfp180	0.03972202	0.03477948	0.03502092	-0.0002414	0.5183005	0.99999994
Slc6a15	0.00054183	0.00024846	0.00049043	-0.000242	0.99948854	0.99999994
Stam	0.08708868	0.07420332	0.07444562	-0.0002423	0.50864249	0.99999994
Rgs5	0.0018662	0.00144534	0.00168766	-0.0002423	0.83039733	0.99999994
9530052E02I	0.0018499	0.00143056	0.00167294	-0.0002424	0.8325759	0.99999994
Sostdc1	0.00201573	0.00158024	0.0018227	-0.0002425	0.81204193	0.99999994
Rab26	0.01421073	0.01250136	0.01274428	-0.0002429	0.55048244	0.99999994
Gm16287	0.00155673	0.00116486	0.00140809	-0.0002432	0.874883	0.99999994
Kif5a	0.00375376	0.00314685	0.00339029	-0.0002434	0.68365534	0.99999994
Luzp2	0.00072153	0.00040954	0.00065301	-0.0002435	0.9934633	0.99999994
Clybl	0.05291259	0.04600271	0.04624625	-0.0002435	0.51398134	0.99999994
Lrrn4	0.00150534	0.00111804	0.00136166	-0.0002436	0.88315108	0.99999994
Cpz	0.00056593	0.0002686	0.00051224	-0.0002436	0.99922723	0.99999994
Foxr1	0.00077218	0.00045512	0.00069882	-0.0002437	0.98986433	0.99999994
Lrr1	0.00344747	0.00287054	0.0031143	-0.0002438	0.69881639	0.99999994
Pex5l	0.08584537	0.07319763	0.07344146	-0.0002438	0.508816	0.99999994
4930570G19	0.0011214	0.00077071	0.00101463	-0.0002439	0.94522263	0.99999994
Al837181	0.05082225	0.04423637	0.04448033	-0.000244	0.51456156	0.99999994
Myh7b	0.00196069	0.00152865	0.001773	-0.0002443	0.8205181	0.99999994
B230217O12	0.00091747	0.00058552	0.00083023	-0.0002447	0.97511515	0.99999994
Ap5b1	0.00487025	0.00415052	0.00439534	-0.0002448	0.64459039	0.99999994
Gm43568	0.00160527	0.00120671	0.00145195	-0.0002452	0.86955652	0.99999994
Utp15	0.0421101	0.03682243	0.03706772	-0.0002453	0.51756667	0.99999994
Iba57	0.01811486	0.01595726	0.0162029	-0.0002456	0.54018934	0.99999994
Fkbp6	0.00556401	0.00477341	0.00501908	-0.0002457	0.62771861	0.99999994
Trpv4	0.00121949	0.00085741	0.00110331	-0.0002459	0.93103558	0.99999994
Pdss1	0.02939483	0.02584828	0.02609448	-0.0002462	0.52503826	0.99999994

Pdzd9	0.00141589	0.00103458	0.00128083	-0.0002463	0.89968233	0.99999994
Efemp1	0.00461577	0.0039201	0.00416639	-0.0002463	0.65301682	0.99999994
Nup210l	0.00101778	0.0006745	0.00092094	-0.0002464	0.962564	0.99999994
Exosc2	0.08700969	0.07413533	0.07438188	-0.0002466	0.50880152	0.99999994
9330179D12	0.00078084	0.00046009	0.00070666	-0.0002466	0.98989697	0.99999994
Agrp	0.00174081	0.00132771	0.0015744	-0.0002467	0.85151835	0.99999994
Ticam2	0.00174136	0.00132812	0.0015749	-0.0002468	0.85152823	0.99999994
Epm2a	0.00919326	0.00802541	0.00827255	-0.0002471	0.57881411	0.99999994
Nuggc	0.00111225	0.0007592	0.00100636	-0.0002472	0.94895331	0.99999994
Adgrg3	0.00123292	0.00086818	0.00111545	-0.0002473	0.92997355	0.99999994
Cdkn3	0.0069211	0.00599008	0.00623753	-0.0002475	0.60413915	0.99999994
Bnc1	0.00153513	0.00114085	0.00138857	-0.0002477	0.88248316	0.99999994
Stag3	0.00081793	0.00049248	0.0007402	-0.0002477	0.98704822	0.99999994
Pot1b	0.00556514	0.00477216	0.0050201	-0.0002479	0.62882957	0.99999994
Alpk1	0.00057666	0.0002738	0.00052194	-0.0002481	0.99922345	0.99999994
Golga7b	0.01848635	0.01628287	0.01653106	-0.0002482	0.53980238	0.99999994
Arrdc2	0.02647548	0.02330056	0.02354876	-0.0002482	0.52796507	0.99999994
1700037C06l	0.00207824	0.00163086	0.00187915	-0.0002483	0.81043413	0.99999994
Tgm4	0.00080809	0.00048258	0.0007313	-0.0002487	0.98820899	0.99999994
Mep1a	0.00065609	0.00034471	0.00059381	-0.0002491	0.99738305	0.99999994
Lin52	0.03932095	0.03442732	0.03467653	-0.0002492	0.5190766	0.99999994
St6galnac3	0.00381018	0.00319169	0.00344112	-0.0002494	0.68527038	0.99999994
Nfatc2ip	0.01603417	0.01411236	0.0143619	-0.0002495	0.54603709	0.99999994
Akr1b7	0.00068743	0.00037223	0.00062216	-0.0002499	0.99625188	0.99999994
Cfap157	0.00073421	0.00041397	0.00066448	-0.0002505	0.99395346	0.99999994
E330034G19	0.00073425	0.00041395	0.00066451	-0.0002506	0.99396024	0.99999994
Fam178b	0.00325798	0.0026928	0.0029435	-0.0002507	0.71461763	0.99999994
Krt17	0.0010726	0.00071928	0.00097051	-0.0002512	0.95756053	0.99999994
Melk	0.00243745	0.00195174	0.0022034	-0.0002517	0.77644309	0.99999994
Cyct	0.00480945	0.00408892	0.00434065	-0.0002517	0.65026019	0.99999994

Pear1	0.00334587	0.00277067	0.00302273	-0.0002521	0.71057598	0.99999994
Sik2	0.0319745	0.0280836	0.02833575	-0.0002521	0.52361636	0.99999994
Rimbp3	0.00125396	0.00088209	0.00113446	-0.0002524	0.9306642	0.99999994
Mesp1	0.00070986	0.00039008	0.00064245	-0.0002524	0.99553601	0.99999994
Gabrg2	0.00109082	0.00073448	0.00098698	-0.0002525	0.95570653	0.99999994
Otud1	0.00473667	0.00402258	0.00427517	-0.0002526	0.65293992	0.99999994
B430219N15	0.00246465	0.00197517	0.00222795	-0.0002528	0.77493935	0.99999994
Gm4076	0.00082932	0.00049756	0.00075051	-0.0002529	0.98756417	0.99999994
Ahcy	0.00694945	0.00600988	0.00626296	-0.0002531	0.60602789	0.99999994
Opcml	0.00104326	0.00069057	0.00094398	-0.0002534	0.96302278	0.99999994
Tmem212	0.00040376	0.00011208	0.0003655	-0.0002534	0.99999804	0.99999994
1200007C13I	0.000712	0.0003909	0.00064439	-0.0002535	0.99558372	0.99999994
Ust	0.00099153	0.00064358	0.0008972	-0.0002536	0.97005476	0.99999994
Gm16894	0.00166197	0.0012494	0.00150317	-0.0002538	0.86944481	0.99999994
Lypd6	0.00674471	0.00582544	0.00607929	-0.0002538	0.60947243	0.99999994
Plxnd1	0.00515393	0.00439654	0.00465047	-0.0002539	0.6418676	0.99999994
Paox	0.0228686	0.02013563	0.02038976	-0.0002541	0.53305888	0.99999994
Aadat	0.00064668	0.00033106	0.0005853	-0.0002542	0.99808214	0.99999994
Taf12	0.22754918	0.1743214	0.17457585	-0.0002544	0.50387038	0.99999994
Fam135b	0.00201325	0.00156594	0.00182046	-0.0002545	0.82397473	0.99999994
Gm1123	0.00260583	0.00210067	0.00235534	-0.0002547	0.7641483	0.99999994
Asb5	0.00063353	0.0003186	0.0005734	-0.0002548	0.99845113	0.99999994
S100a3	0.0005903	0.00027889	0.00053429	-0.0002554	0.99926816	0.99999994
Fancb	0.00399873	0.00335546	0.00361094	-0.0002555	0.68116233	0.99999994
Gm10848	0.0009192	0.0005763	0.0008318	-0.0002555	0.97955267	0.99999994
Epas1	0.00271729	0.00220013	0.0024559	-0.0002558	0.75591808	0.99999994
Gm6225	0.00044234	0.00014408	0.00040041	-0.0002563	0.99998983	0.99999994
Fam13c	0.00108592	0.00072603	0.00098255	-0.0002565	0.95887984	0.99999994
Nrip2	0.00349178	0.00289696	0.00315424	-0.0002573	0.70640893	0.99999994
Ces2b	0.00068353	0.00036129	0.00061863	-0.0002573	0.9971885	0.99999994

Zmynd19	0.03863557	0.0338302	0.03408758	-0.0002574	0.52004226	0.99999994
Gm15351	0.00119807	0.00082648	0.00108395	-0.0002575	0.9430673	0.99999994
9430037G07	0.00160777	0.00119672	0.00145421	-0.0002575	0.88072036	0.99999994
Zfp874b	0.01529399	0.01344748	0.01370575	-0.0002583	0.54990923	0.99999994
Nrcam	0.00192025	0.00147819	0.00173647	-0.0002583	0.83893112	0.99999994
Mettl4	0.02620956	0.02305809	0.02331638	-0.0002583	0.52939012	0.99999994
Wdr38	0.00204807	0.00159311	0.0018519	-0.0002588	0.82386271	0.99999994
C1qc	0.01250628	0.01096962	0.01122861	-0.000259	0.56101032	0.99999994
Gm26739	0.00135177	0.0009634	0.00122287	-0.0002595	0.92107612	0.99999994
1700028I16R	0.00199048	0.00154018	0.0017999	-0.0002597	0.83159662	0.99999994
Gm10392	0.00106663	0.00070481	0.00096511	-0.0002603	0.96369441	0.99999994
Gm42800	0.00129255	0.00090859	0.00116935	-0.0002608	0.93113697	0.99999994
Gm21992	0.0029005	0.00236023	0.00262117	-0.0002609	0.74622414	0.99999994
Gm15496	0.0036257	0.0030139	0.00327491	-0.000261	0.70211934	0.99999994
Gm15541	0.00149828	0.00109356	0.00135528	-0.0002617	0.90067148	0.99999994
Gm6410	0.00278022	0.00225077	0.00251267	-0.0002619	0.75609923	0.99999994
Raet1e	0.00379448	0.003165	0.00342697	-0.000262	0.69457085	0.99999994
Topors	0.22814412	0.17469049	0.17495255	-0.0002621	0.50397765	0.99999994
Slc22a21	0.00156547	0.00115364	0.00141599	-0.0002623	0.89126169	0.99999994
Rassf9	0.01070291	0.00935827	0.00962118	-0.0002629	0.57216735	0.99999994
Clrn3	0.00043707	0.0001325	0.00039564	-0.0002631	0.99999523	0.99999994
Gm16863	0.00051652	0.0002041	0.00046753	-0.0002634	0.99991175	0.99999994
5530401A14	0.00327029	0.00269116	0.00295461	-0.0002634	0.72358308	0.99999994
Sipa1l2	0.00573655	0.0049102	0.00517412	-0.0002639	0.6328956	0.99999994
Zbtb7b	0.06859036	0.05907387	0.05933784	-0.000264	0.51181173	0.99999994
Gja4	0.00096663	0.00061055	0.00087469	-0.0002641	0.97778672	0.99999994
Kif13a	0.01502887	0.01320621	0.01347057	-0.0002644	0.55196705	0.99999994
Lpxn	0.00206808	0.00160551	0.00186997	-0.0002645	0.82673928	0.99999994
Cox7b2	0.00120735	0.00082762	0.00109233	-0.0002647	0.94663445	0.99999994
Gm12927	0.00048302	0.00017249	0.00043722	-0.0002647	0.99997215	0.99999994

Tmprss9	0.00052045	0.00020594	0.00047109	-0.0002652	0.99991035	0.99999994
Sipa1	0.02630715	0.02313646	0.02340167	-0.0002652	0.53006588	0.99999994
Ogdhl	0.0019642	0.00151094	0.00177617	-0.0002652	0.8398766	0.99999994
Ncf4	0.00139907	0.0010002	0.00126562	-0.0002654	0.91863621	0.99999994
Camkmt	0.00784689	0.00680197	0.00706745	-0.0002655	0.5987213	0.99999994
Gm44053	0.00117414	0.00079667	0.00106231	-0.0002656	0.95198857	0.99999994
Gm16035	0.00388713	0.00324412	0.00351042	-0.0002663	0.69320342	0.99999994
Myof	0.00429385	0.00361028	0.00387666	-0.0002664	0.67630295	0.99999994
Gm10369	0.00508832	0.00432493	0.00459147	-0.0002665	0.65039812	0.99999994
Ppp1r3e	0.00058594	0.00026356	0.00053034	-0.0002668	0.99959351	0.99999994
Gm5239	0.00063518	0.00030786	0.00057489	-0.000267	0.99900541	0.99999994
Tnfaip6	0.00069392	0.00036091	0.00062803	-0.0002671	0.99768086	0.99999994
Paqr6	0.00657172	0.00565628	0.00592406	-0.0002678	0.61824956	0.99999994
Gm38186	0.00121319	0.00082967	0.00109761	-0.0002679	0.94790898	0.99999994
Tgfbr3l	0.00612125	0.00525146	0.00551967	-0.0002682	0.62681941	0.99999994
Klk1b16	0.00317979	0.00260475	0.00287302	-0.0002683	0.73287248	0.99999994
Dok2	0.00264336	0.0021209	0.00238921	-0.0002683	0.77262547	0.99999994
Gm29427	0.0006351	0.00030647	0.00057482	-0.0002684	0.99905659	0.99999994
Hemgn	0.00051179	0.00019456	0.00046326	-0.0002687	0.99994349	0.99999994
Ctnna2	0.00950976	0.0082864	0.00855552	-0.0002691	0.58292631	0.99999994
Asb2	0.00064556	0.00031514	0.00058428	-0.0002691	0.99891576	0.99999994
Cyp39a1	0.03435425	0.03012715	0.03039651	-0.0002694	0.52351887	0.99999994
Sorcs1	0.00063519	0.00030541	0.0005749	-0.0002695	0.99909659	0.99999994
Zfp457	0.00152704	0.00111176	0.00138127	-0.0002695	0.90298595	0.99999994
Tmem240	0.00799957	0.00693471	0.00720422	-0.0002695	0.59832416	0.99999994
Cadps2	0.00265254	0.00212784	0.00239749	-0.0002697	0.77296757	0.99999994
B230303O12	0.00115114	0.00077173	0.00104151	-0.0002698	0.95766178	0.99999994
Gm26947	0.00278348	0.00224578	0.00251562	-0.0002698	0.76238441	0.99999994
Aass	0.00076273	0.00042008	0.00069027	-0.0002702	0.99541307	0.99999994
Acadvl	0.51211079	0.31869703	0.31896728	-0.0002703	0.50224996	0.99999994

Rusc2	0.00404122	0.00337887	0.0036492	-0.0002703	0.68902964	0.99999994
Xylt2	0.0369119	0.0323332	0.03260407	-0.0002709	0.52205017	0.99999994
Spata17	0.00242152	0.00191807	0.00218903	-0.000271	0.79501046	0.99999994
Cngb1	0.00065919	0.00032559	0.00059662	-0.000271	0.99875176	0.99999994
C230037L18F	0.01079096	0.00942833	0.00969976	-0.0002714	0.57388169	0.99999994
St3gal4	0.05665117	0.04912107	0.04939254	-0.0002715	0.51459171	0.99999994
Nek8	0.01605603	0.01410974	0.01438127	-0.0002715	0.55000666	0.99999994
Lmbr1l	0.07892771	0.06755328	0.06782496	-0.0002717	0.51063586	0.99999994
Ccdc15	0.0049111	0.00416031	0.00443208	-0.0002718	0.65842332	0.99999994
Gm20939	0.00818009	0.00709374	0.0073659	-0.0002722	0.59713528	0.99999994
Slc39a5	0.01163728	0.01018231	0.01045452	-0.0002722	0.56879832	0.99999994
Apobec4	0.00262007	0.00209591	0.00236819	-0.0002723	0.77795793	0.99999994
Morn1	0.01902754	0.01673632	0.01700882	-0.0002725	0.54246384	0.99999994
Atp1a2	0.00074824	0.00040443	0.00067717	-0.0002727	0.99632906	0.99999994
Ak4	0.00281196	0.00226783	0.00254131	-0.0002735	0.76309632	0.99999994
Mme	0.00107899	0.0007021	0.00097628	-0.0002742	0.96921751	0.99999994
Sult1c2	0.00512252	0.00434799	0.00462222	-0.0002742	0.65354578	0.99999994
1700037C18I	0.06054776	0.05238114	0.05265545	-0.0002743	0.51383095	0.99999994
Tle2	0.14449738	0.11797186	0.11824618	-0.0002743	0.50616036	0.99999994
Agtr1a	0.00151796	0.00109847	0.00137306	-0.0002746	0.90842957	0.99999994
6430562O15	0.00126171	0.00086678	0.00114147	-0.0002747	0.94540293	0.99999994
Ift43	0.14393721	0.11756506	0.11783978	-0.0002747	0.50619046	0.99999994
Vwc2	0.00051935	0.00019532	0.00047009	-0.0002748	0.99995003	0.99999994
1810062O18	0.00852957	0.00740387	0.00767878	-0.0002749	0.59417542	0.99999994
Gm20554	0.00784017	0.0067863	0.00706143	-0.0002751	0.6023181	0.99999994
Xaf1	0.0021582	0.00167617	0.00195134	-0.0002752	0.82604311	0.99999994
Zbtb39	0.01788467	0.01572418	0.01599948	-0.0002753	0.54559438	0.99999994
Col12a1	0.00139695	0.00098827	0.00126371	-0.0002754	0.92658344	0.99999994
Gabrb2	0.00084323	0.00048752	0.00076309	-0.0002756	0.99188714	0.99999994
Lrrc18	0.00216493	0.00168178	0.00195742	-0.0002756	0.82570403	0.99999994

Rnasek	0.00054771	0.00022006	0.00049575	-0.0002757	0.99989288	0.99999994
Cdh15	0.0012188	0.00082691	0.00110268	-0.0002758	0.95201669	0.99999994
Neu2	0.0013622	0.00095626	0.0012323	-0.000276	0.93202585	0.99999994
Adh4	0.00047367	0.00015257	0.00042876	-0.0002762	0.99999097	0.99999994
Kcng3	0.00049846	0.00017498	0.00045119	-0.0002762	0.99997698	0.99999994
A930007I19F	0.00460674	0.00388157	0.00415826	-0.0002767	0.67108839	0.99999994
Il20rb	0.00053781	0.00020946	0.0004868	-0.0002773	0.99992536	0.99999994
Osr1	0.00322659	0.00263786	0.0029152	-0.0002773	0.73672373	0.99999994
Clec10a	0.00057337	0.00024155	0.00051897	-0.0002774	0.99981326	0.99999994
Gm15614	0.0166169	0.01460033	0.01487802	-0.0002777	0.54943645	0.99999994
Ctf2	0.00120992	0.00081672	0.00109466	-0.0002779	0.95449273	0.99999994
Gemin4	0.00108259	0.00070141	0.00097954	-0.0002781	0.97062114	0.99999994
Gjc3	0.00105914	0.00068014	0.00095834	-0.0002782	0.9733403	0.99999994
Pcdhb16	0.01843451	0.01620703	0.01648527	-0.0002782	0.54472595	0.99999994
Tnfrsf22	0.00353148	0.00291175	0.00319001	-0.0002783	0.71925482	0.99999994
Trim36	0.00120545	0.00081207	0.00109061	-0.0002785	0.95543428	0.99999994
Ube2ql1	0.0058256	0.0049754	0.00525412	-0.0002787	0.63799811	0.99999994
Plekhg2	0.0253741	0.022307	0.02258576	-0.0002788	0.53273808	0.99999994
Slc7a7	0.009084	0.00789544	0.00817484	-0.0002794	0.58998246	0.99999994
Gm960	0.00053801	0.00020752	0.00048698	-0.0002795	0.99993323	0.99999994
1500015L24F	0.00172632	0.00128161	0.00156131	-0.0002797	0.8834589	0.99999994
Slc11a1	0.00070423	0.0003575	0.00063736	-0.0002799	0.99826539	0.99999994
Tmem255b	0.00182922	0.00137333	0.00165426	-0.0002809	0.87084424	0.99999994
Wdr17	0.00277669	0.00222837	0.00250949	-0.0002811	0.77206632	0.99999994
Catsperd	0.00148142	0.00105886	0.00134004	-0.0002812	0.91875388	0.99999994
Dgka	0.02233409	0.01963893	0.01992032	-0.0002814	0.53745537	0.99999994
Clca3a2	0.00050703	0.00017731	0.00045894	-0.0002816	0.99997794	0.99999994
4933431E20I	0.00607492	0.00519632	0.00547807	-0.0002817	0.63395386	0.99999994
Fsbp	0.00096294	0.00058949	0.00087135	-0.0002819	0.98434708	0.99999994
Fam76a	0.21823485	0.16834821	0.16863019	-0.000282	0.50444041	0.99999994

Adcy1	0.00657308	0.00564302	0.00592528	-0.0002823	0.62441022	0.99999994
Pank4	0.01157431	0.01011573	0.01039839	-0.0002827	0.57179262	0.99999994
BC048507	0.00053656	0.00020295	0.00048566	-0.0002827	0.99994664	0.99999994
Prdm5	0.00711818	0.00613156	0.00641429	-0.0002827	0.61539001	0.99999994
Slc17a4	0.00166916	0.00122649	0.00150968	-0.0002832	0.8940945	0.99999994
Gm11100	0.00211253	0.00162681	0.0019101	-0.0002833	0.83822999	0.99999994
Adamts6	0.00536265	0.00455473	0.00483811	-0.0002834	0.65168549	0.99999994
1810012K16I	0.00051617	0.00018372	0.00046722	-0.0002835	0.99997316	0.99999994
Gm10714	0.00064774	0.00030268	0.00058625	-0.0002836	0.99935829	0.99999994
Krt12	0.00105572	0.00067165	0.00095525	-0.0002836	0.97592986	0.99999994
Pdlim2	0.0041866	0.00349602	0.0037801	-0.0002841	0.69154586	0.99999994
F8	0.00401552	0.00334186	0.00362606	-0.0002842	0.69906234	0.99999994
Ccdc87	0.0008231	0.00046065	0.00074488	-0.0002842	0.9944556	0.99999994
Nrg4	0.00061695	0.00027399	0.0005584	-0.0002844	0.99965088	0.99999994
Nid1	0.00258505	0.00205172	0.00233659	-0.0002849	0.79147029	0.99999994
Il2	0.01413355	0.01239083	0.01267572	-0.0002849	0.55946167	0.99999994
Pdgfra	0.00123469	0.00083208	0.00111705	-0.000285	0.9552541	0.99999994
9530046B11	0.00234245	0.00183261	0.00211766	-0.000285	0.81486828	0.99999994
Adam11	0.00274695	0.00219746	0.00248266	-0.0002852	0.7777636	0.99999994
Popdc3	0.00054115	0.00020434	0.00048982	-0.0002855	0.99994765	0.99999994
Zscan22	0.02510607	0.02206554	0.02235119	-0.0002856	0.53389633	0.99999994
Medag	0.00113272	0.00073908	0.00102486	-0.0002858	0.96828184	0.99999994
Zfp423	0.01141887	0.00997404	0.01025983	-0.0002858	0.57354716	0.99999994
Rspo3	0.00063753	0.00029122	0.00057702	-0.0002858	0.99951123	0.99999994
Fbxw10	0.00159334	0.00115499	0.00144117	-0.0002862	0.90687826	0.99999994
Disc1	0.00288292	0.00231893	0.00260531	-0.0002864	0.7678228	0.99999994
M1ap	0.00171049	0.00126029	0.00154701	-0.0002867	0.89133853	0.99999994
Cilp2	0.00275462	0.00220275	0.00248958	-0.0002868	0.77842744	0.99999994
Gm17435	0.00875271	0.00759144	0.00787847	-0.000287	0.59580476	0.99999994
Syk	0.00425669	0.0035561	0.00384321	-0.0002871	0.69049698	0.99999994

Chst2	0.0049649	0.00419314	0.00448047	-0.0002873	0.66526429	0.99999994
Fmod	0.0031306	0.00254108	0.00282866	-0.0002876	0.75071375	0.99999994
Mpv17l	0.03635194	0.03183373	0.0321214	-0.0002877	0.52376785	0.99999994
Prkch	0.01002298	0.00872631	0.00901411	-0.0002878	0.58415249	0.99999994
Hacd4	0.00622405	0.00532376	0.00561198	-0.0002882	0.63377117	0.99999994
2200002D01	0.00506225	0.00427979	0.00456802	-0.0002882	0.66275344	0.99999994
Kdm6bos	0.00085349	0.00048394	0.00077237	-0.0002884	0.99353551	0.99999994
Lingo3	0.00249849	0.00196931	0.00225849	-0.0002892	0.80297448	0.99999994
Ccr9	0.00106162	0.00067109	0.00096058	-0.0002895	0.97757237	0.99999994
Spry4	0.00623508	0.00533236	0.00562188	-0.0002895	0.63412153	0.99999994
Kif23	0.00351894	0.00288894	0.00317871	-0.0002898	0.72800258	0.99999994
Trnp1	0.00846229	0.00732863	0.00761855	-0.0002899	0.59998311	0.99999994
C3ar1	0.00216666	0.00166895	0.00195898	-0.00029	0.8378039	0.99999994
Gm7535	0.00196364	0.00148564	0.00177566	-0.00029	0.86153037	0.99999994
Stfa2l1	0.00078012	0.00041597	0.00070601	-0.00029	0.9968764	0.99999994
Ccne1	0.02652345	0.02330039	0.02359067	-0.0002903	0.53263958	0.99999994
Ikzf1	0.00056548	0.00022144	0.00051183	-0.0002904	0.99992049	0.99999994
Adamtsl1	0.00187923	0.00140889	0.00169943	-0.0002905	0.87244113	0.99999994
Spata45	0.00141046	0.00098534	0.00127592	-0.0002906	0.93523193	0.99999994
Efcab5	0.0010979	0.00070281	0.00099339	-0.0002906	0.97423816	0.99999994
Mpo	0.00198377	0.00150322	0.00179384	-0.0002906	0.85957193	0.99999994
Eno4	0.00416083	0.00346617	0.00375691	-0.0002907	0.6967624	0.99999994
4932413F04	0.00054599	0.00020342	0.0004942	-0.0002908	0.99995507	0.99999994
Ctc1	0.05865396	0.05078057	0.0510717	-0.0002911	0.51513432	0.99999994
1700040D17	0.00967774	0.00841445	0.00870566	-0.0002912	0.58810096	0.99999994
2500002B13	0.01069461	0.00932255	0.00961378	-0.0002912	0.57989975	0.99999994
Pcdhga2	0.00605999	0.00517341	0.00546466	-0.0002912	0.6386152	0.99999994
Ppfia2	0.00363133	0.00298872	0.00327999	-0.0002913	0.72277047	0.99999994
Nat10	0.02701767	0.02373079	0.02402231	-0.0002915	0.53219043	0.99999994
1700012B07	0.00058387	0.00023689	0.00052847	-0.0002916	0.99987994	0.99999994

Lrrc55	0.00068755	0.00033059	0.00062227	-0.0002917	0.99909615	0.99999994
Nlrc4	0.00251353	0.00198019	0.00227206	-0.0002919	0.80374596	0.99999994
Avil	0.00214483	0.00164737	0.00193927	-0.0002919	0.84180344	0.99999994
Cxcl13	0.00179782	0.00133392	0.0016259	-0.000292	0.88402621	0.99999994
Pole	0.00127035	0.00085701	0.00114928	-0.0002923	0.95474704	0.99999994
Ccdc120	0.02377857	0.02089576	0.02118818	-0.0002924	0.53659697	0.99999994
Gm12278	0.00083735	0.00046475	0.00075777	-0.000293	0.99497238	0.99999994
Gm14486	0.0007687	0.00040264	0.00069568	-0.000293	0.99747513	0.99999994
Zfp235	0.03084794	0.0270648	0.02735792	-0.0002931	0.52842796	0.99999994
Mfsd7a	0.00180305	0.00133736	0.00163062	-0.0002933	0.88436649	0.99999994
Rpap3	0.10716911	0.09004389	0.09033722	-0.0002933	0.50862182	0.99999994
Gm11521	0.00236847	0.00184737	0.00214115	-0.0002938	0.81945446	0.99999994
Gsdma	0.00063202	0.0002778	0.00057203	-0.0002942	0.99969116	0.99999994
Kcnn1	0.0067964	0.00583133	0.00612566	-0.0002943	0.62545262	0.99999994
Stat6	0.01839538	0.01615629	0.01645071	-0.0002944	0.54741342	0.99999994
2900072N19	0.0006297	0.00027532	0.00056994	-0.0002946	0.99971005	0.99999994
B4galnt1	0.0039237	0.00324834	0.00354337	-0.000295	0.71028214	0.99999994
Nos1	0.00149718	0.00105924	0.00135428	-0.000295	0.92649044	0.99999994
Slc22a29	0.00205399	0.00156213	0.00185725	-0.0002951	0.85490552	0.99999994
Pirt	0.00118376	0.00077581	0.001071	-0.0002952	0.96672149	0.99999994
Gm43625	0.00169328	0.00123626	0.00153147	-0.0002952	0.90027004	0.99999994
Gm20531	0.00125286	0.00083815	0.00113347	-0.0002953	0.95856494	0.99999994
Gm17102	0.0017498	0.0012869	0.00158252	-0.0002956	0.89314589	0.99999994
Nhlrc1	0.00886181	0.00768039	0.00797609	-0.0002957	0.59745603	0.99999994
Gm12454	0.0014446	0.00101105	0.00130677	-0.0002957	0.93400756	0.99999994
Gm17655	0.00084003	0.00046425	0.00076019	-0.0002959	0.99521947	0.99999994
Esyt3	0.00121132	0.00079984	0.00109592	-0.0002961	0.96393965	0.99999994
Purg	0.0199849	0.01755688	0.01785312	-0.0002962	0.54397438	0.99999994
Dazl	0.0012826	0.00086406	0.00116035	-0.0002963	0.95540242	0.99999994
Dgat1	0.10052456	0.08489164	0.08518846	-0.0002968	0.50925145	0.99999994

5730420D15	0.00066823	0.00030761	0.00060479	-0.0002972	0.9994637	0.99999994
Sdha	0.56722245	0.33969653	0.33999374	-0.0002972	0.50232138	0.99999994
Hs3st1	0.00299376	0.00240769	0.00270527	-0.0002976	0.7679789	0.99999994
Kcp	0.00310676	0.00250958	0.00280717	-0.0002976	0.75979337	0.99999994
Ehhadh	0.00187936	0.00140189	0.00169954	-0.0002977	0.87814637	0.99999994
E030044B06	0.00065464	0.00029475	0.0005925	-0.0002977	0.99958857	0.99999994
Gen1	0.00203163	0.001539	0.00183706	-0.0002981	0.8599246	0.99999994
Fzd1	0.00508597	0.00429119	0.00458935	-0.0002982	0.66729266	0.99999994
Zfp160	0.04718997	0.04110156	0.04140021	-0.0002986	0.51914823	0.99999994
Gm2415	0.00746077	0.00642253	0.00672144	-0.0002989	0.61638954	0.99999994
Kcnt1	0.00198949	0.00150007	0.00179901	-0.0002989	0.86565005	0.99999994
Gm11992	0.00805904	0.0069581	0.00725748	-0.0002994	0.60818189	0.99999994
Foxn1	0.00089265	0.00050831	0.00080778	-0.0002995	0.99320194	0.99999994
Ercc1	0.18691271	0.14766401	0.1479635	-0.0002995	0.5053748	0.99999994
Tyw3	0.00742868	0.00639315	0.00669268	-0.0002995	0.61710892	0.99999994
Rasa4	0.00487473	0.00409973	0.00439937	-0.0002996	0.67485479	0.99999994
Pf4	0.01715868	0.01505786	0.01535752	-0.0002997	0.55166841	0.99999994
Trim14	0.00167094	0.00121086	0.00151128	-0.0003004	0.90710949	0.99999994
Aldh1l2	0.00068477	0.00031892	0.00061976	-0.0003008	0.99938332	0.99999994
Trpm3	0.00069349	0.00032678	0.00062765	-0.0003009	0.99929042	0.99999994
Arl10	0.0251991	0.02213126	0.02243262	-0.0003014	0.53562649	0.99999994
Postn	0.0017952	0.00132168	0.00162353	-0.0003019	0.89206663	0.99999994
Tmem120b	0.05186419	0.04505915	0.04536117	-0.000302	0.51767472	0.99999994
Grik3	0.0015483	0.00109843	0.00140048	-0.000302	0.92444392	0.99999994
Fbxw15	0.00298525	0.00239505	0.0026976	-0.0003025	0.77232933	0.99999994
Gm43136	0.00111093	0.0007026	0.00100517	-0.0003026	0.9774463	0.99999994
Col11a1	0.00112555	0.00071518	0.00101838	-0.0003032	0.97624738	0.99999994
Xkr8	0.00281287	0.00223891	0.00254213	-0.0003032	0.78638596	0.99999994
Pagr1a	0.00601427	0.00512035	0.00542359	-0.0003032	0.6451154	0.99999994
Lox	0.00062512	0.0002622	0.00056579	-0.0003036	0.99982263	0.99999994

Spdya	0.00096002	0.00056488	0.00086871	-0.0003038	0.99004488	0.99999994
Erbp4	0.00210437	0.00159889	0.00190273	-0.0003038	0.85609117	0.99999994
Porcn	0.02430495	0.02134558	0.02164958	-0.000304	0.53723286	0.99999994
Hpd1	0.00136565	0.00093131	0.00123542	-0.0003041	0.94934429	0.99999994
Zkscan16	0.00270038	0.00213585	0.00244065	-0.0003048	0.79708667	0.99999994
Glr3	0.00291129	0.00232593	0.0026309	-0.000305	0.77981855	0.99999994
Fam227a	0.02323006	0.02040176	0.02070702	-0.0003053	0.53908442	0.99999994
Pms1	0.02137215	0.01876887	0.01907464	-0.0003058	0.54248769	0.99999994
Dnali1	0.00119332	0.00077378	0.00107965	-0.0003059	0.97033523	0.99999994
Tchh	0.00161116	0.00115124	0.00145727	-0.000306	0.9189233	0.99999994
Ect2	0.00458507	0.00383271	0.00413877	-0.0003061	0.68872082	0.99999994
Ccr10	0.00195039	0.00145731	0.0017637	-0.0003064	0.87622708	0.99999994
Ccdc63	0.00252269	0.00197389	0.00228032	-0.0003064	0.81447165	0.99999994
Adhfe1	0.00166141	0.001196	0.00150267	-0.0003067	0.9128423	0.99999994
Zscan18	0.00967439	0.00839572	0.00870266	-0.0003069	0.5928059	0.99999994
Eno1b	0.01551778	0.01359715	0.01390421	-0.0003071	0.55843265	0.99999994
Ccdc39	0.00563435	0.00477519	0.0050823	-0.0003071	0.65624126	0.99999994
Csrnp2	0.01533154	0.01343139	0.01373905	-0.0003077	0.55924619	0.99999994
Npr1	0.00280672	0.00222871	0.00253658	-0.0003079	0.79042427	0.99999994
Btg3	0.00079065	0.00040759	0.00071553	-0.0003079	0.9979128	0.99999994
Cfap58	0.00114312	0.00072584	0.00103426	-0.0003084	0.9764257	0.99999994
Gm12932	0.00086376	0.00047269	0.00078166	-0.000309	0.99574432	0.99999994
Shroom1	0.01398474	0.01223442	0.01254352	-0.0003091	0.56514572	0.99999994
Faap20	0.32526549	0.23151754	0.23182713	-0.0003096	0.5035461	0.99999994
Gm17146	0.00239931	0.00185935	0.00216899	-0.0003096	0.82900417	0.99999994
Kif18a	0.00307015	0.00246446	0.00277416	-0.0003097	0.77128884	0.99999994
Cacna2d4	0.00383083	0.0031499	0.00345971	-0.0003098	0.72443674	0.99999994
Pcdhb4	0.00119923	0.00077507	0.00108499	-0.0003099	0.97136961	0.99999994
Gm43579	0.00641067	0.00546944	0.00577951	-0.0003101	0.63949944	0.99999994
Muc20	0.01125223	0.00980073	0.01011123	-0.0003105	0.58098294	0.99999994

Rorb	0.00320153	0.00258194	0.00289262	-0.0003107	0.76267007	0.99999994
Cfap69	0.0114322	0.00996089	0.01027171	-0.0003108	0.57981347	0.99999994
Slc2a3	0.00346588	0.00281987	0.00313089	-0.000311	0.74576892	0.99999994
2410004P03I	0.00155038	0.001091	0.00140236	-0.0003114	0.93027669	0.99999994
Nrp2	0.00800238	0.00689479	0.00720674	-0.000312	0.61337552	0.99999994
E130018N17	0.00215334	0.00163499	0.00194695	-0.000312	0.8569093	0.99999994
Mb21d2	0.04103078	0.03583104	0.03614344	-0.0003124	0.5229402	0.99999994
Ppargc1a	0.00293329	0.00233811	0.00265073	-0.0003126	0.78378854	0.99999994
Bcl2l14	0.00523346	0.00440888	0.00472197	-0.0003131	0.67051819	0.99999994
9530059O14	0.00151984	0.00106155	0.00137476	-0.0003132	0.93530475	0.99999994
Gprc6a	0.00345196	0.00280488	0.00311835	-0.0003135	0.74828869	0.99999994
Map2k6	0.02420364	0.02124715	0.0215608	-0.0003136	0.53856933	0.99999994
Gm19705	0.00219461	0.00167047	0.00198421	-0.0003137	0.85371306	0.99999994
Ephx3	0.00105277	0.00063861	0.00095257	-0.000314	0.98587971	0.99999994
Slc6a8	0.02867601	0.02515449	0.02546858	-0.0003141	0.53271155	0.99999994
Tmem106a	0.02221941	0.01950534	0.01981955	-0.0003142	0.54202203	0.99999994
Lama4	0.00145577	0.00100244	0.00131686	-0.0003144	0.94400539	0.99999994
Tbl1xr1	0.08759916	0.07454258	0.07485745	-0.0003149	0.51116857	0.99999994
Gm14616	0.00088923	0.0004897	0.00080469	-0.000315	0.99541439	0.99999994
Gpr182	0.00241612	0.00186915	0.00218415	-0.000315	0.83146487	0.99999994
4930537H20I	0.00457579	0.00381532	0.00413042	-0.0003151	0.69419946	0.99999994
Sbspon	0.00889752	0.00769282	0.00800803	-0.0003152	0.60334254	0.99999994
Neur11a	0.01736641	0.01522588	0.01554126	-0.0003154	0.5537254	0.99999994
Hspb1	0.04030081	0.0352015	0.03551759	-0.0003161	0.52361867	0.99999994
Cdk5r1	0.0560012	0.04853022	0.04884665	-0.0003164	0.517197	0.99999994
Plb1	0.00218939	0.00166307	0.0019795	-0.0003164	0.85634753	0.99999994
Gm42851	0.00202789	0.00151694	0.00183368	-0.0003167	0.87488767	0.99999994
Gngt2	0.00087993	0.0004793	0.00079628	-0.000317	0.99597213	0.99999994
Gm5784	0.00628654	0.00535077	0.00566808	-0.0003173	0.64529102	0.99999994
5430402O13	0.00600034	0.00509343	0.00541108	-0.0003177	0.65201153	0.99999994

Dnajc27	0.01284394	0.01121145	0.01152915	-0.0003177	0.57276691	0.99999994
Tmem201	0.04161161	0.03632324	0.036641	-0.0003178	0.52301668	0.99999994
Nphs1	0.00417291	0.00344992	0.00376778	-0.0003179	0.71278431	0.99999994
Mis18bp1	0.00330837	0.00267104	0.00298893	-0.0003179	0.76050977	0.99999994
Hgd	0.00103215	0.00061602	0.00093393	-0.0003179	0.98826826	0.99999994
Gm10184	0.00324507	0.00261346	0.00293186	-0.0003184	0.76512525	0.99999994
A3galt2	0.00146124	0.00100251	0.0013218	-0.0003193	0.94606911	0.99999994
Micall2	0.00492611	0.0041262	0.00444558	-0.0003194	0.68375124	0.99999994
Ccdc13	0.00542863	0.00457801	0.00489741	-0.0003194	0.66789767	0.99999994
Ndnf	0.00099921	0.0005847	0.00090415	-0.0003194	0.99065817	0.99999994
Hcar1	0.00083335	0.00043464	0.00075415	-0.0003195	0.99759955	0.99999994
Zbtb49	0.02052964	0.01801312	0.01833306	-0.0003199	0.54623825	0.99999994
Fcrs	0.00380575	0.00311687	0.00343712	-0.0003203	0.73243794	0.99999994
Mcpt8	0.00129739	0.00085347	0.00117372	-0.0003203	0.96533172	0.99999994
Bhlhe40	0.00534974	0.00450611	0.0048265	-0.0003204	0.670707	0.99999994
1810019N24	0.00143436	0.00097701	0.00129752	-0.0003205	0.94993334	0.99999994
Pappa	0.00161079	0.00113596	0.00145694	-0.000321	0.92874229	0.99999994
Batf	0.00170229	0.0012186	0.0015396	-0.000321	0.91740626	0.99999994
Kif27	0.00258435	0.00201455	0.00233597	-0.0003214	0.8201329	0.99999994
Frdm8os	0.00612556	0.00520197	0.00552354	-0.0003216	0.65081444	0.99999994
Gm13075	0.00336983	0.0027225	0.00304433	-0.0003218	0.75918142	0.99999994
Pde1b	0.00126473	0.00082216	0.0011442	-0.000322	0.96949899	0.99999994
Gm826	0.00324978	0.00261301	0.00293611	-0.0003231	0.76806992	0.99999994
Gzmm	0.00162498	0.00114651	0.00146976	-0.0003233	0.92839792	0.99999994
Hspbap1	0.04430668	0.03862018	0.03894469	-0.0003245	0.52211586	0.99999994
Gabra4	0.00141906	0.00095915	0.00128369	-0.0003245	0.95379902	0.99999994
Hrh3	0.00398977	0.00327817	0.00360287	-0.0003247	0.72570894	0.99999994
lcmt	0.03317018	0.02904675	0.02937197	-0.0003252	0.52937642	0.99999994
Slc22a2	0.00170492	0.00121651	0.00154198	-0.0003255	0.91998529	0.99999994
Lepr	0.0042781	0.00353679	0.00386248	-0.0003257	0.71269323	0.99999994

Ppfia4	0.00278956	0.00219528	0.0025211	-0.0003258	0.80517352	0.99999994
Fam83b	0.00483772	0.00404024	0.00436607	-0.0003258	0.69031979	0.99999994
Klhl29	0.00152606	0.00105427	0.00138038	-0.0003261	0.94208716	0.99999994
Dclk2	0.0025853	0.00201067	0.00233682	-0.0003262	0.82356262	0.99999994
Cort	0.00217989	0.00164466	0.00197092	-0.0003263	0.86474187	0.99999994
Rnf43	0.00725459	0.00621007	0.00653661	-0.0003265	0.63025032	0.99999994
Myo1g	0.00075407	0.0003558	0.00068245	-0.0003266	0.9992786	0.99999994
Lamb2	0.00909779	0.00786049	0.00818717	-0.0003267	0.6047279	0.99999994
Pdp1	0.01788668	0.01567397	0.01600126	-0.0003273	0.55414873	0.99999994
Pou6f1	0.01433172	0.01252384	0.01285174	-0.0003279	0.56742821	0.99999994
Pcdhga7	0.01979569	0.01735822	0.01768635	-0.0003281	0.54914172	0.99999994
Gtf2a1l	0.00430979	0.00356142	0.00389101	-0.0003296	0.71356587	0.99999994
Aox1	0.00051244	0.00013386	0.00046384	-0.00033	0.99999891	0.99999994
Zdhhc18	0.00958525	0.00829266	0.00862299	-0.0003303	0.60063523	0.99999994
Nr0b2	0.01580144	0.01382509	0.01415567	-0.0003306	0.56176482	0.99999994
Pdzrn4	0.0383934	0.0335487	0.03387936	-0.0003307	0.52589883	0.99999994
Gm10112	0.00076804	0.00036439	0.00069508	-0.0003307	0.99922939	0.99999994
Gnb1l	0.02747987	0.02409503	0.02442572	-0.0003307	0.53590354	0.99999994
Gm16099	0.00086419	0.0004512	0.00078205	-0.0003308	0.99756874	0.99999994
Ptcd3	0.10194539	0.08596285	0.08629413	-0.0003313	0.51019321	0.99999994
Sema3d	0.00116252	0.00072031	0.0010518	-0.0003315	0.98204113	0.99999994
Elane	0.00097113	0.00054686	0.00087876	-0.0003319	0.99403247	0.99999994
Ngb	0.0014479	0.00097682	0.00130975	-0.0003329	0.95467862	0.99999994
Pde6a	0.00087108	0.0004547	0.00078828	-0.0003336	0.99757473	0.99999994
Gm15821	0.00096773	0.00054201	0.00087568	-0.0003337	0.9943987	0.99999994
Aldh3a1	0.00139845	0.00093127	0.00126506	-0.0003338	0.96048138	0.99999994
Gm43254	0.0037206	0.00302652	0.00336041	-0.0003339	0.74581725	0.99999994
A830018L16I	0.00174214	0.00124107	0.0015756	-0.0003345	0.9212119	0.99999994
Clip3	0.14339689	0.1171128	0.11744742	-0.0003346	0.50756534	0.99999994
Gm7808	0.00748849	0.00641152	0.00674629	-0.0003348	0.62941668	0.99999994

Cenpo	0.01365639	0.0119165	0.01225172	-0.0003352	0.57225664	0.99999994
C1s1	0.00091493	0.00049267	0.00082793	-0.0003353	0.99648471	0.99999994
Eda2r	0.00089466	0.00047417	0.0008096	-0.0003354	0.99709129	0.99999994
Stab1	0.00523728	0.00438968	0.0047254	-0.0003357	0.68185862	0.99999994
Adamts16	0.00372994	0.00303304	0.00336882	-0.0003358	0.74648344	0.99999994
Morn5	0.00268389	0.00208984	0.00242577	-0.0003359	0.82168701	0.99999994
AU020206	0.00829315	0.00713113	0.00746713	-0.000336	0.61772705	0.99999994
Gm14264	0.00229392	0.00173767	0.00207386	-0.0003362	0.8597163	0.99999994
Gm15326	0.00087194	0.00045264	0.00078906	-0.0003364	0.99772994	0.99999994
Klhl14	0.00124197	0.0007871	0.00112363	-0.0003365	0.97690317	0.99999994
Fosl1	0.00144852	0.00097375	0.00131032	-0.0003366	0.95634127	0.99999994
Ddx11	0.0073388	0.00627486	0.00661211	-0.0003372	0.63288583	0.99999994
Ccr2	0.00073248	0.00032524	0.00066291	-0.0003377	0.99965126	0.99999994
Cbr3	0.00362266	0.00293448	0.00327218	-0.0003377	0.75394707	0.99999994
Gm3604	0.00825574	0.00709589	0.00743363	-0.0003377	0.61883781	0.99999994
Zgrf1	0.00385735	0.00314568	0.0034836	-0.0003379	0.7407588	0.99999994
Gp2	0.00056384	0.00017233	0.00051035	-0.000338	0.9999948	0.99999994
Al429214	0.02745841	0.02406869	0.024407	-0.0003383	0.53675623	0.99999994
2810032G03	0.00219522	0.00164642	0.00198476	-0.0003383	0.87175406	0.99999994
Casd1	0.10642482	0.08942416	0.08976324	-0.0003391	0.51003013	0.99999994
Gm20109	0.00284269	0.00222992	0.00256903	-0.0003391	0.81019747	0.99999994
Gm20442	0.00334775	0.00268527	0.00302443	-0.0003392	0.7723	0.99999994
Aqp8	0.00325096	0.00259712	0.00293718	-0.0003401	0.77954051	0.99999994
Gm12204	0.00120361	0.0007484	0.00108895	-0.0003406	0.9813135	0.99999994
9130008F23I	0.00521682	0.00436609	0.004707	-0.0003409	0.68513449	0.99999994
Chil1	0.00682887	0.00581386	0.00615479	-0.0003409	0.64383054	0.99999994
Ank1	0.00078061	0.00036531	0.00070645	-0.0003411	0.99934616	0.99999994
Actrt3	0.00739173	0.00631803	0.00665956	-0.0003415	0.63358551	0.99999994
Gtf2ird2	0.02298139	0.02014719	0.02048877	-0.0003416	0.54418129	0.99999994
Adamts18	0.00076785	0.00035278	0.00069491	-0.0003421	0.9994757	0.99999994

Ly6k	0.00223644	0.0016791	0.00202197	-0.0003429	0.87049489	0.99999994
Ugt2b36	0.00144629	0.00096449	0.0013083	-0.0003438	0.959872	0.99999994
Gm19426	0.01212394	0.01054378	0.01088814	-0.0003444	0.58336992	0.99999994
Il18	0.00526325	0.00440405	0.00474875	-0.0003447	0.68551178	0.99999994
Dclk1	0.00145419	0.00097046	0.00131544	-0.000345	0.95956191	0.99999994
Ankrd45	0.00715375	0.00610095	0.00644618	-0.0003452	0.63926317	0.99999994
Rhoj	0.00189954	0.00137222	0.00171777	-0.0003455	0.90971504	0.99999994
Aldh1a2	0.00484455	0.0040266	0.00437222	-0.0003456	0.70061741	0.99999994
Ptgs1	0.00281892	0.00220181	0.00254758	-0.0003458	0.81685622	0.99999994
Tceal5	0.00544311	0.00456448	0.00491043	-0.0003459	0.68044568	0.99999994
Dtwd2	0.0193201	0.01692042	0.01726694	-0.0003465	0.55313482	0.99999994
Gm379	0.00056777	0.00016729	0.00051391	-0.0003466	0.99999643	0.99999994
Oasl1	0.00323741	0.00257824	0.00292496	-0.0003467	0.78494936	0.99999994
Mbd1	0.07936709	0.0678364	0.06818319	-0.0003468	0.51350401	0.99999994
Mxd3	0.00253658	0.00194573	0.00229286	-0.0003471	0.84320975	0.99999994
Gm43714	0.00106538	0.00061676	0.00096398	-0.0003472	0.99174796	0.99999994
Angptl4	0.00481894	0.00400192	0.00434918	-0.0003473	0.70245527	0.99999994
Phrf1	0.13064537	0.10774044	0.10808773	-0.0003473	0.50853165	0.99999994
Mkln1	0.39437135	0.26682871	0.26717617	-0.0003475	0.5034534	0.99999994
Mfhas1	0.04987176	0.04332807	0.04367575	-0.0003477	0.52112921	0.99999994
Eri2	0.02354005	0.02063082	0.02097898	-0.0003482	0.54398071	0.99999994
Synm	0.00178525	0.00126637	0.00161455	-0.0003482	0.92442165	0.99999994
Mynn	0.11009631	0.09223962	0.09258785	-0.0003482	0.50998637	0.99999994
Btbd19	0.00865866	0.00744586	0.00779431	-0.0003484	0.61698499	0.99999994
Loxl3	0.00700703	0.00596587	0.00631461	-0.0003487	0.64341931	0.99999994
Eapp	0.38410426	0.26182204	0.26217151	-0.0003495	0.50353965	0.99999994
Lipk	0.00058287	0.00017767	0.00052756	-0.0003499	0.99999494	0.99999994
Rab27b	0.00650306	0.00551228	0.00586244	-0.0003502	0.65452828	0.99999994
Amy2a5	0.00250498	0.00191402	0.00226435	-0.0003503	0.84845527	0.99999994
Fap	0.00183161	0.00130585	0.00165642	-0.0003506	0.92054664	0.99999994

Jchain	0.00180353	0.00128016	0.00163105	-0.0003509	0.92393173	0.99999994
Pdgfb	0.00064894	0.00023619	0.00058734	-0.0003512	0.99996549	0.99999994
Hbq1b	0.00065097	0.00023788	0.00058918	-0.0003513	0.9999639	0.99999994
Ap5z1	0.03649725	0.03189506	0.03224669	-0.0003516	0.52893079	0.99999994
Tmem40	0.00095422	0.00051172	0.00086347	-0.0003517	0.99665175	0.99999994
Tmem169	0.00446716	0.00368056	0.00403266	-0.0003521	0.71943926	0.99999994
Phldb3	0.02516429	0.02204986	0.02240215	-0.0003523	0.54168323	0.99999994
Gm31373	0.00129911	0.00082284	0.00117528	-0.0003524	0.97703738	0.99999994
Gm15829	0.00234982	0.00177171	0.00212432	-0.0003526	0.86538922	0.99999994
A830009L08I	0.00116634	0.00070251	0.00105526	-0.0003527	0.98696152	0.99999994
Gm15688	0.00103658	0.00058515	0.00093794	-0.0003528	0.99385414	0.99999994
Adh7	0.00058701	0.00017782	0.00053131	-0.0003535	0.99999526	0.99999994
Fscn2	0.00189067	0.00135571	0.00170976	-0.0003541	0.91595542	0.99999994
4933424G06	0.00070641	0.00028495	0.00063933	-0.0003544	0.99988771	0.99999994
Cdk5	0.2475905	0.18671381	0.18706844	-0.0003546	0.50503396	0.99999994
Ska2	0.09767786	0.08257863	0.08293343	-0.0003548	0.51135913	0.99999994
Stfa3	0.00153033	0.00102918	0.00138424	-0.0003551	0.9561238	0.99999994
Sardh	0.00375158	0.00303286	0.00338832	-0.0003555	0.75750739	0.99999994
Rpl13-ps3	0.27995306	0.206048	0.20640378	-0.0003558	0.50457726	0.99999994
Abcc10	0.00897418	0.00772076	0.00807661	-0.0003559	0.61534415	0.99999994
Gm10110	0.01006484	0.00869511	0.00905151	-0.0003564	0.60337559	0.99999994
Gm27045	0.0009092	0.00046614	0.00082275	-0.0003566	0.99804341	0.99999994
Gpha2	0.00275723	0.00213509	0.00249194	-0.0003568	0.82975194	0.99999994
Hs6st3	0.00308863	0.00243396	0.00279082	-0.0003569	0.80266095	0.99999994
Pcsk5	0.00311663	0.00245871	0.00281607	-0.0003574	0.80086001	0.99999994
B430203G13	0.00416415	0.00340251	0.00375989	-0.0003574	0.73653439	0.99999994
Bmp3	0.00227783	0.00170187	0.00205933	-0.0003575	0.8760435	0.99999994
Traf3ip1	0.0581696	0.05030839	0.05066601	-0.0003576	0.518737	0.99999994
Cldn15	0.00283098	0.00220083	0.00255846	-0.0003576	0.82392977	0.99999994
9430038I01R	0.07950349	0.06793624	0.06829436	-0.0003581	0.51392191	0.99999994

A330094K24	0.00065103	0.00023054	0.00058923	-0.0003587	0.99997461	0.99999994
Pm20d1	0.00213269	0.00156953	0.00192831	-0.0003588	0.89222921	0.99999994
C4bp	0.00403693	0.00328654	0.00364534	-0.0003588	0.74382127	0.99999994
Apoa1	0.00210974	0.00154863	0.00190759	-0.000359	0.89481399	0.99999994
Gm38004	0.00082137	0.00038435	0.00074331	-0.000359	0.99934669	0.99999994
C920006O11	0.00616745	0.00520176	0.00556116	-0.0003594	0.66646377	0.99999994
A230009B12	0.00062367	0.00020375	0.00056448	-0.0003607	0.99998949	0.99999994
Polr3b	0.03951308	0.03448075	0.03484152	-0.0003608	0.52747539	0.99999994
Gstt3	0.00805927	0.00689687	0.00725769	-0.0003608	0.62964911	0.99999994
Mkx	0.00246882	0.0018708	0.00223172	-0.0003609	0.85914572	0.99999994
Glt8d2	0.00064797	0.00022536	0.00058646	-0.0003611	0.99997921	0.99999994
Taf1c	0.02735277	0.02395359	0.02431482	-0.0003612	0.53938667	0.99999994
Gm44036	0.00113834	0.0006681	0.00102995	-0.0003618	0.99031994	0.99999994
Shisa9	0.00111202	0.00064422	0.00100615	-0.0003619	0.99167671	0.99999994
Hsd11b2	0.00168106	0.00115842	0.00152043	-0.000362	0.94350175	0.99999994
Vtcn1	0.00257119	0.00196201	0.00232409	-0.0003621	0.85013317	0.99999994
Ptgis	0.01028554	0.00888643	0.00924861	-0.0003622	0.60282399	0.99999994
Xkr4	0.00069878	0.00027018	0.00063243	-0.0003622	0.99993127	0.99999994
Pla2g7	0.00175901	0.00122804	0.00159084	-0.0003628	0.93549342	0.99999994
Hbq1a	0.00070397	0.00027413	0.00063713	-0.000363	0.99992541	0.99999994
Mr1	0.00497208	0.0041239	0.00448693	-0.000363	0.70490232	0.99999994
Nrbp2	0.01355007	0.0117941	0.01215721	-0.0003631	0.57879422	0.99999994
Slnf2	0.00361316	0.00290007	0.00326361	-0.0003635	0.77079748	0.99999994
Parvb	0.00301214	0.00235814	0.00272185	-0.0003637	0.81311933	0.99999994
Gm37634	0.00146173	0.00095838	0.00132225	-0.0003639	0.96650573	0.99999994
Gm26912	0.0030286	0.00237258	0.00273669	-0.0003641	0.81208735	0.99999994
Ptprcap	0.00364799	0.00293071	0.003295	-0.0003643	0.76910853	0.99999994
Gm32950	0.00068898	0.00025907	0.00062357	-0.0003645	0.99995005	0.99999994
Rwdd2a	0.05668244	0.04905414	0.04941879	-0.0003647	0.51958664	0.99999994
Hand2	0.00298305	0.00233065	0.00269561	-0.000365	0.81626077	0.99999994

Gm27200	0.00086053	0.00041363	0.00077873	-0.0003651	0.99909814	0.99999994
1810041H14	0.01171354	0.01015727	0.01052249	-0.0003652	0.59135382	0.99999994
A930016O22	0.00093813	0.00048311	0.00084891	-0.0003658	0.99793643	0.99999994
Il23a	0.00584982	0.00490985	0.00527589	-0.000366	0.67789328	0.99999994
Gm10300	0.00089346	0.00044236	0.00080852	-0.0003662	0.99871288	0.99999994
Zmiz1os1	0.00548171	0.00457863	0.00494512	-0.0003665	0.68910426	0.99999994
Mob3a	0.05891166	0.05092017	0.05128744	-0.0003673	0.51900922	0.99999994
lqcf4	0.00064579	0.00021713	0.00058449	-0.0003674	0.99998565	0.99999994
Wdr19	0.01682593	0.01469523	0.01506306	-0.0003678	0.56456219	0.99999994
Acox1	0.00111153	0.00063777	0.0010057	-0.0003679	0.99255826	0.99999994
Upk1b	0.00386543	0.00312258	0.00349088	-0.0003683	0.75874321	0.99999994
Sfxn2	0.25209295	0.18945151	0.18981992	-0.0003684	0.50515378	0.99999994
4632411P08I	0.01833367	0.0160275	0.01639621	-0.0003687	0.55949326	0.99999994
Ccdc171	0.00296934	0.00231454	0.00268325	-0.0003687	0.81981526	0.99999994
Fchsd1	0.01246652	0.0108243	0.01119322	-0.0003689	0.58682456	0.99999994
Wfdc3	0.00460903	0.0037913	0.00416033	-0.000369	0.72254881	0.99999994
Nfkb2	0.02553387	0.02235622	0.02272554	-0.0003693	0.54307176	0.99999994
Bora	0.00934847	0.00804173	0.00841133	-0.0003696	0.61504259	0.99999994
S100a14	0.00243814	0.00183387	0.00220403	-0.0003702	0.86819441	0.99999994
Dock4	0.00883549	0.00758235	0.00795253	-0.0003702	0.62166068	0.99999994
Qtrt1	0.23159563	0.17676076	0.17713096	-0.0003702	0.50554968	0.99999994
Akap12	0.00623252	0.00524934	0.00561957	-0.0003702	0.66950109	0.99999994
Slc39a4	0.00601248	0.00505172	0.00542199	-0.0003703	0.67528858	0.99999994
Lgi1	0.00200877	0.00144611	0.00181641	-0.0003703	0.91260893	0.99999994
Shc4	0.00225111	0.00166467	0.00203521	-0.0003705	0.88722338	0.99999994
C130060C02I	0.00288658	0.00223805	0.00260861	-0.0003706	0.82781175	0.99999994
Pxmp2	0.00958833	0.00825516	0.00862575	-0.0003706	0.61255299	0.99999994
Gm16196	0.0020417	0.00147493	0.00184615	-0.0003712	0.90962564	0.99999994
Ccdc142	0.00098174	0.00051688	0.00088835	-0.0003715	0.99731069	0.99999994
1700058P15I	0.00275205	0.00211577	0.00248726	-0.0003715	0.83992962	0.99999994

Stra8	0.00067988	0.00024327	0.00061533	-0.0003721	0.99997149	0.99999994
Synpo2	0.0007274	0.00028562	0.00065832	-0.0003727	0.99991787	0.99999994
Xrcc2	0.0051518	0.00427583	0.00464855	-0.0003727	0.70322743	0.99999994
Slc16a8	0.00318968	0.00250917	0.00288193	-0.0003728	0.80536847	0.99999994
Acad10	0.00902659	0.00775069	0.00812349	-0.0003728	0.61999549	0.99999994
Dock5	0.00215243	0.00157237	0.00194613	-0.0003738	0.89944144	0.99999994
4930593A02	0.00066489	0.00022785	0.00060177	-0.0003739	0.99998233	0.99999994
Zkscan5	0.01626429	0.01419154	0.01456577	-0.0003742	0.56789538	0.99999994
Gnrh1	0.00067303	0.00023472	0.00060913	-0.0003744	0.99997856	0.99999994
Ttc21a	0.00267033	0.00203843	0.00241354	-0.0003751	0.84955196	0.99999994
Gm14412	0.00148706	0.00096981	0.00134514	-0.0003753	0.96836665	0.99999994
Car5b	0.00114508	0.00066059	0.00103604	-0.0003754	0.99207108	0.99999994
Kcnj4	0.00141909	0.00090763	0.00128372	-0.0003761	0.97441814	0.99999994
Trmt10a	0.0857309	0.07297275	0.07334893	-0.0003762	0.51361656	0.99999994
Nes	0.00206971	0.00149437	0.00187144	-0.0003771	0.91006961	0.99999994
Stmn3	0.02593134	0.02269551	0.02307316	-0.0003777	0.54337816	0.99999994
Ice1	0.06141506	0.05300169	0.05337944	-0.0003778	0.51878544	0.99999994
4930553P18I	0.0008702	0.00040849	0.00078749	-0.000379	0.9993212	0.99999994
Samd12	0.00121354	0.00071858	0.00109793	-0.0003793	0.98927167	0.99999994
Star	0.00285832	0.00220378	0.00258313	-0.0003793	0.83584645	0.99999994
9430041J12F	0.00306087	0.00238563	0.00276579	-0.0003802	0.81988641	0.99999994
Phf19	0.00156751	0.00103735	0.00141784	-0.0003805	0.96297085	0.99999994
Ncoa4	0.00520871	0.00431921	0.00469971	-0.0003805	0.7050297	0.99999994
1110046J04F	0.02194379	0.0191965	0.01957732	-0.0003808	0.55151191	0.99999994
Plin5	0.01118333	0.00966896	0.01004979	-0.0003808	0.59957077	0.99999994
Ephx1	0.01147763	0.00993102	0.01031221	-0.0003812	0.59717908	0.99999994
Pias2	0.20790716	0.16155064	0.16193195	-0.0003813	0.50625282	0.99999994
Radil	0.0045368	0.00371357	0.00409533	-0.0003818	0.7325356	0.99999994
Mybl2	0.00375659	0.00301102	0.00339283	-0.0003818	0.77309281	0.99999994
P4ha3	0.00699753	0.00592367	0.00630608	-0.0003824	0.65676723	0.99999994

Wdr4	0.05547847	0.04802482	0.04840729	-0.0003825	0.5209719	0.99999994
Mtr	0.00342836	0.00271371	0.00309708	-0.0003834	0.79501762	0.99999994
Zfp384	0.00792542	0.00675425	0.0071378	-0.0003835	0.6397084	0.99999994
Hlf	0.00139811	0.00088058	0.00126475	-0.0003842	0.97840652	0.99999994
Rab4b	0.01522227	0.01325767	0.01364213	-0.0003845	0.57440187	0.99999994
Wdr37	0.06999621	0.06011421	0.06049877	-0.0003846	0.51687458	0.99999994
Rep15	0.00556953	0.00463911	0.00502405	-0.0003849	0.69497551	0.99999994
Abca4	0.00106421	0.0005779	0.00096292	-0.000385	0.99611013	0.99999994
Sp6	0.00085112	0.00038482	0.00077022	-0.0003854	0.99956685	0.99999994
Aff3	0.0023586	0.00174607	0.00213224	-0.0003862	0.88600151	0.99999994
Cfap73	0.00177862	0.00122228	0.00160855	-0.0003863	0.94502688	0.99999994
Cntnap3	0.00348668	0.00276328	0.00314964	-0.0003864	0.79290112	0.99999994
Cldn34c1	0.00676147	0.00570777	0.00609433	-0.0003866	0.66356175	0.99999994
Best3	0.00147797	0.0009503	0.00133692	-0.0003866	0.97288155	0.99999994
Ddo	0.00639938	0.00538224	0.00576937	-0.0003871	0.67243817	0.99999994
Ripk3	0.00720057	0.00610028	0.00648817	-0.0003879	0.65466609	0.99999994
Nutf2	0.1488893	0.1210312	0.12141933	-0.0003881	0.50848789	0.99999994
Zfp449	0.02614293	0.02286941	0.02325814	-0.0003887	0.54429165	0.99999994
Noxred1	0.0023339	0.00172075	0.00210995	-0.0003892	0.89024055	0.99999994
Aqp3	0.00179474	0.00123379	0.00162311	-0.0003893	0.94482263	0.99999994
Gm14327	0.0044501	0.0036275	0.0040173	-0.0003898	0.74081925	0.99999994
Elfn2	0.00350741	0.00277833	0.00316832	-0.00039	0.79370499	0.99999994
Ifi2712a	0.00422767	0.00342707	0.00381708	-0.00039	0.75178063	0.99999994
Dgat2	0.01218143	0.01054918	0.01093935	-0.0003902	0.59383183	0.99999994
Irf2	0.29877759	0.21680263	0.21719313	-0.0003905	0.50477426	0.99999994
Apol7d	0.00295502	0.00227962	0.00267034	-0.0003907	0.8349559	0.99999994
Crygc	0.00084898	0.00037733	0.00076829	-0.000391	0.9996469	0.99999994
Rp2	0.10903164	0.0913795	0.09177049	-0.000391	0.51131241	0.99999994
Fxyd5	0.00735986	0.00623979	0.00663099	-0.0003912	0.6527271	0.99999994
Col7a1	0.00266931	0.00202113	0.00241262	-0.0003915	0.85995156	0.99999994

Ankef1	0.00285926	0.00219237	0.00258397	-0.0003916	0.84345983	0.99999994
Slc16a5	0.01082565	0.00933882	0.00973071	-0.0003919	0.60567997	0.99999994
Dpep1	0.00112764	0.00062767	0.00102027	-0.0003926	0.99478633	0.99999994
Cd53	0.00276306	0.00210411	0.0024972	-0.0003931	0.85262992	0.99999994
Htra1	0.004913	0.00404063	0.00443379	-0.0003932	0.7224855	0.99999994
Ifi27	0.0852319	0.0725518	0.0729454	-0.0003936	0.51432571	0.99999994
Slc38a3	0.00898912	0.00769595	0.00808997	-0.000394	0.62710675	0.99999994
Zfp808	0.00371681	0.00296284	0.003357	-0.0003942	0.78276536	0.99999994
Gm16191	0.00388549	0.00311414	0.00350895	-0.0003948	0.77305262	0.99999994
Caprin2	0.02182906	0.01908158	0.01947646	-0.0003949	0.55367565	0.99999994
Evi2a	0.00096121	0.0004748	0.00086979	-0.000395	0.99874756	0.99999994
Ogn	0.00126183	0.00074628	0.00114158	-0.0003953	0.989414	0.99999994
Arhgap18	0.0503698	0.04370215	0.04409747	-0.0003953	0.52379108	0.99999994
D930030I03F	0.00658341	0.00553908	0.00593455	-0.0003955	0.67132431	0.99999994
Timm23	0.01385235	0.01203013	0.01242588	-0.0003958	0.5839465	0.99999994
Fam110c	0.00721519	0.00610535	0.00650128	-0.0003959	0.65739895	0.99999994
Slfn9	0.0022558	0.0016429	0.00203945	-0.0003965	0.90221106	0.99999994
Pcdhgb5	0.00358434	0.00284051	0.00323765	-0.0003971	0.79289008	0.99999994
Gm43848	0.00561043	0.00466351	0.00506081	-0.0003973	0.69935661	0.99999994
Cacnb4	0.00219797	0.0015899	0.00198724	-0.0003973	0.90839227	0.99999994
Hotairm1	0.00089873	0.00041555	0.00081328	-0.0003977	0.99943362	0.99999994
Msantd1	0.00174342	0.00117877	0.00157676	-0.000398	0.95353353	0.99999994
Ammecr1l	0.16365468	0.13152466	0.13192265	-0.000398	0.50801075	0.99999994
Ttc30b	0.08496062	0.07232677	0.07272592	-0.0003991	0.51457116	0.99999994
Cdc25c	0.00172978	0.00116394	0.00156444	-0.0004005	0.95581311	0.99999994
Pcdhgb4	0.0051128	0.00421296	0.00461348	-0.0004005	0.71832794	0.99999994
Nek3	0.03964503	0.03455425	0.03495482	-0.0004006	0.53040193	0.99999994
Gm43713	0.00150519	0.00096007	0.00136152	-0.0004015	0.97515751	0.99999994
Lrrc4	0.00109035	0.00058507	0.00098656	-0.0004015	0.99662445	0.99999994
Rasef	0.00204806	0.00145013	0.00185189	-0.0004018	0.92564179	0.99999994

Cd48	0.00114951	0.0006379	0.00104004	-0.0004021	0.99497013	0.99999994
Gls2	0.00515851	0.00425226	0.00465458	-0.0004023	0.7174683	0.99999994
Grik4	0.00140836	0.00087154	0.00127402	-0.0004025	0.9822589	0.99999994
Palm	0.0819079	0.06984804	0.07025074	-0.0004027	0.51521871	0.99999994
Emilin2	0.00126848	0.00074456	0.00114759	-0.000403	0.9902986	0.99999994
Pvt1	0.00195009	0.00136009	0.00176343	-0.0004033	0.93605464	0.99999994
Arhgap28	0.01335465	0.01157962	0.01198345	-0.0004038	0.58874377	0.99999994
Adamtsl4	0.00119705	0.00067846	0.00108302	-0.0004046	0.99354967	0.99999994
Mylk	0.00340395	0.00267047	0.00307508	-0.0004046	0.80943972	0.99999994
Ints4	0.08479056	0.07218329	0.07258828	-0.000405	0.51481247	0.99999994
Degs2	0.00208798	0.00148211	0.00188794	-0.0004058	0.92376233	0.99999994
Chst7	0.00225872	0.00163602	0.00204208	-0.0004061	0.90718358	0.99999994
Trib2	0.00486942	0.00398836	0.00439459	-0.0004062	0.73082314	0.99999994
2310001H17	0.00822411	0.00699895	0.00740531	-0.0004064	0.64254075	0.99999994
Tdh	0.00260437	0.00194752	0.00235403	-0.0004065	0.87481522	0.99999994
1810063I02R	0.00151703	0.00096543	0.00137222	-0.0004068	0.97576664	0.99999994
Bank1	0.00146734	0.0009203	0.00132732	-0.000407	0.97938208	0.99999994
Trim2	0.00766799	0.00650008	0.00690716	-0.0004071	0.65258028	0.99999994
Fut4	0.00997026	0.00855979	0.00896702	-0.0004072	0.61878609	0.99999994
Arg2	0.0030686	0.00236513	0.00277276	-0.0004076	0.83610322	0.99999994
Rasa1	0.18364669	0.14533944	0.14574734	-0.0004079	0.50743146	0.99999994
Gstm2	0.03687582	0.0321645	0.03257298	-0.0004085	0.53326285	0.99999994
Cys1	0.02424619	0.02118921	0.02159809	-0.0004089	0.55013947	0.99999994
Zscan12	0.03093567	0.02702511	0.02743412	-0.000409	0.53952572	0.99999994
4921536K21I	0.00449992	0.00365301	0.00406214	-0.0004091	0.74870566	0.99999994
Sgip1	0.00107287	0.00056083	0.00097075	-0.0004099	0.99752919	0.99999994
Gm20390	0.00257661	0.00191823	0.00232898	-0.0004108	0.87979449	0.99999994
Fbp2	0.00151086	0.00095583	0.00136665	-0.0004108	0.97729877	0.99999994
Slc26a9	0.00315213	0.00243717	0.00284808	-0.0004109	0.83156258	0.99999994
Frmf6	0.00789264	0.00669752	0.00710844	-0.0004109	0.64980023	0.99999994

Gm15261	0.00169574	0.00112268	0.00153368	-0.000411	0.96277192	0.99999994
Vav3	0.00426868	0.0034428	0.003854	-0.0004112	0.76121221	0.99999994
Tdrd5	0.00514216	0.00422851	0.00463988	-0.0004114	0.72245674	0.99999994
AK157302	0.00438943	0.00355129	0.0039627	-0.0004114	0.7552363	0.99999994
Emp1	0.00139486	0.00085008	0.00126181	-0.0004117	0.9850713	0.99999994
Mtpap	0.11746509	0.09779413	0.09820601	-0.0004119	0.51113589	0.99999994
Ggt1	0.02197987	0.01919706	0.01960904	-0.000412	0.55560931	0.99999994
Gm15938	0.00112949	0.00060962	0.00102194	-0.0004123	0.99638077	0.99999994
lsm2	0.00202932	0.00142255	0.00183497	-0.0004124	0.93268006	0.99999994
Slc2a9	0.00181354	0.00122649	0.0016401	-0.0004136	0.95338881	0.99999994
Zfp69	0.00455362	0.00369652	0.00411047	-0.000414	0.74867931	0.99999994
Sorbs1	0.00685996	0.00576822	0.00618268	-0.0004145	0.67227704	0.99999994
Rasgef1b	0.007285	0.00614888	0.00656387	-0.000415	0.66306195	0.99999994
ltgae	0.00270155	0.00202609	0.0024417	-0.0004156	0.87139636	0.99999994
Gm5087	0.00698626	0.00588026	0.00629597	-0.0004157	0.66985388	0.99999994
Tgfb3	0.00338366	0.00264093	0.00305679	-0.0004159	0.81741515	0.99999994
Tnni1	0.00394291	0.00314464	0.00356067	-0.000416	0.78163706	0.99999994
Cdnf	0.00308518	0.00237128	0.00278771	-0.0004164	0.8399714	0.99999994
Osbp2	0.0014543	0.00089833	0.00131554	-0.0004172	0.98261306	0.99999994
Lyl1	0.00205619	0.00144137	0.00185923	-0.0004179	0.9326776	0.99999994
Fgf11	0.00834918	0.00709901	0.00751729	-0.0004183	0.64445013	0.99999994
Appbp2os	0.00498859	0.0040822	0.00450178	-0.0004196	0.73250198	0.99999994
Srpx2	0.00155064	0.00098254	0.00140259	-0.00042	0.97689334	0.99999994
Dpys	0.00398681	0.00317998	0.0036002	-0.0004202	0.78140487	0.99999994
Zfp41	0.01352553	0.0117147	0.01213539	-0.0004207	0.59124565	0.99999994
Coa4	0.14315928	0.11685393	0.11727477	-0.0004208	0.50952846	0.99999994
Tdrd6	0.00072605	0.00023604	0.0006571	-0.0004211	0.99999002	0.99999994
Edn2	0.00356697	0.00280068	0.00322199	-0.0004213	0.80795562	0.99999994
Inpp5k	0.0709203	0.06083854	0.06126071	-0.0004222	0.51829349	0.99999994
Csf1r	0.00091171	0.00040262	0.00082502	-0.0004224	0.99967276	0.99999994

Gm9903	0.00665525	0.00557625	0.00599902	-0.0004228	0.68049802	0.99999994
2200002J24F	0.00513438	0.00420993	0.00463288	-0.000423	0.72830129	0.99999994
Trim24	0.10820155	0.09070878	0.09113224	-0.0004235	0.51233736	0.99999994
Mapkapk3	0.00253486	0.00186777	0.00229131	-0.0004235	0.89072649	0.99999994
Serac1	0.00384835	0.00305181	0.0034755	-0.0004237	0.79144922	0.99999994
Gm26612	0.00130657	0.00075752	0.00118202	-0.0004245	0.99158778	0.99999994
Cdkn2aipnl	0.13833038	0.11332689	0.11375167	-0.0004248	0.50991533	0.99999994
Lipo2	0.01040503	0.00893033	0.0093553	-0.000425	0.6188147	0.99999994
Prox2	0.00516111	0.0042317	0.00465692	-0.0004252	0.7283376	0.99999994
Psd4	0.00397935	0.00316824	0.00359348	-0.0004252	0.78456256	0.99999994
Doc2g	0.00588237	0.00487972	0.00530513	-0.0004254	0.7032446	0.99999994
Irak3	0.00336339	0.00261277	0.00303852	-0.0004258	0.82450883	0.99999994
Lrriq1	0.00540489	0.00445028	0.00487608	-0.0004258	0.71946783	0.99999994
Acot4	0.00191639	0.00130677	0.00173299	-0.0004262	0.94919735	0.99999994
Mtus2	0.02493365	0.02177378	0.02220025	-0.0004265	0.55087361	0.99999994
Aifm2	0.05987326	0.05166533	0.05209183	-0.0004265	0.52173122	0.99999994
Ugt2b35	0.00494588	0.00403496	0.00446336	-0.0004284	0.73855499	0.99999994
Zfp459	0.00341539	0.00265691	0.00308539	-0.0004285	0.82236258	0.99999994
Nyap2	0.00126959	0.0007194	0.0011486	-0.0004292	0.9935641	0.99999994
Eps8	0.18685858	0.14749754	0.14792686	-0.0004293	0.50770644	0.99999994
Lipo4	0.01170832	0.01008843	0.01051784	-0.0004294	0.60709638	0.99999994
Gm7598	0.00240807	0.00174747	0.00217688	-0.0004294	0.90541742	0.99999994
Cfap70	0.00307964	0.00235324	0.00278272	-0.0004295	0.84786691	0.99999994
Plekha2	0.00123382	0.00068633	0.00111626	-0.0004299	0.99482197	0.99999994
C230035I16R	0.00849193	0.00721504	0.00764509	-0.00043	0.64595668	0.99999994
Hdac9	0.00247037	0.00180304	0.00223311	-0.0004301	0.90006641	0.99999994
Gm14133	0.00147387	0.00090255	0.00133322	-0.0004307	0.9842301	0.99999994
Smarcd3	0.00850073	0.00722187	0.00765296	-0.0004311	0.64615075	0.99999994
Ephx4	0.02239257	0.01954041	0.01997169	-0.0004313	0.55714869	0.99999994
Gli2	0.00167214	0.00108101	0.00151236	-0.0004314	0.97118559	0.99999994

Lhfp	0.00339338	0.00263375	0.00306555	-0.0004318	0.82577344	0.99999994
Rsph4a	0.0021054	0.00147162	0.00190366	-0.000432	0.9345663	0.99999994
Cpa6	0.00230557	0.00165192	0.00208438	-0.0004325	0.91636594	0.99999994
Adamts7	0.00314502	0.00240857	0.00284167	-0.0004331	0.84482332	0.99999994
Gstm3	0.00606116	0.00503242	0.0054657	-0.0004333	0.7011381	0.99999994
Rasgrf2	0.00391087	0.00309817	0.00353181	-0.0004336	0.79311296	0.99999994
Gm17231	0.00072683	0.00022378	0.0006578	-0.000434	0.99999438	0.99999994
Dzip1	0.00490125	0.00398758	0.00442322	-0.0004356	0.74395684	0.99999994
Abca8b	0.00527079	0.00431978	0.00475553	-0.0004358	0.72904393	0.99999994
Man2a1	0.06920812	0.05941102	0.05984824	-0.0004372	0.51939185	0.99999994
Wnt5a	0.00234551	0.00168311	0.00212042	-0.0004373	0.91509223	0.99999994
Fhod1	0.00114612	0.00059962	0.00103698	-0.0004374	0.99750287	0.99999994
Henmt1	0.0026928	0.00199626	0.00243381	-0.0004376	0.88428529	0.99999994
Gm12962	0.00075028	0.0002412	0.00067902	-0.0004378	0.99999114	0.99999994
Trip10	0.02805928	0.02449302	0.02493109	-0.0004381	0.5465546	0.99999994
Ajuba	0.0048522	0.00394078	0.0043791	-0.0004383	0.74737481	0.99999994
Neur13	0.00118714	0.00063567	0.00107406	-0.0004384	0.99670486	0.99999994
4930403P22I	0.00348766	0.00271183	0.00315052	-0.0004387	0.82300063	0.99999994
Pfn3	0.00086951	0.00034805	0.00078686	-0.0004388	0.99989723	0.99999994
Acot6	0.00163524	0.00104014	0.00147903	-0.0004389	0.97587911	0.99999994
Mcm9	0.0076826	0.00648043	0.00692025	-0.0004398	0.66387082	0.99999994
Gm5464	0.00169387	0.00109209	0.00153199	-0.0004399	0.97201853	0.99999994
Entpd5	0.06941766	0.05958092	0.06002127	-0.0004403	0.51947424	0.99999994
Zeb2	0.00884917	0.00752424	0.00796477	-0.0004405	0.64362576	0.99999994
Pygm	0.00404268	0.00320972	0.00365052	-0.0004408	0.78922731	0.99999994
Nell2	0.00260757	0.00191601	0.00235692	-0.0004409	0.89347113	0.99999994
Btc	0.00678525	0.00567472	0.00611566	-0.0004409	0.68436068	0.99999994
Pde3a	0.00125566	0.00069504	0.001136	-0.000441	0.99511366	0.99999994
Fmnl3	0.00604488	0.00500985	0.00545108	-0.0004412	0.70498383	0.99999994
Mdh1b	0.00165471	0.0010547	0.00149662	-0.0004419	0.97532026	0.99999994

Gm29107	0.00358896	0.0027984	0.00324181	-0.0004434	0.81870958	0.99999994
Plat	0.00761947	0.00642022	0.00686368	-0.0004435	0.66642669	0.99999994
Lingo4	0.00531325	0.0043502	0.0047937	-0.0004435	0.73099842	0.99999994
Proc	0.02002733	0.01744651	0.01789052	-0.000444	0.56560662	0.99999994
Stc1	0.00146631	0.00088211	0.00132639	-0.0004443	0.98711164	0.99999994
Gm28041	0.00101669	0.00047566	0.00091996	-0.0004443	0.99934716	0.99999994
Tnni3k	0.00113115	0.00057897	0.00102345	-0.0004445	0.99807889	0.99999994
Tgm3	0.00074653	0.00023096	0.00067562	-0.0004447	0.99999409	0.99999994
Polk	0.02370602	0.02067963	0.02112455	-0.0004449	0.55574733	0.99999994
Tat	0.00252435	0.00183684	0.00228182	-0.000445	0.90286908	0.99999994
Ankrd6	0.01060083	0.00908487	0.00953008	-0.0004452	0.62208326	0.99999994
Eng	0.00230299	0.00163677	0.00208205	-0.0004453	0.92271378	0.99999994
Grhl3	0.00176572	0.0011514	0.0015969	-0.0004455	0.9683442	0.99999994
Thbd	0.00096242	0.00042504	0.00087088	-0.0004458	0.99967235	0.99999994
Timm8a1	0.00263272	0.00193371	0.00237961	-0.0004459	0.89385596	0.99999994
Fbxo43	0.00161742	0.00101687	0.00146293	-0.0004461	0.97880016	0.99999994
Zc2hc1a	0.07615879	0.06511666	0.06556277	-0.0004461	0.5180627	0.99999994
Scrt1	0.00076027	0.00024178	0.00068805	-0.0004463	0.99999211	0.99999994
Tuba1c	0.15666532	0.12653586	0.12698217	-0.0004463	0.50933247	0.99999994
Pcdhgc5	0.01184661	0.0101944	0.01064108	-0.0004467	0.61003442	0.99999994
Pex13	0.22484109	0.17240986	0.17285659	-0.0004467	0.50686249	0.99999994
Itpripl1	0.00461082	0.00371504	0.00416194	-0.0004469	0.7626156	0.99999994
Gm15860	0.0196211	0.01708534	0.01753241	-0.0004471	0.56739128	0.99999994
Exoc6	0.07116437	0.06101452	0.06146179	-0.0004473	0.51931729	0.99999994
2600014E21l	0.00252554	0.00183546	0.0022829	-0.0004474	0.90398798	0.99999994
Mmp15	0.02961292	0.02583629	0.02628426	-0.000448	0.54516138	0.99999994
Krt81	0.00174754	0.00113244	0.00158048	-0.000448	0.97041617	0.99999994
Cep41	0.06211288	0.05351321	0.05396136	-0.0004482	0.52204295	0.99999994
L3hypdh	0.03454544	0.03011343	0.0305618	-0.0004484	0.53889655	0.99999994
Myo16	0.00127712	0.0007068	0.0011554	-0.0004486	0.99512264	0.99999994

4930442H23	0.00083053	0.00030294	0.0007516	-0.0004487	0.99996458	0.99999994
D930048N14	0.00283058	0.00210881	0.0025581	-0.0004493	0.87881497	0.99999994
Tsx	0.00082371	0.00029564	0.00074543	-0.0004498	0.99997046	0.99999994
Mill2	0.00155624	0.00095755	0.00140765	-0.0004501	0.98334757	0.99999994
Spns2	0.00264438	0.00193991	0.00239013	-0.0004502	0.89504803	0.99999994
Smagp	0.00767617	0.0064642	0.00691449	-0.0004503	0.66766627	0.99999994
C1qtnf1	0.00133685	0.00075849	0.00120939	-0.0004509	0.99346245	0.99999994
Ltc4s	0.0032081	0.00244733	0.00289853	-0.0004512	0.84993851	0.99999994
Slc25a16	0.07241433	0.06203916	0.06249064	-0.0004515	0.51917782	0.99999994
Gm16751	0.00615348	0.00509709	0.00554861	-0.0004515	0.7059764	0.99999994
Rbp2	0.05438672	0.04703706	0.04748868	-0.0004516	0.52523722	0.99999994
Hp	0.00182916	0.00120249	0.00165421	-0.0004517	0.96544097	0.99999994
Dok3	0.00370726	0.00289653	0.00334839	-0.0004519	0.81547967	0.99999994
Trip12	0.31822769	0.22754744	0.22799994	-0.0004525	0.5052701	0.99999994
Dnase1l2	0.00120844	0.0006407	0.00109332	-0.0004526	0.99707106	0.99999994
Txnrd3	0.01700959	0.01477291	0.0152256	-0.0004527	0.57844015	0.99999994
Kbtbd11	0.00227377	0.00160262	0.00205567	-0.0004531	0.9288139	0.99999994
Gm12802	0.00613336	0.0050772	0.00553055	-0.0004533	0.70734074	0.99999994
Ribc1	0.02801263	0.02443694	0.02489042	-0.0004535	0.54826185	0.99999994
Atad2	0.01698062	0.01474608	0.01519997	-0.0004539	0.57877754	0.99999994
Gan	0.05498026	0.04753405	0.04798826	-0.0004542	0.52511747	0.99999994
A330008L17I	0.00077009	0.00024257	0.00069693	-0.0004544	0.99999286	0.99999994
Mtbp	0.01400782	0.01210959	0.01256402	-0.0004544	0.59512826	0.99999994
Gm29650	0.00360741	0.00280372	0.00325843	-0.0004547	0.82352518	0.99999994
BC039966	0.00210097	0.00144484	0.00189967	-0.0004548	0.94449783	0.99999994
Tmod4	0.00342819	0.00264209	0.00309693	-0.0004548	0.83586618	0.99999994
Khdc3	0.00121154	0.00064121	0.00109612	-0.0004549	0.99713208	0.99999994
Grin2b	0.00096166	0.00041523	0.0008702	-0.000455	0.99974943	0.99999994
Ckap2	0.00795552	0.00670897	0.00716477	-0.0004558	0.66401748	0.99999994
Vangl1	0.01055023	0.00902888	0.00948492	-0.000456	0.62553229	0.99999994

Gm27017	0.00276857	0.00204521	0.00250216	-0.0004569	0.88792976	0.99999994
Tbx6	0.00238587	0.0016997	0.00215685	-0.0004571	0.9208505	0.99999994
Dgkeos	0.00209232	0.00143441	0.00189186	-0.0004575	0.94624695	0.99999994
Abcb4	0.00102341	0.00046857	0.00092603	-0.0004575	0.9994959	0.99999994
Nhs	0.00288799	0.00215229	0.00260988	-0.0004576	0.87840817	0.99999994
Gm15834	0.00173398	0.00111035	0.00156823	-0.0004579	0.97401866	0.99999994
Rarres1	0.00627229	0.00519727	0.00565528	-0.000458	0.70508612	0.99999994
Gm11963	0.00104323	0.00048557	0.00094395	-0.0004584	0.99938598	0.99999994
Gm16062	0.00781367	0.00657885	0.00703769	-0.0004588	0.6678481	0.99999994
Csdc2	0.0142656	0.01233399	0.01279301	-0.000459	0.59438319	0.99999994
Aph1c	0.00604743	0.00499413	0.00545337	-0.0004592	0.7124494	0.99999994
Dctd	0.0070858	0.00592596	0.00638525	-0.0004593	0.68395794	0.99999994
Il17d	0.00450407	0.00360568	0.00406588	-0.0004602	0.77439802	0.99999994
Parp14	0.00085561	0.00031408	0.00077429	-0.0004602	0.99996193	0.99999994
4933417D19	0.00081626	0.00027827	0.0007387	-0.0004604	0.9999833	0.99999994
Katnal2	0.02398568	0.02090926	0.02136976	-0.0004605	0.55702735	0.99999994
Fbxo41	0.00242537	0.00173186	0.0021925	-0.0004606	0.91901705	0.99999994
Mylip	0.02545811	0.02219797	0.02265926	-0.0004613	0.55389565	0.99999994
Cdc42ep1	0.00715712	0.00598791	0.00644921	-0.0004613	0.68300392	0.99999994
Clcf1	0.00957971	0.00815673	0.00861805	-0.0004613	0.63919472	0.99999994
Usp13	0.00333679	0.00255299	0.00301454	-0.0004616	0.84593393	0.99999994
Cwf19l1	0.02732725	0.02383095	0.02429254	-0.0004616	0.55032387	0.99999994
Dclre1b	0.02137645	0.01861551	0.01907842	-0.0004629	0.56415356	0.99999994
Cebpb	0.00670069	0.00557683	0.00603979	-0.000463	0.6950514	0.99999994
Il18r1	0.00182791	0.00118985	0.00165307	-0.0004632	0.96892462	0.99999994
Zfp189	0.01998343	0.01738852	0.01785183	-0.0004633	0.56857677	0.99999994
Eaf2	0.00735653	0.00616411	0.006628	-0.0004639	0.679348	0.99999994
Plppr2	0.08805776	0.0747632	0.07522719	-0.000464	0.5163743	0.99999994
Kcnab1	0.00620641	0.00513132	0.00559613	-0.0004648	0.709826	0.99999994
Gm27042	0.00084005	0.00029515	0.00076021	-0.0004651	0.9999767	0.99999994

Gna15	0.00186713	0.0012232	0.0016885	-0.0004653	0.9666963	0.99999994
Ptar1	0.01023059	0.00873347	0.00919954	-0.0004661	0.63202794	0.99999994
Slc2a12	0.00636985	0.00527667	0.00574286	-0.0004662	0.70552073	0.99999994
Gm20628	0.00169185	0.00106349	0.00153017	-0.0004667	0.9788267	0.99999994
Gm16712	0.00194826	0.00129462	0.00176177	-0.0004671	0.96121717	0.99999994
Gp5	0.00090515	0.00035166	0.00081909	-0.0004674	0.99992723	0.99999994
4930539J05F	0.00936512	0.00795845	0.00842622	-0.0004678	0.64412847	0.99999994
Cd93	0.0038141	0.0029767	0.00344465	-0.0004679	0.81706767	0.99999994
Cpsf4	0.09492993	0.0802726	0.08074185	-0.0004692	0.51542909	0.99999994
Agbl2	0.00121112	0.00062589	0.00109574	-0.0004698	0.99784271	0.99999994
Cmklr1	0.00323961	0.00245641	0.00292694	-0.0004705	0.85770406	0.99999994
Gm20517	0.00422296	0.00334175	0.00381284	-0.0004711	0.79458196	0.99999994
Kif20a	0.0054755	0.00446826	0.00493954	-0.0004713	0.73731264	0.99999994
Gm26532	0.00701479	0.00585027	0.00632156	-0.0004713	0.69014167	0.99999994
Chek1	0.00941062	0.00799557	0.0084669	-0.0004713	0.64451155	0.99999994
Plaur	0.00340813	0.00260748	0.00307885	-0.0004714	0.84591774	0.99999994
C5ar1	0.0015033	0.0008884	0.00135982	-0.0004714	0.98948977	0.99999994
Was	0.00173388	0.00109576	0.00156814	-0.0004724	0.97752613	0.99999994
Neu3	0.00187728	0.00122527	0.00169766	-0.0004724	0.96800155	0.99999994
Gm13594	0.00338679	0.0025872	0.00305961	-0.0004724	0.84796842	0.99999994
Sync	0.00620486	0.00512202	0.00559474	-0.0004727	0.71308559	0.99999994
Dapk2	0.00223484	0.0015478	0.00202053	-0.0004727	0.94030502	0.99999994
A830005F24	0.00301636	0.00225285	0.00272566	-0.0004728	0.87587978	0.99999994
Sh3kbp1	0.10315404	0.08675944	0.08723267	-0.0004732	0.51440277	0.99999994
Plekhh3	0.03778938	0.03288558	0.03335972	-0.0004741	0.53768604	0.99999994
Rasa3	0.00363429	0.00280827	0.00328265	-0.0004744	0.83195385	0.99999994
Chrna4	0.0100018	0.00852066	0.0089952	-0.0004745	0.63726251	0.99999994
Ddb2	0.02377595	0.02071109	0.02118588	-0.0004748	0.5592915	0.99999994
1810014B01	0.02556059	0.022274	0.02274892	-0.0004749	0.55525913	0.99999994
Tmem116	0.02162293	0.01881914	0.01929521	-0.0004761	0.56522523	0.99999994

Rbak	0.03414557	0.02973932	0.03021606	-0.0004767	0.54182111	0.99999994
Sag	0.00468062	0.00374798	0.00422475	-0.0004768	0.77372611	0.99999994
Vash1	0.00389838	0.00304364	0.00352056	-0.0004769	0.81639863	0.99999994
Slc2a8	0.09201414	0.07793076	0.07840797	-0.0004772	0.51615754	0.99999994
Phf3	0.26838141	0.19912938	0.19960678	-0.0004774	0.50635097	0.99999994
Tmc8	0.00643157	0.0053204	0.00579828	-0.0004779	0.70836024	0.99999994
Phka2	0.0156562	0.01354821	0.01402692	-0.0004787	0.58985456	0.99999994
Tnnt2	0.00154179	0.00091515	0.0013946	-0.0004794	0.98894181	0.99999994
Il7r	0.00245192	0.0017368	0.00221646	-0.0004797	0.92513484	0.99999994
Vezt	0.10534607	0.08845005	0.08893011	-0.0004801	0.51433178	0.99999994
Aff2	0.01568742	0.01357377	0.0140546	-0.0004808	0.59006951	0.99999994
Apobec1	0.00148559	0.00086222	0.00134381	-0.0004816	0.99147183	0.99999994
Otud7b	0.06707469	0.05760214	0.05808386	-0.0004817	0.52201247	0.99999994
Cacnb1	0.01331612	0.01146641	0.01194919	-0.0004828	0.60600913	0.99999994
Elac1	0.02169871	0.01887902	0.01936185	-0.0004828	0.56591752	0.99999994
Lamb1	0.10307297	0.08668688	0.08716977	-0.0004829	0.51470721	0.99999994
Gm16861	0.01549749	0.01340186	0.01388622	-0.0004844	0.59179893	0.99999994
Oxtr	0.00266245	0.0019218	0.00240643	-0.0004846	0.90996201	0.99999994
Gm11508	0.0071255	0.00593622	0.00642085	-0.0004846	0.69231076	0.99999994
Sapcd2	0.00334182	0.00253435	0.00301908	-0.0004847	0.85740069	0.99999994
Suv39h1	0.03723174	0.03239465	0.03287961	-0.000485	0.53910468	0.99999994
Slc25a15	0.01947031	0.01691394	0.01739944	-0.0004855	0.5736734	0.99999994
Faxc	0.02049891	0.01781992	0.01830599	-0.0004861	0.5701448	0.99999994
9930004E17I	0.00184039	0.00117721	0.00166435	-0.0004871	0.97430728	0.99999994
Ryr3	0.00595696	0.00488429	0.00537212	-0.0004878	0.72722957	0.99999994
Tbc1d2	0.01684029	0.01458781	0.01507577	-0.000488	0.58529093	0.99999994
Caly	0.00250269	0.00177385	0.00226227	-0.0004884	0.92465675	0.99999994
Zfp182	0.01439506	0.0124192	0.01290798	-0.0004888	0.59949987	0.99999994
1500002F19I	0.0012106	0.00060586	0.00109527	-0.0004894	0.9985317	0.99999994
Rassf5	0.00422264	0.00332294	0.00381255	-0.0004896	0.80367045	0.99999994

Pik3cg	0.00170715	0.00105409	0.00154399	-0.0004899	0.98265762	0.99999994
5330439K02I	0.00762082	0.00637463	0.00686489	-0.0004903	0.68273537	0.99999994
Rnd2	0.00899089	0.00760127	0.00809155	-0.0004903	0.65664415	0.99999994
Necab3	0.00944361	0.00800591	0.00849639	-0.0004905	0.649607	0.99999994
Xylb	0.00354614	0.00271256	0.00320322	-0.0004907	0.84604063	0.99999994
Tmem74b	0.00280561	0.00204477	0.00253558	-0.0004908	0.9012067	0.99999994
Slc41a1	0.02385298	0.02076257	0.02125341	-0.0004908	0.56108815	0.99999994
1810064F22I	0.00607797	0.00498945	0.0054808	-0.0004914	0.72465993	0.99999994
Ccdc57	0.00720824	0.00600291	0.00649505	-0.0004921	0.69299568	0.99999994
Gm17690	0.00981466	0.00833584	0.00882801	-0.0004922	0.64471711	0.99999994
Trmt44	0.02637191	0.02296596	0.02345827	-0.0004923	0.55554902	0.99999994
Krt222	0.00158365	0.00093992	0.00143241	-0.0004925	0.98894791	0.99999994
D830039M14	0.00147316	0.00083998	0.00133258	-0.0004926	0.993064	0.99999994
Cx3cr1	0.00255145	0.00181342	0.00230628	-0.0004929	0.92255606	0.99999994
Oasl2	0.00141543	0.00078736	0.00128041	-0.000493	0.99481364	0.99999994
Nme3	0.02052578	0.01783644	0.01832966	-0.0004932	0.57107421	0.99999994
Prob1	0.00304726	0.00225954	0.00275352	-0.000494	0.88378747	0.99999994
Dpyd	0.01078007	0.00919517	0.00969004	-0.0004949	0.63304793	0.99999994
Pla2g2c	0.01229002	0.01054071	0.01103605	-0.0004953	0.61744146	0.99999994
Gm42596	0.0012067	0.00059586	0.00109175	-0.0004959	0.99875036	0.99999994
Wdr93	0.00552724	0.00448868	0.00498604	-0.0004974	0.74664625	0.99999994
Slc2a13	0.00237576	0.0016496	0.00214772	-0.0004981	0.93868378	0.99999994
Rcc1	0.0621803	0.05351857	0.05401756	-0.000499	0.52451471	0.99999994
Bcap29	0.10019214	0.0844303	0.0849294	-0.0004991	0.51560163	0.99999994
1700034H15I	0.00198906	0.00129951	0.00179862	-0.0004991	0.96763515	0.99999994
Phtf1os	0.01255552	0.01077333	0.01127245	-0.0004991	0.61590038	0.99999994
4933438K21I	0.00157753	0.00092765	0.00142689	-0.0004992	0.99006876	0.99999994
Wasf3	0.00846429	0.00712104	0.00762034	-0.0004993	0.66862984	0.99999994
Ptprd	0.0121812	0.0104397	0.01093914	-0.0004994	0.6194009	0.99999994
Itga1	0.00204147	0.00134644	0.00184594	-0.0004995	0.96416159	0.99999994

Cdan1	0.01360557	0.01170699	0.01220655	-0.0004996	0.60734917	0.99999994
Gmeb2	0.02677702	0.02331259	0.02381216	-0.0004996	0.55553181	0.99999994
Impa2	0.0042074	0.00329899	0.00379883	-0.0004998	0.80943805	0.99999994
Atad3aos	0.00485497	0.00388145	0.00438159	-0.0005001	0.77631395	0.99999994
Ccdc9	0.08705909	0.07392151	0.07442174	-0.0005002	0.51784343	0.99999994
Gm5424	0.00768952	0.00642584	0.00692645	-0.0005006	0.68477122	0.99999994
4933424M12	0.00182741	0.00115193	0.00165262	-0.0005007	0.97813392	0.99999994
Tmem106b	0.18801513	0.1482082	0.14870893	-0.0005007	0.50894072	0.99999994
Cdc42ep5	0.03003177	0.02614749	0.02664858	-0.0005011	0.54980264	0.99999994
Slc38a8	0.00490254	0.00392252	0.00442439	-0.0005019	0.77488584	0.99999994
Abcb8	0.16333547	0.131196	0.13169826	-0.0005023	0.51012627	0.99999994
B430218F22	0.00465645	0.00370058	0.00420299	-0.0005024	0.7868915	0.99999994
Gm1976	0.02365356	0.02057564	0.02107854	-0.0005029	0.5630907	0.99999994
P2rx6	0.0042738	0.00335562	0.00385861	-0.000503	0.80721757	0.99999994
Alms1	0.03477683	0.03025871	0.03076177	-0.0005031	0.54334095	0.99999994
Bvht	0.00483915	0.00386393	0.00436736	-0.0005034	0.77854581	0.99999994
Arhgap6	0.00353185	0.00268659	0.00319034	-0.0005038	0.85337851	0.99999994
Cachd1	0.00413277	0.00322758	0.00373163	-0.0005041	0.81570473	0.99999994
Ablim2	0.00347716	0.00263641	0.00314106	-0.0005046	0.85756112	0.99999994
Arl16	0.23465786	0.17854877	0.17905364	-0.0005049	0.50748727	0.99999994
Gpr183	0.00472264	0.00375752	0.00426255	-0.000505	0.78484176	0.99999994
Rnf152	0.01248483	0.01070443	0.01120952	-0.0005051	0.61788536	0.99999994
Apc2	0.0013473	0.00071311	0.00121883	-0.0005057	0.99712649	0.99999994
C530044C16I	0.0029911	0.00219701	0.00270287	-0.0005059	0.89357694	0.99999994
Cd68	0.0119468	0.01022433	0.01073034	-0.000506	0.62319888	0.99999994
Nek7	0.15123334	0.12259703	0.12310358	-0.0005065	0.51092547	0.99999994
Def6	0.00725451	0.00602995	0.00653653	-0.0005066	0.69702631	0.99999994
Rsl1	0.00744908	0.00620406	0.00671097	-0.0005069	0.69243932	0.99999994
1700048O20	0.02790093	0.02428588	0.02479301	-0.0005071	0.55415024	0.99999994
Grb2	0.3080119	0.22185871	0.22236606	-0.0005073	0.5060585	0.99999994

Pus10	0.03982084	0.03459818	0.03510574	-0.0005076	0.53833379	0.99999994
Ccdc122	0.00838382	0.00704027	0.00754831	-0.000508	0.67292315	0.99999994
Glt28d2	0.01141113	0.00974472	0.01025292	-0.0005082	0.62927525	0.99999994
Zfyve1	0.01384292	0.01190922	0.0124175	-0.0005083	0.60736695	0.99999994
Ttc34	0.00277321	0.00199804	0.00250635	-0.0005083	0.91148686	0.99999994
Man2c1os	0.00972512	0.00823957	0.008748	-0.0005084	0.65057152	0.99999994
Srrd	0.12075044	0.10017901	0.10068895	-0.0005099	0.51344629	0.99999994
Gabra2	0.00321688	0.00239624	0.00290645	-0.0005102	0.87869419	0.99999994
Ints8	0.09576067	0.08089428	0.08140521	-0.0005109	0.51666234	0.99999994
Gm26533	0.00343126	0.00258759	0.00309969	-0.0005121	0.86427086	0.99999994
Taf1b	0.08133713	0.06927471	0.06978688	-0.0005122	0.51948099	0.99999994
Mypopos	0.00737176	0.0061292	0.00664166	-0.0005125	0.69623232	0.99999994
Rbl1	0.01665158	0.01439624	0.01490872	-0.0005125	0.59049233	0.99999994
A830011K09	0.00276369	0.00198521	0.00249776	-0.0005126	0.91401821	0.99999994
Cd84	0.00184091	0.00115223	0.00166482	-0.0005126	0.97979042	0.99999994
Slco1a5	0.00364491	0.00277913	0.00329222	-0.0005131	0.85022379	0.99999994
Ugt2b34	0.02319158	0.02015753	0.02067326	-0.0005157	0.56594227	0.99999994
Chd5	0.00159784	0.00092905	0.00144524	-0.0005162	0.99128348	0.99999994
Psme3	0.20134939	0.15710298	0.15761961	-0.0005166	0.50870329	0.99999994
Gm14703	0.00639165	0.0052455	0.00576244	-0.0005169	0.72478945	0.99999994
A230072E10	0.02116134	0.01837189	0.01888916	-0.0005173	0.57231849	0.99999994
Ccdc80	0.00799858	0.00668562	0.00720334	-0.0005177	0.68381795	0.99999994
Mppe1	0.00289383	0.00209738	0.00261515	-0.0005178	0.90622766	0.99999994
Slc2a10	0.00315544	0.00233311	0.00285106	-0.000518	0.88671882	0.99999994
Dna2	0.00756049	0.00629246	0.00681082	-0.0005184	0.69378465	0.99999994
Enox1	0.01200646	0.01026504	0.01078349	-0.0005185	0.62552697	0.99999994
Camkk1	0.00891634	0.00750593	0.00802486	-0.0005189	0.66655976	0.99999994
Lgals9	0.00349297	0.00263632	0.00315531	-0.000519	0.86320644	0.99999994
Tmem145	0.00657542	0.00540839	0.00592738	-0.000519	0.71999165	0.99999994
Dab2	0.00541811	0.00436866	0.00488796	-0.0005193	0.76027291	0.99999994

Lmcd1	0.00405342	0.00313919	0.00366019	-0.000521	0.82830128	0.99999994
Nde1	0.04590508	0.0397859	0.0403071	-0.0005212	0.53429522	0.99999994
Plekhf1	0.00328465	0.00244632	0.00296755	-0.0005212	0.87882647	0.99999994
Cnnm4	0.01319793	0.01132233	0.01184407	-0.0005217	0.61532215	0.99999994
AA986860	0.00159622	0.00092136	0.00144377	-0.0005224	0.99199161	0.99999994
Xpo5	0.01400492	0.01203839	0.01256145	-0.0005231	0.60917698	0.99999994
C2cd4c	0.06355941	0.05464259	0.05516596	-0.0005234	0.52517691	0.99999994
Fabp3-ps1	0.00721413	0.00597663	0.00650033	-0.0005237	0.7041131	0.99999994
Casp7	0.04289154	0.03721226	0.03773608	-0.0005238	0.53680913	0.99999994
Gm12999	0.00176255	0.00107017	0.00159404	-0.0005239	0.9856492	0.99999994
Kcna2	0.00195166	0.00124092	0.00176484	-0.0005239	0.97592572	0.99999994
Phlda3	0.01348166	0.01157239	0.01209639	-0.000524	0.61345788	0.99999994
Gm10382	0.0037559	0.00286741	0.00339222	-0.0005248	0.84844734	0.99999994
4930578M01	0.03132582	0.02724709	0.02777289	-0.0005258	0.5501412	0.99999994
Gm5493	0.00253726	0.0017668	0.00229347	-0.0005267	0.93681161	0.99999994
Zfp658	0.00827881	0.00692735	0.00745429	-0.0005269	0.68101503	0.99999994
Cpne5	0.00783294	0.00652775	0.00705496	-0.0005272	0.69055204	0.99999994
Dtx3l	0.01131214	0.00963698	0.01016466	-0.0005277	0.63516082	0.99999994
Glis2	0.07560673	0.0645827	0.06511077	-0.0005281	0.52152666	0.99999994
C8b	0.0015766	0.00089689	0.00142605	-0.0005292	0.99324316	0.99999994
Dbnidd2	0.00484673	0.00384492	0.00437418	-0.0005293	0.78970328	0.99999994
Cep192	0.03441049	0.02991584	0.03044513	-0.0005293	0.54606348	0.99999994
Ccdc73	0.00702273	0.00579901	0.00632869	-0.0005297	0.71127362	0.99999994
Gfod1	0.01460971	0.01256883	0.01309857	-0.0005297	0.60611192	0.99999994
Mrap2	0.00135732	0.00069807	0.00122789	-0.0005298	0.99796145	0.99999994
Tchp	0.06102456	0.05252347	0.05305356	-0.0005301	0.52651336	0.99999994
Sowahb	0.00146404	0.00079421	0.00132434	-0.0005301	0.99614483	0.99999994
Prdm6	0.00299987	0.00218024	0.00271079	-0.0005305	0.90367122	0.99999994
Tceal3	0.01296864	0.01110893	0.01164011	-0.0005312	0.61934214	0.99999994
Mical1	0.01107408	0.00942109	0.00995235	-0.0005313	0.63882225	0.99999994

Tmem144	0.00376356	0.00286705	0.00339912	-0.0005321	0.85127865	0.99999994
Cyp46a1	0.00494817	0.0039331	0.00446543	-0.0005323	0.78625893	0.99999994
Klhl5	0.00333848	0.00248338	0.00301607	-0.0005327	0.88012582	0.99999994
Crhr1	0.00100249	0.00037429	0.00090712	-0.0005328	0.99995382	0.99999994
Cd274	0.00261228	0.00182758	0.00236117	-0.0005336	0.93374098	0.99999994
2610027F03I	0.0012851	0.00062839	0.00116261	-0.0005342	0.99888819	0.99999994
Cdca7	0.01994289	0.01728158	0.0178161	-0.0005345	0.57914432	0.99999994
Usp28	0.02281925	0.01981137	0.02034643	-0.0005351	0.56947769	0.99999994
Vamp5	0.00594791	0.00482858	0.00536399	-0.0005354	0.74678708	0.99999994
Tmc7	0.00437859	0.00341686	0.00395294	-0.0005361	0.81665719	0.99999994
Gm26691	0.00657121	0.00538719	0.0059236	-0.0005364	0.72666715	0.99999994
Arhgap11a	0.00539994	0.00433487	0.00487163	-0.0005368	0.76834386	0.99999994
Ccl9	0.00319048	0.00234546	0.00288265	-0.0005372	0.89259059	0.99999994
Gm29666	0.00616666	0.00502263	0.00556044	-0.0005378	0.74014943	0.99999994
Aurkb	0.00493417	0.00391495	0.00445284	-0.0005379	0.78932036	0.99999994
Slc19a3	0.00188647	0.00116801	0.00170597	-0.000538	0.9820927	0.99999994
Cfap44	0.00487624	0.00386243	0.00440073	-0.0005383	0.79223607	0.99999994
Evc2	0.00606418	0.00492927	0.00546842	-0.0005391	0.74417479	0.99999994
Map3k15	0.08724915	0.07403539	0.07457511	-0.0005397	0.51921113	0.99999994
B930094E09I	0.00403427	0.00310162	0.00364294	-0.0005413	0.83869119	0.99999994
Moxd1	0.00169802	0.00099425	0.00153574	-0.0005415	0.99053669	0.99999994
H2-Eb1	0.00414301	0.00319738	0.00374086	-0.0005435	0.83324003	0.99999994
Cd320	0.19290024	0.151452	0.15199609	-0.0005441	0.50950474	0.99999994
Panx2	0.00335443	0.00248617	0.00303045	-0.0005443	0.88405535	0.99999994
Gm16344	0.00178327	0.00106843	0.00161276	-0.0005443	0.98766743	0.99999994
Zfp605	0.05763041	0.04966953	0.0502141	-0.0005446	0.52877386	0.99999994
Gm15013	0.01032261	0.00873705	0.00928171	-0.0005447	0.65195231	0.99999994
Cyp2d22	0.00855824	0.00715908	0.00770443	-0.0005454	0.68123874	0.99999994
Zfp879	0.00250388	0.001718	0.00226335	-0.0005454	0.94562666	0.99999994
Tmem120a	0.11286429	0.09416054	0.09470623	-0.0005457	0.51529701	0.99999994

Rgs14	0.00671408	0.00550576	0.00605181	-0.000546	0.7259435	0.99999994
Ctla2a	0.00307582	0.00223299	0.00277927	-0.0005463	0.90461984	0.99999994
Chst10	0.00860097	0.00719536	0.00774267	-0.0005473	0.68101118	0.99999994
Slc23a1	0.00330258	0.00243614	0.00298371	-0.0005476	0.88906575	0.99999994
Tmem255a	0.00115008	0.00049268	0.00104056	-0.0005479	0.99977147	0.99999994
Fam217b	0.00531056	0.0042428	0.00479128	-0.0005485	0.77696619	0.99999994
Mocs1	0.02274753	0.01973397	0.02028345	-0.0005495	0.57155099	0.99999994
Hcn1	0.00168068	0.00096975	0.00152008	-0.0005503	0.99202088	0.99999994
Gm43653	0.00343558	0.00255266	0.00310358	-0.0005509	0.88131567	0.99999994
Fbxo47	0.00317596	0.00231799	0.00286956	-0.0005516	0.89963073	0.99999994
Anxa1	0.00459982	0.00360006	0.00415204	-0.000552	0.81189614	0.99999994
Ttc16	0.01085144	0.00920168	0.00975373	-0.000552	0.64681632	0.99999994
Car9	0.00782748	0.00649736	0.00705006	-0.0005527	0.69910875	0.99999994
Mtcp1	0.01624123	0.0139923	0.01454534	-0.000553	0.59989934	0.99999994
Glp1r	0.00137159	0.0006876	0.00124079	-0.0005532	0.99849956	0.99999994
Glyctk	0.00433729	0.00336246	0.00391577	-0.0005533	0.82653332	0.99999994
Mak	0.0049482	0.00391214	0.00446545	-0.0005533	0.79525358	0.99999994
Ebf4	0.00738437	0.0060975	0.00665296	-0.0005555	0.71080458	0.99999994
Rbm12b2	0.01662555	0.01433008	0.01488568	-0.0005556	0.59810491	0.99999994
Tia1	0.56767513	0.33960307	0.34015867	-0.0005556	0.50433731	0.99999994
Car8	0.03906386	0.03389987	0.03445567	-0.0005558	0.54275368	0.99999994
Krt77	0.00106735	0.00040979	0.00096576	-0.000556	0.99993644	0.99999994
9230105E05I	0.00474063	0.00372248	0.00427874	-0.0005563	0.80657926	0.99999994
Golga1	0.23073465	0.17603156	0.17658868	-0.0005571	0.50837724	0.99999994
Epha4	0.0014265	0.00073188	0.00129041	-0.0005585	0.99801832	0.99999994
2600006K01I	0.01099773	0.00932539	0.00988424	-0.0005588	0.64666854	0.99999994
Gm20696	0.01429965	0.01226402	0.01282326	-0.0005592	0.61420204	0.99999994
Dgkh	0.0010028	0.00034801	0.0009074	-0.0005594	0.99997965	0.99999994
Adgrd1	0.00156093	0.0008521	0.00141189	-0.0005598	0.99584409	0.99999994
Pde8b	0.002892	0.00205288	0.0026135	-0.0005606	0.92333332	0.99999994

Nxn12	0.00713813	0.00587019	0.00643218	-0.000562	0.71957417	0.99999994
Ms4a6d	0.00144045	0.00074096	0.00130302	-0.0005621	0.99795542	0.99999994
Trim34a	0.00363787	0.00272272	0.00328588	-0.0005632	0.87302822	0.99999994
Cdh7	0.0016797	0.00095553	0.0015192	-0.0005637	0.99323841	0.99999994
Helz2	0.01323261	0.01131122	0.01187492	-0.0005637	0.62398951	0.99999994
Uri1	0.18154335	0.14374994	0.14431395	-0.000564	0.5103772	0.99999994
Serpine1	0.0042657	0.00328598	0.00385132	-0.0005653	0.83573968	0.99999994
Isoc2a	0.00340655	0.00251184	0.00307743	-0.0005656	0.88939947	0.99999994
Gm28424	0.00344221	0.00254365	0.00310957	-0.0005659	0.88713142	0.99999994
Sirt1	0.02680847	0.0232737	0.02383963	-0.0005659	0.56277792	0.99999994
H2-DMb1	0.00793379	0.00657926	0.0071453	-0.000566	0.70100759	0.99999994
Timp1	0.01478245	0.01268443	0.0132519	-0.0005675	0.61219066	0.99999994
Krt23	0.00270116	0.00187365	0.00244135	-0.0005677	0.93916847	0.99999994
Pcdhb11	0.00598243	0.00482703	0.005395	-0.000568	0.75827498	0.99999994
Gm28800	0.00268965	0.00186227	0.00243097	-0.0005687	0.94028841	0.99999994
Tm6sf2	0.00224815	0.00146336	0.00203254	-0.0005692	0.96883903	0.99999994
Slc12a4	0.01370535	0.01172568	0.01229524	-0.0005696	0.62108991	0.99999994
Gm12166	0.0113318	0.00961253	0.01018219	-0.0005697	0.64520237	0.99999994
Ccdc78	0.00382164	0.00288136	0.00345144	-0.0005701	0.86421119	0.99999994
Pih1d2	0.07511094	0.06413365	0.06470456	-0.0005709	0.52341718	0.99999994
Zfp518b	0.02882366	0.02502625	0.02559719	-0.0005709	0.55901351	0.99999994
Gabpa	0.06554945	0.05624796	0.05681946	-0.0005715	0.52668961	0.99999994
1700001C19I	0.00227379	0.00148343	0.00205569	-0.0005723	0.96805672	0.99999994
4930525G20	0.00441973	0.00341757	0.00398997	-0.0005724	0.83019021	0.99999994
Irf7	0.01933064	0.01670357	0.01727624	-0.0005727	0.58731532	0.99999994
Kazald1	0.00391113	0.00295928	0.00353205	-0.0005728	0.85979982	0.99999994
Nusap1	0.01057948	0.00893817	0.00951103	-0.0005729	0.65575976	0.99999994
Kcnc3	0.10934553	0.09143709	0.09201162	-0.0005745	0.51657625	0.99999994
Gm10614	0.00848127	0.00706063	0.00763554	-0.0005749	0.69187966	0.99999994
Fxyd4	0.005682	0.0045486	0.00512511	-0.0005765	0.77299825	0.99999994

Zfp3	0.03181967	0.02762493	0.02820145	-0.0005765	0.55411919	0.99999994
Klhl1	0.01259291	0.01072895	0.01130573	-0.0005768	0.63291513	0.99999994
Igf1	0.01629463	0.01401566	0.01459264	-0.000577	0.60379733	0.99999994
Flrt3	0.01037311	0.00874977	0.0093268	-0.000577	0.6597628	0.99999994
Rad9a	0.03570873	0.03098939	0.03156652	-0.0005771	0.54843147	0.99999994
Fam228b	0.00353625	0.00261712	0.00319431	-0.0005772	0.88546593	0.99999994
Ccdc162	0.0092128	0.00771272	0.00829002	-0.0005773	0.67850825	0.99999994
Arnt2	0.01755986	0.01513491	0.01571234	-0.0005774	0.59662598	0.99999994
Fxyd7	0.00256715	0.00174286	0.00232044	-0.0005776	0.95122262	0.99999994
Gm11696	0.00509101	0.00401574	0.00459388	-0.0005781	0.79890255	0.99999994
B3gnt3	0.00855465	0.0071221	0.00770122	-0.0005791	0.69165631	0.99999994
Fam162b	0.00820836	0.00681116	0.00739121	-0.0005801	0.69929745	0.99999994
Ccdc84	0.05060973	0.04372039	0.04430053	-0.0005801	0.53473082	0.99999994
Rab39	0.00569035	0.00455239	0.00513261	-0.0005802	0.77411741	0.99999994
Gm17484	0.03802452	0.03298151	0.03356206	-0.0005806	0.54583313	0.99999994
Cfap46	0.00301727	0.00214516	0.00272647	-0.0005813	0.92207829	0.99999994
Nim1k	0.02581064	0.02238622	0.02296762	-0.0005814	0.56690467	0.99999994
Gm11767	0.00260523	0.00177292	0.00235481	-0.0005819	0.94999696	0.99999994
Angptl1	0.00357126	0.00264379	0.00322586	-0.0005821	0.88513743	0.99999994
9430069I07R	0.00131424	0.00060586	0.00118896	-0.0005831	0.99945165	0.99999994
Ucma	0.00097851	0.00030219	0.00088543	-0.0005832	0.99999419	0.99999994
Cdk20	0.02798306	0.02428098	0.02486463	-0.0005836	0.5620796	0.99999994
Gm17509	0.00321069	0.00231707	0.00290087	-0.0005838	0.90981088	0.99999994
Fhl1	0.00217152	0.00137934	0.00196336	-0.000584	0.97614807	0.99999994
Adssl1	0.01239586	0.01054615	0.01113031	-0.0005842	0.63658624	0.99999994
Insl6	0.00688013	0.00561591	0.00620078	-0.0005849	0.73494639	0.99999994
Esam	0.01022882	0.00861298	0.00919796	-0.000585	0.66397276	0.99999994
Calb1	0.01037266	0.008741	0.00932639	-0.0005854	0.66195391	0.99999994
Tfpi2	0.00626297	0.00506077	0.00564692	-0.0005861	0.75519308	0.99999994
Cds1	0.00590151	0.004736	0.00532232	-0.0005863	0.76830544	0.99999994

Ccdc22	0.06091787	0.0523777	0.0529645	-0.0005868	0.5293943	0.99999994
Cep135	0.03018384	0.02619392	0.02678081	-0.0005869	0.5579886	0.99999994
Fbxl20	0.07513164	0.06413454	0.06472153	-0.000587	0.5240694	0.99999994
Ddias	0.00277849	0.00192322	0.00251112	-0.0005879	0.94042745	0.99999994
Ntn1	0.00345576	0.00253385	0.00312178	-0.0005879	0.89500611	0.99999994
Herc6	0.00655842	0.00532381	0.00591212	-0.0005883	0.74613521	0.99999994
Gm5105	0.00775214	0.00639409	0.00698257	-0.0005885	0.71259658	0.99999994
Tgfbr3	0.0087695	0.00730498	0.00789349	-0.0005885	0.69014917	0.99999994
Tubgcp2	0.09903154	0.08342097	0.08401022	-0.0005892	0.51861899	0.99999994
Zfp287	0.01044565	0.0088022	0.00939156	-0.0005894	0.66192227	0.99999994
Krt25	0.00156754	0.00082821	0.00141786	-0.0005896	0.99718159	0.99999994
Mcm10	0.00320396	0.00230515	0.0028948	-0.0005897	0.9124287	0.99999994
Tm7sf2	0.04181221	0.03622282	0.03681275	-0.0005899	0.54247421	0.99999994
Gpr173	0.02835094	0.02459524	0.02518533	-0.0005901	0.5619672	0.99999994
Nln	0.03587412	0.03111889	0.03170925	-0.0005904	0.54931389	0.99999994
Ecm1	0.00320716	0.00230694	0.00289769	-0.0005908	0.91261581	0.99999994
Pard6b	0.02348471	0.02033935	0.02093044	-0.0005911	0.57455456	0.99999994
Slc29a2	0.00328474	0.00237648	0.00296763	-0.0005911	0.90756868	0.99999994
Gdpd3	0.01277846	0.01087909	0.01147088	-0.0005918	0.63435326	0.99999994
Mknk2	0.04023077	0.03486553	0.0354575	-0.000592	0.54424333	0.99999994
Klf1	0.00475992	0.00370391	0.00429609	-0.0005922	0.82056437	0.99999994
Taf4b	0.00352972	0.00259592	0.00318843	-0.0005925	0.89194676	0.99999994
Diras1	0.00376099	0.0028042	0.0033968	-0.0005926	0.87723194	0.99999994
Gm20186	0.02058424	0.01778841	0.01838114	-0.0005927	0.58497776	0.99999994
Cenpu	0.00517497	0.00407653	0.00466938	-0.0005928	0.80097964	0.99999994
Spon1	0.00579563	0.00463413	0.0052272	-0.0005931	0.77494282	0.99999994
Dach1	0.17571408	0.13972243	0.14031583	-0.0005934	0.51122873	0.99999994
Aqp12	0.00407718	0.00308729	0.00368159	-0.0005943	0.85870099	0.99999994
Fam13a	0.00393107	0.00295543	0.00355	-0.0005946	0.86753759	0.99999994
Mettl22	0.05343457	0.0460919	0.04668647	-0.0005946	0.53377834	0.99999994

Fzd8	0.00647016	0.00523812	0.00583291	-0.0005948	0.75135249	0.99999994
Lrrc46	0.02084798	0.01801847	0.01861336	-0.0005949	0.58423534	0.99999994
9530053A07	0.00907951	0.00757581	0.00817082	-0.000595	0.68606347	0.99999994
Aldh16a1	0.03587654	0.03111623	0.03171133	-0.0005951	0.54970411	0.99999994
Fzd6	0.01418179	0.01212327	0.01271857	-0.0005953	0.62230988	0.99999994
Gm15559	0.00842008	0.00698539	0.00758077	-0.0005954	0.69943374	0.99999994
Asah2	0.00329885	0.00238429	0.00298034	-0.000596	0.90844267	0.99999994
Abcb11	0.00368014	0.00272744	0.00332396	-0.0005965	0.88386965	0.99999994
Wdr18	0.35300647	0.24589812	0.24649478	-0.0005967	0.5064275	0.99999994
Tcf7l1	0.01278893	0.01088338	0.0114802	-0.0005968	0.63534465	0.99999994
Trnau1ap	0.25961131	0.19377209	0.194369	-0.0005969	0.5081546	0.99999994
Mmp16	0.00845588	0.00701585	0.00761282	-0.000597	0.69915318	0.99999994
Prnt3	0.00331254	0.00239569	0.00299269	-0.000597	0.90788693	0.99999994
Gm16141	0.03534916	0.03065838	0.03125613	-0.0005978	0.55064785	0.99999994
Zxdc	0.05338918	0.04605037	0.04664819	-0.0005978	0.5339903	0.99999994
Cnm1	0.00346158	0.00252919	0.00312702	-0.0005978	0.89841584	0.99999994
Rgcc	0.00382752	0.00285868	0.00345673	-0.000598	0.87526018	0.99999994
Hif3a	0.01004597	0.00843633	0.00903465	-0.0005983	0.67032761	0.99999994
8430432A02	0.00199663	0.00120604	0.00180545	-0.0005994	0.98644472	0.99999994
Zfp455	0.00990596	0.00830996	0.00890957	-0.0005996	0.67291224	0.99999994
Gm9008	0.00262013	0.00176839	0.00236825	-0.0005999	0.95410258	0.99999994
Zfand1	0.14378431	0.11712835	0.11772878	-0.0006004	0.51354074	0.99999994
Gm9920	0.00872674	0.00725417	0.00785523	-0.0006011	0.69473903	0.99999994
Ephb2	0.04708786	0.04071109	0.04131341	-0.0006023	0.53865471	0.99999994
Gm12689	0.00401364	0.00302171	0.00362436	-0.0006027	0.86581033	0.99999994
Dhx38	0.06697927	0.05740175	0.05800484	-0.0006031	0.52758755	0.99999994
Tusc1	0.01935533	0.01669411	0.01729802	-0.0006039	0.59188097	0.99999994
Grn	0.22494605	0.17231935	0.17292336	-0.000604	0.50927466	0.99999994
Pvr	0.00333617	0.00240883	0.00301398	-0.0006052	0.9093021	0.99999994
Upp2	0.03571952	0.03097038	0.03157583	-0.0006055	0.55078008	0.99999994

Mki67	0.01021844	0.00858316	0.00918869	-0.0006055	0.66954327	0.99999994
Ube2l6	0.01142029	0.00965481	0.01026108	-0.0006063	0.6529462	0.99999994
Zfp414	0.20764277	0.16115268	0.16175902	-0.0006063	0.50995295	0.99999994
Xrra1	0.0034305	0.0024923	0.00309901	-0.0006067	0.90373773	0.99999994
Tmem178	0.01171647	0.00991831	0.0105251	-0.0006068	0.64941873	0.99999994
Dnhd1	0.00664594	0.00538379	0.00599066	-0.0006069	0.74994303	0.99999994
Rhbdf2	0.03057987	0.0265181	0.02712502	-0.0006069	0.5591983	0.99999994
Chrnbl	0.01023239	0.00859298	0.00920115	-0.0006082	0.67001794	0.99999994
Aebp1	0.00840376	0.00695736	0.00756616	-0.0006088	0.7038796	0.99999994
Ecel1	0.00345915	0.00251583	0.00312483	-0.000609	0.902729	0.99999994
Samd4	0.0049178	0.0038278	0.00443811	-0.0006103	0.81999692	0.99999994
Trpc7	0.00214408	0.00132782	0.00193859	-0.0006108	0.98200897	0.99999994
Zfp526	0.00929598	0.00775323	0.0083644	-0.0006112	0.68664512	0.99999994
Tmprss2	0.00787702	0.00648323	0.00709444	-0.0006112	0.71683726	0.99999994
Susd1	0.00329072	0.00236159	0.00297302	-0.0006114	0.91449054	0.99999994
1700112J16F	0.00400643	0.00300568	0.00361788	-0.0006122	0.86999081	0.99999994
Apoc3	0.00148217	0.00072842	0.00134072	-0.0006123	0.99881672	0.99999994
Gm16150	0.00360214	0.00264058	0.00325368	-0.0006131	0.8951302	0.99999994
Teddm2	0.00446994	0.00342143	0.00403516	-0.0006137	0.84432788	0.99999994
Rph3a	0.0015468	0.00078522	0.00139912	-0.0006139	0.99825344	0.99999994
Zfp52	0.00649497	0.00524093	0.00585518	-0.0006142	0.75750387	0.99999994
Fhad1	0.08730532	0.07400596	0.07462043	-0.0006145	0.5218561	0.99999994
Chpt1	0.04987501	0.04306369	0.04367851	-0.0006148	0.53732387	0.99999994
Glis1	0.02350939	0.02033637	0.02095209	-0.0006157	0.5775425	0.99999994
Cryab	0.01690852	0.01452017	0.01513615	-0.000616	0.60676257	0.99999994
Gm15816	0.00197497	0.00116986	0.00178589	-0.000616	0.9891639	0.99999994
Acsf2	0.00417201	0.00315069	0.00376697	-0.0006163	0.8619215	0.99999994
Scd3	0.02067187	0.01784125	0.01845831	-0.0006171	0.58804658	0.99999994
C78197	0.00275451	0.00187242	0.00248949	-0.0006171	0.95051947	0.99999994
Pcolce2	0.00313971	0.00221974	0.00283688	-0.0006171	0.92619619	0.99999994

Pde4c	0.00163505	0.00086101	0.00147885	-0.0006178	0.99728982	0.99999994
C1d	0.73973253	0.3907278	0.39134598	-0.0006182	0.50419462	0.99999994
Ano6	0.07251504	0.06195477	0.06257346	-0.0006187	0.5262374	0.99999994
Rarg	0.00576735	0.00458271	0.00520179	-0.0006191	0.78587811	0.99999994
Arhgdib	0.01133239	0.0095636	0.01018271	-0.0006191	0.65715503	0.99999994
Mrc1	0.00397274	0.00296795	0.00358753	-0.0006196	0.87484166	0.99999994
Tec	0.00786975	0.00646829	0.00708793	-0.0006196	0.71968815	0.99999994
Thbs3	0.04070483	0.03524364	0.03586406	-0.0006204	0.54583711	0.99999994
Camp	0.00393602	0.00293397	0.00355446	-0.0006205	0.87737804	0.99999994
Gm15627	0.00444802	0.00339473	0.00401543	-0.0006207	0.84824491	0.99999994
Sap30bp	0.17623829	0.1400557	0.140677	-0.0006213	0.51172635	0.99999994
Pidd1	0.00302121	0.00210857	0.00273003	-0.0006215	0.9351425	0.99999994
Cemip	0.00405873	0.00304331	0.00366497	-0.0006217	0.87056712	0.99999994
Zfp850	0.00580253	0.00461141	0.0052334	-0.000622	0.78555925	0.99999994
Pmel	0.00455644	0.00349056	0.00411301	-0.0006224	0.84311705	0.99999994
Gm12981	0.00384166	0.00284642	0.00346947	-0.0006231	0.88402589	0.99999994
Gp1bb	0.00365904	0.00268171	0.00330495	-0.0006232	0.89530514	0.99999994
Inpp1	0.03420195	0.02964136	0.03026482	-0.0006235	0.55453257	0.99999994
Zcchc17	0.48962262	0.30920372	0.3098278	-0.0006241	0.50534873	0.99999994
Ccdc163	0.05907625	0.05079918	0.0514252	-0.000626	0.53229141	0.99999994
Rad51c	0.01702378	0.01461197	0.01523816	-0.0006262	0.60777774	0.99999994
Fam169a	0.00801867	0.00659399	0.00722133	-0.0006273	0.71845556	0.99999994
Arsg	0.00689153	0.00558304	0.006211	-0.000628	0.74952378	0.99999994
Lrrc36	0.00183859	0.00103355	0.00166272	-0.0006292	0.99411173	0.99999994
Zfp655	0.12606565	0.10404882	0.10467806	-0.0006292	0.51595846	0.99999994
Antxr1	0.00597789	0.00476143	0.00539092	-0.0006295	0.78149789	0.99999994
Zfp281	0.09752371	0.08218063	0.08281069	-0.0006301	0.52019567	0.99999994
Nop14	0.1452358	0.11815111	0.11878135	-0.0006302	0.51408672	0.99999994
Junos	0.01201825	0.01016356	0.010794	-0.0006304	0.65127913	0.99999994
Gm13093	0.00111907	0.00038091	0.00101253	-0.0006316	0.99998354	0.99999994

Gm26901	0.00395703	0.00294152	0.00357339	-0.0006319	0.88040561	0.99999994
Tmem154	0.00217086	0.00133016	0.00196277	-0.0006326	0.98403839	0.99999994
Rnasel	0.016312	0.01397473	0.01460803	-0.0006333	0.61354595	0.99999994
Car11	0.03168681	0.02745244	0.02808619	-0.0006337	0.55969462	0.99999994
Sufu	0.01231929	0.01042834	0.01106212	-0.0006338	0.64853158	0.99999994
Fez1	0.00589702	0.00468398	0.00531829	-0.0006343	0.78637308	0.99999994
Izumo4	0.05994039	0.05151347	0.05214795	-0.0006345	0.53227366	0.99999994
Gm27217	0.02695702	0.02333467	0.02396936	-0.0006347	0.56995343	0.99999994
Zfp14	0.01815347	0.01560154	0.01623702	-0.0006355	0.60276626	0.99999994
Gm4792	0.00171739	0.0009171	0.00155324	-0.0006361	0.9967963	0.99999994
Slc6a20a	0.00982451	0.00820015	0.00883681	-0.0006367	0.68423154	0.99999994
Gm13613	0.00251309	0.00163464	0.00227166	-0.000637	0.96901971	0.99999994
Arhgef38	0.00637565	0.00511078	0.00574808	-0.0006373	0.76974372	0.99999994
Ppp1r3c	0.00468881	0.00359442	0.00423212	-0.0006377	0.842066	0.99999994
Slc12a8	0.00326582	0.00231283	0.00295057	-0.0006377	0.92488348	0.99999994
Limch1	0.01752068	0.01503813	0.0156777	-0.0006396	0.6070133	0.99999994
Il18bp	0.00384985	0.00283678	0.00347685	-0.0006401	0.88978827	0.99999994
3110056K07I	0.0330099	0.02859302	0.02923317	-0.0006401	0.55794483	0.99999994
Hs3st3b1	0.00217441	0.00132558	0.00196597	-0.0006404	0.98492916	0.99999994
Slc41a2	0.00120895	0.00045259	0.00109377	-0.0006412	0.99995231	0.99999994
Strada	0.03743972	0.03241715	0.03305871	-0.0006416	0.55139167	0.99999994
Pwp2	0.02155799	0.01859626	0.0192381	-0.0006418	0.58787162	0.99999994
AY074887	0.00201794	0.0011819	0.00182469	-0.0006428	0.99048292	0.99999994
4930509G22	0.00237947	0.00150756	0.00215108	-0.0006435	0.97677689	0.99999994
Lrp2bp	0.00205433	0.00121387	0.00185756	-0.0006437	0.98946053	0.99999994
Arf4os	0.00219066	0.00133659	0.00198064	-0.000644	0.98478502	0.99999994
Atad5	0.02671769	0.02311586	0.02376035	-0.0006445	0.57163954	0.99999994
Rasgrp2	0.00813248	0.00667797	0.00732326	-0.0006453	0.72123969	0.99999994
Sult4a1	0.04997536	0.04311794	0.0437635	-0.0006456	0.53910851	0.99999994
Ttc39c	0.01936257	0.01665884	0.01730441	-0.0006456	0.59805927	0.99999994

Fank1	0.01007642	0.00841606	0.00906185	-0.0006458	0.68237784	0.99999994
Zfp963	0.03702542	0.032056	0.03270188	-0.0006459	0.55229704	0.99999994
Dnm1	0.02071133	0.01784615	0.01849305	-0.0006469	0.59205924	0.99999994
Shisa2	0.05393166	0.04645805	0.04710541	-0.0006474	0.53644268	0.99999994
Enpep	0.00807471	0.00662412	0.00727152	-0.0006474	0.72328706	0.99999994
Zfp951	0.0044388	0.00335912	0.00400713	-0.000648	0.85913249	0.99999994
Fstl3	0.01532932	0.01308898	0.01373709	-0.0006481	0.6232548	0.99999994
Acsbg1	0.0070431	0.00569854	0.00634696	-0.0006484	0.75175431	0.99999994
Gm42912	0.0123558	0.01044618	0.01109463	-0.0006485	0.65138021	0.99999994
Usp54	0.01480645	0.01262417	0.01327319	-0.000649	0.62759035	0.99999994
Fbn2	0.00264376	0.00174	0.00238956	-0.0006496	0.96480697	0.99999994
Pir	0.01253092	0.01060003	0.01125055	-0.0006505	0.64983495	0.99999994
Cdk19	0.02698748	0.02334501	0.02399595	-0.0006509	0.57164725	0.99999994
Cpne2	0.0032007	0.00224061	0.00289187	-0.0006513	0.93306565	0.99999994
1810009A15	0.00904677	0.00748978	0.00814154	-0.0006518	0.70293436	0.99999994
Tnfrsf11b	0.00296797	0.0020289	0.00268201	-0.0006531	0.94748438	0.99999994
Trmt11	0.06305233	0.05409037	0.05474395	-0.0006536	0.53167033	0.99999994
Metap1d	0.08064732	0.06857166	0.06922581	-0.0006541	0.52507661	0.99999994
Akr1e1	0.05573009	0.04796461	0.04861881	-0.0006542	0.53568416	0.99999994
Atp6v1g2	0.01523707	0.01300105	0.01365526	-0.0006542	0.62509876	0.99999994
Susd2	0.00724928	0.00587746	0.00653184	-0.0006544	0.74756701	0.99999994
Ccdc160	0.00822391	0.00674828	0.00740513	-0.0006569	0.72255084	0.99999994
Myrip	0.00180466	0.00097517	0.00163208	-0.0006569	0.99630958	0.99999994
Etaa1os	0.01302585	0.01103255	0.01169101	-0.0006585	0.64613121	0.99999994
0610040F04I	0.00265781	0.00174368	0.00240225	-0.0006586	0.96598523	0.99999994
2900009J06F	0.01388737	0.01179822	0.012457	-0.0006588	0.63758819	0.99999994
B3gat3	0.18795046	0.14800621	0.14866524	-0.000659	0.51177002	0.99999994
Uckl1os	0.00494102	0.00379967	0.00445899	-0.0006593	0.83749945	0.99999994
Gm10334	0.00374495	0.00272297	0.00338235	-0.0006594	0.90279474	0.99999994
Gm26782	0.00974083	0.00810256	0.00876203	-0.0006595	0.6918095	0.99999994

Rgs1	0.00263071	0.00171779	0.0023778	-0.00066	0.96766947	0.99999994
Fbxo5	0.01475276	0.01256549	0.01322555	-0.0006601	0.63013209	0.99999994
Caskin1	0.0015355	0.00072786	0.00138891	-0.000661	0.9992327	0.99999994
Aurkc	0.00141514	0.00061768	0.00128014	-0.0006625	0.99971405	0.99999994
Efnb2	0.00294517	0.00199839	0.00266146	-0.0006631	0.95137614	0.99999994
Erich5	0.03144337	0.02721011	0.02787493	-0.0006648	0.56306814	0.99999994
6720427I07R	0.0116726	0.0098204	0.010486	-0.0006656	0.66367346	0.99999994
Coro2a	0.01098786	0.00920951	0.00987543	-0.0006659	0.67323123	0.99999994
Alox12b	0.00142112	0.00061932	0.00128555	-0.0006662	0.99971933	0.99999994
Rdh11	0.06585847	0.05640941	0.05707584	-0.0006664	0.53097515	0.99999994
Disp1	0.01225522	0.01033852	0.01100507	-0.0006665	0.65658389	0.99999994
Strip1	0.14008453	0.11436789	0.11503466	-0.0006668	0.51538803	0.99999994
Kirrel3	0.0025542	0.00164177	0.00230876	-0.000667	0.97275989	0.99999994
Frrs1l	0.00184565	0.00100185	0.0016691	-0.0006672	0.99610423	0.99999994
Lrrc8e	0.00702066	0.00565941	0.00632683	-0.0006674	0.75871816	0.99999994
6030443J06F	0.00392575	0.00287743	0.00354521	-0.0006678	0.89504304	0.99999994
Cct6b	0.00581326	0.00457497	0.00524304	-0.0006681	0.80182482	0.99999994
Adamts2	0.00299194	0.00203487	0.00270364	-0.0006688	0.95016867	0.99999994
Kcnj12	0.00172582	0.00089069	0.00156086	-0.0006702	0.99786828	0.99999994
Yjefn3	0.01484312	0.01263534	0.01330574	-0.0006704	0.63132936	0.99999994
Slc41a3	0.0199937	0.01718992	0.01786088	-0.000671	0.5987267	0.99999994
Ctrl	0.00571252	0.00447986	0.00515253	-0.0006727	0.80757672	0.99999994
Tmem81	0.0017141	0.0008774	0.00155027	-0.0006729	0.99806814	0.99999994
9130023H24	0.01348305	0.01142437	0.01209763	-0.0006733	0.64447341	0.99999994
Myo5b	0.0205144	0.01764581	0.01831963	-0.0006738	0.5967064	0.99999994
Tmem121	0.02015112	0.01732485	0.0179996	-0.0006748	0.59852326	0.99999994
Cilp	0.00207709	0.00120304	0.0018781	-0.0006751	0.99163399	0.99999994
Ppm1f	0.00701219	0.00564405	0.00631923	-0.0006752	0.76152079	0.99999994
Phgdh	0.12109713	0.10027353	0.1009502	-0.0006767	0.51779375	0.99999994
Gm12682	0.00309148	0.00211635	0.00279339	-0.000677	0.94666035	0.99999994

Zfp869	0.01273911	0.01075863	0.01143586	-0.0006772	0.65328016	0.99999994
Nova1	0.00591976	0.00466125	0.00533871	-0.0006775	0.8008509	0.99999994
Arhgap33	0.01381059	0.01171117	0.01238878	-0.0006776	0.64209642	0.99999994
Tfcp2l1	0.01061707	0.00886237	0.00954458	-0.0006822	0.68288117	0.99999994
Hnf4g	0.00744336	0.00602356	0.00670584	-0.0006823	0.75087378	0.99999994
Nlrx1	0.01040657	0.00867345	0.00935667	-0.0006832	0.68653268	0.99999994
Notch4	0.00667704	0.00533365	0.00601857	-0.0006849	0.77562561	0.99999994
Kcnc1	0.01956403	0.01679704	0.01748209	-0.0006851	0.60289095	0.99999994
Tenm2	0.00564006	0.00440223	0.00508743	-0.0006852	0.81500886	0.99999994
Lonrf1	0.02390654	0.02061504	0.02130038	-0.0006853	0.58479216	0.99999994
Gm10516	0.00470496	0.00356024	0.00424664	-0.0006864	0.85901468	0.99999994
Slc22a15	0.02553384	0.02203875	0.02272552	-0.0006868	0.57971142	0.99999994
Caps2	0.00683048	0.00546947	0.00615624	-0.0006868	0.7711268	0.99999994
Ccdc17	0.01497847	0.01273899	0.01342585	-0.0006869	0.63327398	0.99999994
Lmln	0.01363028	0.01154127	0.01222851	-0.0006872	0.64583124	0.99999994
Prr36	0.04452303	0.03844166	0.03912927	-0.0006876	0.54655805	0.99999994
6330403L08F	0.00317061	0.0021761	0.00286474	-0.0006886	0.94521052	0.99999994
Zscan2	0.07004242	0.05984755	0.06053689	-0.0006893	0.53020962	0.99999994
Gm11665	0.0012775	0.00046565	0.00115574	-0.0006901	0.99996474	0.99999994
Ube2t	0.01473116	0.01251561	0.01320638	-0.0006908	0.63614184	0.99999994
Sec14l4	0.00741033	0.00598506	0.00667623	-0.0006912	0.75462418	0.99999994
Spred1	0.01948811	0.01672311	0.01741514	-0.000692	0.60430337	0.99999994
Mpp1	0.01339086	0.01132177	0.01201565	-0.0006939	0.6496572	0.99999994
Gm16794	0.00494888	0.00377171	0.00446606	-0.0006943	0.84963734	0.99999994
Nipa2	0.26356771	0.19604582	0.19674095	-0.0006951	0.50938164	0.99999994
Pgap3	0.02707741	0.02337926	0.02407446	-0.0006952	0.5762139	0.99999994
Cldn8	0.0055375	0.0042998	0.00499527	-0.0006955	0.82296793	0.99999994
Casp8	0.05253697	0.04523375	0.04592929	-0.0006955	0.54014609	0.99999994
Gm13715	0.00174601	0.00088339	0.00157909	-0.0006957	0.99831937	0.99999994
Fyb	0.01288649	0.0108709	0.01156701	-0.0006961	0.65563706	0.99999994

Gtdc1	0.03860422	0.03336437	0.03406063	-0.0006963	0.5541158	0.99999994
4930426D05	0.00303149	0.00204279	0.0027393	-0.0006965	0.95472346	0.99999994
Sh3tc1	0.00347809	0.00244537	0.00314189	-0.0006965	0.92998005	0.99999994
Ltbp4	0.00519648	0.00399187	0.00468872	-0.0006969	0.83873857	0.99999994
AW112010	0.00186501	0.00098942	0.00168658	-0.0006972	0.99703368	0.99999994
Pbx4	0.02739267	0.02365219	0.02434964	-0.0006974	0.57560283	0.99999994
4930556G22	0.00228581	0.00136891	0.00206654	-0.0006976	0.98768192	0.99999994
Wdr12	0.18746617	0.14764008	0.1483379	-0.0006978	0.51249013	0.99999994
Amph	0.00817859	0.0066665	0.00736455	-0.0006981	0.73595566	0.99999994
Ttc23	0.01705664	0.01456917	0.01526724	-0.0006981	0.61956846	0.99999994
Slc16a11	0.01662047	0.01418302	0.01488119	-0.0006982	0.6225896	0.99999994
Gm42595	0.00551679	0.00427829	0.00497665	-0.0006984	0.824866	0.99999994
1700066M21	0.01422573	0.01205856	0.01275761	-0.000699	0.64234323	0.99999994
Cd34	0.00256992	0.00162342	0.00232295	-0.0006995	0.97749089	0.99999994
Slc25a40	0.01480018	0.0125672	0.01326763	-0.0007004	0.63735748	0.99999994
Tpcn2	0.01022044	0.00848977	0.00919047	-0.0007007	0.69409561	0.99999994
Hbegf	0.02944556	0.02543783	0.02613862	-0.0007008	0.57081956	0.99999994
Dnah8	0.00494461	0.00376071	0.00446222	-0.0007015	0.85232506	0.99999994
Atxn3	0.04098079	0.03539874	0.03610061	-0.0007019	0.55148411	0.99999994
Zfp619	0.00974088	0.00806016	0.00876208	-0.0007019	0.70306395	0.99999994
Snx29	0.03813065	0.03295135	0.03365336	-0.000702	0.55521684	0.99999994
Sfxn5	0.01363844	0.01153331	0.01223576	-0.0007024	0.64882023	0.99999994
Kcnh1	0.00132851	0.00049928	0.00120185	-0.0007026	0.99995011	0.99999994
Gm14419	0.00985676	0.00816208	0.00886562	-0.0007035	0.70132712	0.99999994
Tnfsf10	0.00193315	0.0010434	0.00174813	-0.0007047	0.99635614	0.99999994
Slc35f1	0.00432208	0.00319714	0.00390208	-0.0007049	0.88541753	0.99999994
Sfmbt2	0.0098077	0.00811625	0.00882178	-0.0007055	0.70275835	0.99999994
Layn	0.00788405	0.00639511	0.00710074	-0.0007056	0.74584463	0.99999994
Plcl2	0.02478261	0.02136225	0.022068	-0.0007057	0.58428755	0.99999994
Patz1	0.11887244	0.09856483	0.09927125	-0.0007064	0.51888982	0.99999994

Klf4	0.05781982	0.04966551	0.05037289	-0.0007074	0.53723645	0.99999994
Lgals7	0.00593106	0.0046403	0.00534886	-0.0007086	0.81104883	0.99999994
Rd3	0.00634354	0.00501054	0.00571925	-0.0007087	0.79526756	0.99999994
Gm19710	0.00477604	0.00360185	0.00431059	-0.0007087	0.86311707	0.99999994
Ntrk1	0.00807154	0.00655993	0.00726869	-0.0007088	0.7418471	0.99999994
Wdr31	0.04787189	0.04127081	0.04197959	-0.0007088	0.54474122	0.99999994
Napsa	0.00299162	0.00199455	0.00270335	-0.0007088	0.95952784	0.99999994
B4galt7	0.09916389	0.0834066	0.0841154	-0.0007088	0.52236489	0.99999994
Neil3	0.00249543	0.00154658	0.00225572	-0.0007091	0.9818072	0.99999994
Rmi2	0.00588195	0.00459498	0.00530475	-0.0007098	0.81343058	0.99999994
Fut10	0.00447228	0.00332747	0.00403727	-0.0007098	0.87905295	0.99999994
Fastkd5	0.02788346	0.02406632	0.02477778	-0.0007115	0.57578775	0.99999994
Klhl26	0.0553156	0.04755811	0.04827033	-0.0007122	0.53911896	0.99999994
Haus5	0.03237674	0.02797217	0.02868454	-0.0007124	0.56564882	0.99999994
Ric1	0.04468821	0.03855778	0.03927016	-0.0007124	0.54805532	0.99999994
Cndp1	0.01265092	0.01064454	0.01135737	-0.0007128	0.66194497	0.99999994
Asprv1	0.00655193	0.00519335	0.0059063	-0.0007129	0.78915334	0.99999994
Dact1	0.02604518	0.02245956	0.02317269	-0.0007131	0.58115464	0.99999994
4632428C04I	0.00131076	0.00047208	0.0011858	-0.0007137	0.99996917	0.99999994
Plppr4	0.00320324	0.00218041	0.00289416	-0.0007138	0.94966124	0.99999994
Zfp169	0.00847725	0.00691774	0.00763194	-0.0007142	0.73332863	0.99999994
Gcnt4	0.01225962	0.01029443	0.01100898	-0.0007146	0.66714428	0.99999994
Zfp420	0.02079677	0.01785302	0.01856827	-0.0007153	0.60118044	0.99999994
Serpini2	0.0106505	0.00885879	0.00957441	-0.0007156	0.69058789	0.99999994
Gng7	0.00817222	0.00664139	0.00735885	-0.0007175	0.74182106	0.99999994
Plekhn1	0.01055468	0.00877093	0.00948889	-0.000718	0.69274366	0.99999994
Tekt5	0.00525016	0.00401827	0.00473698	-0.0007187	0.843734	0.99999994
Fam221b	0.00834989	0.00679703	0.00751793	-0.0007209	0.73835523	0.99999994
Brca2	0.03614266	0.03121987	0.03194091	-0.000721	0.55972105	0.99999994
4930470P17I	0.00150019	0.00063517	0.001357	-0.0007218	0.99980047	0.99999994

Fbxo45	0.03655455	0.03157408	0.03229609	-0.000722	0.55914783	0.99999994
Gm15634	0.00177124	0.00087953	0.00160189	-0.0007224	0.99865735	0.99999994
Gm27168	0.00319849	0.00216715	0.00288987	-0.0007227	0.95201135	0.99999994
Dlgap1	0.00627174	0.00493131	0.0056548	-0.0007235	0.80278932	0.99999994
Syne1	0.05842083	0.05015088	0.05087647	-0.0007256	0.53781528	0.99999994
Agxt2	0.00124194	0.000398	0.0011236	-0.0007256	0.9999914	0.99999994
Ptprm	0.00449369	0.00333079	0.00405653	-0.0007257	0.88314748	0.99999994
Ube2w	0.58468862	0.34554374	0.3462695	-0.0007258	0.50556557	0.99999994
Cep95	0.04715971	0.04064845	0.04137449	-0.000726	0.54649268	0.99999994
Crb1	0.00246934	0.00150572	0.00223218	-0.0007265	0.98485626	0.99999994
Heatr1	0.01444661	0.01222727	0.01295376	-0.0007265	0.64554178	0.99999994
1700025G04	0.03299484	0.0284934	0.02922012	-0.0007267	0.56574339	0.99999994
Wrn	0.04066595	0.03510334	0.03583072	-0.0007274	0.55374474	0.99999994
Sla	0.00171692	0.00082529	0.00155282	-0.0007275	0.99909164	0.99999994
Gm42669	0.00139	0.00052956	0.00125743	-0.0007279	0.99994167	0.99999994
Slc35b1	0.74882117	0.3926137	0.39334159	-0.0007279	0.50491397	0.99999994
Rnf157	0.00901218	0.00738201	0.0081106	-0.0007286	0.72506267	0.99999994
Snapc1	0.07089308	0.06050953	0.06123827	-0.0007287	0.53156796	0.99999994
Gm7628	0.01005252	0.00831152	0.0090405	-0.000729	0.70427488	0.99999994
Cbx7	0.02422474	0.02084946	0.02157929	-0.0007298	0.5890582	0.99999994
Col28a1	0.00221609	0.00127362	0.0020036	-0.00073	0.99234868	0.99999994
Cnbd2	0.00833246	0.00677078	0.00750233	-0.0007315	0.74184886	0.99999994
Eya3	0.05873927	0.05041056	0.05114313	-0.0007326	0.53797953	0.99999994
Zfp940	0.01566849	0.01330503	0.01403782	-0.0007328	0.63588057	0.99999994
4933427D14	0.04093233	0.03532586	0.03605907	-0.0007332	0.55383206	0.99999994
Gm26810	0.00382767	0.00272294	0.00345687	-0.0007339	0.92120223	0.99999994
Gm13544	0.00430418	0.00315169	0.00388596	-0.0007343	0.89575687	0.99999994
Pcdhga9	0.00406481	0.00293568	0.00367045	-0.0007348	0.90865176	0.99999994
Incenp	0.02107401	0.01807745	0.01881231	-0.0007349	0.60257356	0.99999994
Snx9	0.07425756	0.06326942	0.06400477	-0.0007354	0.53047949	0.99999994

Rab42	0.00518299	0.00394107	0.00467659	-0.0007355	0.85242424	0.99999994
Itgb8	0.00566203	0.00437158	0.00510716	-0.0007356	0.8311487	0.99999994
Rab11fip4	0.026993	0.02326504	0.02400077	-0.0007357	0.58084091	0.99999994
Dynlt1b	0.00714119	0.00569871	0.00643493	-0.0007362	0.77683675	0.99999994
Gm26812	0.00129179	0.00043106	0.00116866	-0.0007376	0.99998672	0.99999994
Kcnh3	0.01045907	0.00866587	0.00940353	-0.0007377	0.69921984	0.99999994
Kxd1	0.25579934	0.19133172	0.19206947	-0.0007378	0.51019889	0.99999994
Zfp712	0.00539716	0.00413071	0.00486913	-0.0007384	0.84362212	0.99999994
Uox	0.00512921	0.00388903	0.00462823	-0.0007392	0.85613645	0.99999994
Arhgef6	0.00364625	0.00255396	0.00329343	-0.0007395	0.93248364	0.99999994
Fcgrt	0.01332032	0.01121291	0.01195293	-0.00074	0.65986693	0.99999994
Casp2	0.08752964	0.07406136	0.07480138	-0.00074	0.52625219	0.99999994
S100b	0.01042041	0.0086283	0.00936902	-0.0007407	0.70064408	0.99999994
Rapgef1	0.00766391	0.00616222	0.00690351	-0.0007413	0.76261806	0.99999994
Eefsec	0.12335227	0.10190442	0.10264594	-0.0007415	0.51917622	0.99999994
Fah	0.04350068	0.0375145	0.0382566	-0.0007421	0.55136824	0.99999994
Ipcef1	0.0050649	0.00382816	0.00457041	-0.0007422	0.86015363	0.99999994
Cd59b	0.01511849	0.01280744	0.01355008	-0.0007426	0.64237432	0.99999994
Zkscan7	0.0049813	0.00375257	0.00449522	-0.0007427	0.8642685	0.99999994
Mkln1os	0.01715666	0.01461192	0.01535573	-0.0007438	0.626435	0.99999994
Hyal2	0.16771272	0.13402041	0.13476519	-0.0007448	0.51467223	0.99999994
Rnd1	0.00137057	0.00049509	0.00123987	-0.0007448	0.99996811	0.99999994
Nrg2	0.00442087	0.00324618	0.00399099	-0.0007448	0.89292579	0.99999994
Plec	0.0545707	0.04689843	0.04764358	-0.0007451	0.5414573	0.99999994
Gm26542	0.00256156	0.0015696	0.0023154	-0.0007458	0.98398511	0.99999994
Paqr9	0.01133402	0.00943785	0.01018417	-0.0007463	0.68715256	0.99999994
P2rx1	0.0067892	0.0053722	0.0061192	-0.000747	0.79176793	0.99999994
Ccdc88b	0.00227209	0.00130604	0.00205415	-0.0007481	0.99232928	0.99999994
Foxj1	0.00760115	0.00609871	0.00684726	-0.0007485	0.76659342	0.99999994
1700008003	0.0167936	0.01428585	0.01503444	-0.0007486	0.62984141	0.99999994

Gm16308	0.00158446	0.00068378	0.00143315	-0.0007494	0.99974975	0.99999994
Gm42809	0.0049119	0.00368297	0.0044328	-0.0007498	0.86990967	0.99999994
Rap2a	0.03804782	0.032832	0.0335821	-0.0007501	0.55909628	0.99999994
Atp8b5	0.00516855	0.0039128	0.0046636	-0.0007508	0.85805657	0.99999994
Gm26620	0.00833138	0.00674948	0.00750135	-0.0007519	0.74767176	0.99999994
Lad1	0.0092304	0.00755363	0.00830576	-0.0007521	0.72666994	0.99999994
9330159F19I	0.00407686	0.00292814	0.00368129	-0.0007532	0.91337341	0.99999994
Arhgef25	0.01239958	0.01038034	0.01113361	-0.0007533	0.67377299	0.99999994
Manea	0.02831607	0.02440143	0.02515494	-0.0007535	0.5790204	0.99999994
Pbk	0.0089441	0.00729559	0.0080497	-0.0007541	0.73354895	0.99999994
A930024E05I	0.00422817	0.00306333	0.00381753	-0.0007542	0.90575376	0.99999994
Dzank1	0.00955219	0.00783924	0.00859345	-0.0007542	0.7204575	0.99999994
Pcdhga5	0.01119385	0.00930491	0.01005918	-0.0007543	0.691149	0.99999994
1700084E18I	0.01313322	0.01103189	0.01178652	-0.0007546	0.66500893	0.99999994
Irgm2	0.00373641	0.00261841	0.00337466	-0.0007563	0.93210796	0.99999994
Crtc2	0.05925257	0.05081637	0.05157273	-0.0007564	0.53888398	0.99999994
Gm15265	0.00298788	0.00194225	0.00269997	-0.0007577	0.96912309	0.99999994
Zfp641	0.00336795	0.00228442	0.00304263	-0.0007582	0.95141509	0.99999994
Itga2b	0.00881611	0.0071762	0.00793519	-0.000759	0.737833	0.99999994
Gnmt	0.00467809	0.00346282	0.00422247	-0.0007597	0.8844488	0.99999994
Gm6999	0.00250391	0.00150362	0.00226338	-0.0007598	0.98727129	0.99999994
Cftr	0.00210693	0.00114513	0.00190505	-0.0007599	0.99603677	0.99999994
Slc8a1	0.01181681	0.00985317	0.01061452	-0.0007613	0.68347606	0.99999994
Abtb2	0.0129623	0.01087252	0.01163446	-0.0007619	0.66855462	0.99999994
Zfp354a	0.01351151	0.01135976	0.01212293	-0.0007632	0.6624055	0.99999994
Zmat4	0.00221647	0.00124077	0.00200394	-0.0007632	0.99437743	0.99999994
Mpped2	0.16128531	0.12949038	0.13025435	-0.000764	0.51557113	0.99999994
Arl14ep	0.0716379	0.06108645	0.06185175	-0.0007653	0.53281983	0.99999994
Eya1	0.01548991	0.01311276	0.01387949	-0.0007667	0.64345583	0.99999994
4933406C10I	0.00519251	0.00391638	0.00468515	-0.0007688	0.86263046	0.99999994

Azin2	0.04134937	0.03564719	0.0364164	-0.0007692	0.55590745	0.99999994
Elf4	0.01627798	0.01380856	0.0145779	-0.0007693	0.63731327	0.99999994
Ms4a6c	0.00544132	0.0041387	0.00490882	-0.0007701	0.85182394	0.99999994
Egfl8	0.00748293	0.00597115	0.00674131	-0.0007702	0.77650898	0.99999994
Mex3d	0.04282164	0.03690574	0.03767633	-0.0007706	0.55414541	0.99999994
Hlcs	0.01451945	0.01224722	0.01301844	-0.0007712	0.65332923	0.99999994
Tmem151a	0.011127	0.00935555	0.01012708	-0.0007715	0.69396372	0.99999994
Cd7	0.00274212	0.00170608	0.0024783	-0.0007722	0.98096436	0.99999994
Ikzf3	0.00196969	0.00100866	0.00178112	-0.0007725	0.99805415	0.99999994
Atg4c	0.01615738	0.01369837	0.01447107	-0.0007727	0.63886352	0.99999994
A230065N10	0.00177533	0.00083251	0.00160558	-0.0007731	0.99932459	0.99999994
Gpr62	0.00479722	0.00355517	0.00432965	-0.0007745	0.88311017	0.99999994
Setd4	0.01754916	0.01492762	0.01570288	-0.0007753	0.62878119	0.99999994
Pik3cd	0.00280596	0.00175998	0.00253589	-0.0007759	0.97915738	0.99999994
Col27a1	0.0383643	0.0330746	0.03385433	-0.0007797	0.5609223	0.99999994
Lgr4	0.03520804	0.0303531	0.03113427	-0.0007812	0.56631888	0.99999994
Ism1	0.00379874	0.00264936	0.0034308	-0.0007814	0.93525856	0.99999994
Pdgfd	0.00490612	0.00364535	0.00442761	-0.0007823	0.88020869	0.99999994
Cdk15	0.00392164	0.00275799	0.00354151	-0.0007835	0.92957628	0.99999994
Ldlrap1	0.03613978	0.0311532	0.03193843	-0.0007852	0.56499674	0.99999994
Ankrd34b	0.00398272	0.00281027	0.00359652	-0.0007862	0.92718805	0.99999994
Stom	0.00522416	0.00392632	0.00471361	-0.0007873	0.86688181	0.99999994
Cyp4f16	0.09124574	0.07700406	0.07779147	-0.0007874	0.52685881	0.99999994
Sytl3	0.00339544	0.0022797	0.00306741	-0.0007877	0.95630654	0.99999994
B230317F23	0.01273964	0.0106486	0.01143633	-0.0007877	0.67669869	0.99999994
Cdcp1	0.04601235	0.03961003	0.04039843	-0.0007884	0.5516783	0.99999994
Stoml1	0.06284281	0.05377974	0.0545695	-0.0007898	0.53837237	0.99999994
Spic	0.00261228	0.00157138	0.00236117	-0.0007898	0.98700908	0.99999994
Gm4724	0.00298497	0.00190745	0.00269735	-0.0007899	0.97436752	0.99999994
Rnf169	0.02841573	0.02445126	0.02524179	-0.0007905	0.58256798	0.99999994

1810007C17I	0.00171696	0.00076191	0.00155286	-0.000791	0.99965108	0.99999994
Gm16104	0.00300588	0.00192477	0.0027162	-0.0007914	0.97377883	0.99999994
Eogt	0.01168145	0.00970177	0.01049389	-0.0007921	0.69232353	0.99999994
Cenpn	0.01029604	0.00846536	0.00925799	-0.0007926	0.71562157	0.99999994
Sik1	0.01889034	0.01609443	0.01688773	-0.0007933	0.62273925	0.99999994
Abcb6	0.0567192	0.04865602	0.04944965	-0.0007936	0.54253794	0.99999994
Top1mt	0.01799862	0.01530592	0.01610018	-0.0007943	0.62868649	0.99999994
Actg2	0.00176804	0.00080204	0.001599	-0.000797	0.99954601	0.99999994
Cabp2	0.00322282	0.00211485	0.00291181	-0.000797	0.96576012	0.99999994
Xylyt1	0.00591441	0.00453668	0.0053339	-0.0007972	0.84010359	0.99999994
Klhdc9	0.03806478	0.03279939	0.03359669	-0.0007973	0.5627586	0.99999994
Syng3	0.00317253	0.00206858	0.00286647	-0.0007979	0.96804576	0.99999994
Rnaseh2a	0.20387109	0.15848471	0.15928329	-0.0007986	0.5133111	0.99999994
Atcayos	0.00407178	0.00287796	0.00367672	-0.0007988	0.92592302	0.99999994
Myo5c	0.00425422	0.00304218	0.00384099	-0.0007988	0.91686907	0.99999994
Car6	0.00313553	0.00203404	0.00283311	-0.0007991	0.96976864	0.99999994
Ace2	0.00692351	0.00544052	0.0062397	-0.0007992	0.8030442	0.99999994
Poglut1	0.12444831	0.10266851	0.10346787	-0.0007994	0.52050665	0.99999994
Zfp759	0.01343128	0.0112522	0.01205159	-0.0007994	0.67058153	0.99999994
Ahnak	0.00667655	0.00521833	0.00601813	-0.0007998	0.81182012	0.99999994
Tnfaip3	0.00574095	0.0043779	0.00517808	-0.0008002	0.84816957	0.99999994
Rbm3os	0.00599128	0.00460242	0.00540295	-0.0008005	0.83799226	0.99999994
Chst14	0.01290107	0.01077889	0.01157999	-0.0008011	0.67741596	0.99999994
Cabp1	0.00731613	0.00579058	0.00659178	-0.0008012	0.79075639	0.99999994
Grid1	0.00296532	0.00187748	0.00267962	-0.0008021	0.97684665	0.99999994
Wdr83	0.22976013	0.17517161	0.17597399	-0.0008024	0.51210629	0.99999994
Zfp933	0.01274344	0.01063705	0.01143971	-0.0008027	0.67976496	0.99999994
Epdr1	0.03892985	0.03353747	0.03434052	-0.0008031	0.56184915	0.99999994
Gm10501	0.00437888	0.0031499	0.0039532	-0.0008033	0.91190652	0.99999994
4930518I15R	0.00808048	0.00647297	0.00727669	-0.0008037	0.76889417	0.99999994

Ap1ar	0.15375363	0.12410351	0.12490736	-0.0008039	0.51708455	0.99999994
Slpi	0.00471367	0.00345042	0.00425448	-0.0008041	0.8958025	0.99999994
Gpc6	0.01044031	0.00858265	0.00938679	-0.0008041	0.71573939	0.99999994
Gspt2	0.06851979	0.05847497	0.05927951	-0.0008045	0.53599176	0.99999994
Magi2	0.01701133	0.01442186	0.01522714	-0.0008053	0.63758869	0.99999994
Lacc1	0.00610974	0.00470351	0.00550933	-0.0008058	0.83486944	0.99999994
Rtel1	0.01648552	0.01395546	0.0147617	-0.0008062	0.64190272	0.99999994
Skida1	0.00919128	0.00746443	0.00827078	-0.0008063	0.74181517	0.99999994
Negr1	0.00225163	0.00122928	0.00203569	-0.0008064	0.99581563	0.99999994
Slc26a11	0.00426062	0.00304014	0.00384674	-0.0008066	0.91860397	0.99999994
Gm26802	0.00409232	0.00288823	0.00369522	-0.000807	0.92698138	0.99999994
Atg7	0.05305861	0.04556229	0.04636942	-0.0008071	0.54612015	0.99999994
Spata1	0.02462283	0.02112075	0.02192806	-0.0008073	0.59679658	0.99999994
Lrrc61	0.04728771	0.04067571	0.04148328	-0.0008076	0.55155135	0.99999994
Hipk2	0.18906051	0.14860666	0.14941457	-0.0008079	0.51435578	0.99999994
Tank	0.09212661	0.07768756	0.07849816	-0.0008106	0.5273999	0.99999994
St14	0.07885122	0.0669511	0.06776258	-0.0008115	0.53176702	0.99999994
Pde7b	0.0021837	0.00116263	0.00197435	-0.0008117	0.99689675	0.99999994
Pcdhb8	0.00557556	0.00421732	0.00502947	-0.0008122	0.85878165	0.99999994
Tmem71	0.00162651	0.0006576	0.00147114	-0.0008135	0.99988381	0.99999994
Kiss1r	0.00389279	0.00270168	0.00351552	-0.0008138	0.93833527	0.99999994
Ccl2	0.00178877	0.00080311	0.00161772	-0.0008146	0.99959865	0.99999994
2810405F17I	0.01229606	0.01022679	0.01104143	-0.0008146	0.68832568	0.99999994
Itga9	0.00884239	0.00714395	0.00795871	-0.0008148	0.75220044	0.99999994
Fbxl12	0.12277123	0.10139469	0.10220963	-0.0008149	0.52116299	0.99999994
Nxph3	0.00360158	0.00243791	0.00325318	-0.0008153	0.95235466	0.99999994
Zfp956	0.01534509	0.0129357	0.01375107	-0.0008154	0.6534628	0.99999994
Gss	0.14623937	0.1186922	0.11950761	-0.0008154	0.51811247	0.99999994
Sord	0.01269048	0.01057676	0.01139258	-0.0008158	0.68319877	0.99999994
Cela1	0.09893648	0.08311873	0.08393466	-0.0008159	0.52579634	0.99999994

Uba52	0.35762398	0.24805683	0.24887303	-0.0008162	0.50870822	0.99999994
Gramd4	0.00969655	0.00790617	0.00872247	-0.0008163	0.73333674	0.99999994
Rad50	0.06781663	0.05788157	0.05869801	-0.0008164	0.53688354	0.99999994
Lag3	0.01688232	0.01429482	0.01511297	-0.0008181	0.64070569	0.99999994
Prpf40a	0.77982969	0.39886765	0.39968849	-0.0008208	0.50545343	0.99999994
Cnp	0.16150399	0.12958763	0.1304086	-0.000821	0.51671239	0.99999994
Unc5c	0.01595887	0.0134734	0.01429518	-0.0008218	0.64901163	0.99999994
Dtx4	0.00521031	0.00387661	0.00470116	-0.0008245	0.87848969	0.99999994
Wbscr25	0.00674508	0.00525466	0.00607962	-0.000825	0.81679475	0.99999994
Nav3	0.00437416	0.00312311	0.00394896	-0.0008258	0.91804502	0.99999994
Ttll13	0.00908724	0.00735155	0.00817774	-0.0008262	0.74936194	0.99999994
Simc1	0.0318265	0.02738106	0.02820738	-0.0008263	0.57730078	0.99999994
6330418K02I	0.06586307	0.05625277	0.05707965	-0.0008269	0.53840931	0.99999994
Zkscan17	0.03055924	0.02628017	0.0271071	-0.0008269	0.58045495	0.99999994
Fmo5	0.00858077	0.00689767	0.0077246	-0.0008269	0.76194516	0.99999994
Klhl10	0.00380518	0.00260967	0.00343661	-0.0008269	0.94538864	0.99999994
Mrps2	0.10869395	0.09068364	0.09151095	-0.0008273	0.52399259	0.99999994
Stard8	0.00398885	0.00277436	0.00360204	-0.0008277	0.93693054	0.99999994
Fzr1	0.28440737	0.20815856	0.20898682	-0.0008283	0.51052313	0.99999994
Nup37	0.10609719	0.08868207	0.08951036	-0.0008283	0.52455746	0.99999994
Klhl18	0.02037335	0.01736523	0.0181954	-0.0008302	0.61932063	0.99999994
Tmem132a	0.14329076	0.11654008	0.11737032	-0.0008302	0.5187771	0.99999994
Thumpd2	0.02809397	0.02413046	0.02496133	-0.0008309	0.58767441	0.99999994
1110035H17	0.02074807	0.01769379	0.0185254	-0.0008316	0.61745545	0.99999994
Cdca3	0.01643918	0.01388904	0.01472066	-0.0008316	0.6465573	0.99999994
Pik3r5	0.00333949	0.00218514	0.00301698	-0.0008318	0.96676871	0.99999994
Fam168b	0.09130401	0.07700609	0.07783824	-0.0008322	0.52836556	0.99999994
Urb2	0.00914072	0.00739305	0.00822556	-0.0008325	0.74974732	0.99999994
S100g	0.00262329	0.00153851	0.0023711	-0.0008326	0.9902886	0.99999994
Lrp1	0.01101294	0.00906514	0.00989781	-0.0008327	0.7122515	0.99999994

Map3k8	0.00743993	0.00587009	0.00670277	-0.0008327	0.79585769	0.99999994
Anapc4	0.26380412	0.19604799	0.19688221	-0.0008342	0.51125017	0.99999994
Vwa1	0.02470955	0.02116919	0.02200401	-0.0008348	0.59968778	0.99999994
Asb11	0.00286166	0.00175059	0.00258614	-0.0008355	0.98424488	0.99999994
Snx32	0.02245129	0.01918741	0.02002328	-0.0008359	0.60944284	0.99999994
Slc5a10	0.00155515	0.00056993	0.00140667	-0.0008367	0.99996244	0.99999994
Pnoc	0.01202238	0.00995964	0.01079767	-0.000838	0.69728747	0.99999994
Efcab11	0.00397918	0.00275517	0.00359333	-0.0008382	0.93974331	0.99999994
Sfrp5	0.0054896	0.00411395	0.00495222	-0.0008383	0.87007255	0.99999994
Fabp4	0.00385999	0.00264767	0.00348598	-0.0008383	0.94528112	0.99999994
Ppp1r14d	0.0135392	0.01130893	0.01214755	-0.0008386	0.67707185	0.99999994
Mecom	0.01456182	0.01221656	0.01305605	-0.0008395	0.66567288	0.99999994
Col6a1	0.00234891	0.00128395	0.00212349	-0.0008395	0.99575154	0.99999994
Pfkfb3	0.00582743	0.00441622	0.00525577	-0.0008395	0.85617164	0.99999994
Ncmap	0.00637657	0.00490893	0.0057489	-0.00084	0.83461271	0.99999994
2310040G07	0.00157119	0.00058103	0.00142116	-0.0008401	0.99995839	0.99999994
Ccna2	0.01232407	0.01022561	0.01106638	-0.0008408	0.69347269	0.99999994
3300002I08R	0.01107484	0.00911192	0.00995303	-0.0008411	0.71311805	0.99999994
D630024D03	0.00245298	0.00137506	0.00221742	-0.0008424	0.99427453	0.99999994
Gm24362	0.00728532	0.00572056	0.00656416	-0.0008436	0.80384754	0.99999994
Med7	0.33710768	0.23732565	0.23816927	-0.0008436	0.50940511	0.99999994
Adora3	0.00492111	0.00359686	0.00444109	-0.0008442	0.89712497	0.99999994
Gm42670	0.0077478	0.00613419	0.00697868	-0.0008445	0.78972817	0.99999994
Nuf2	0.00815375	0.00649715	0.00734231	-0.0008452	0.77822131	0.99999994
Arhgef19	0.03014708	0.02590359	0.02674884	-0.0008453	0.5832983	0.99999994
Neb	0.00226929	0.00120593	0.00205163	-0.0008457	0.99696353	0.99999994
1110017D15	0.08933398	0.07540898	0.07625499	-0.000846	0.5294347	0.99999994
Mfsd8	0.03687823	0.03172883	0.03257506	-0.0008462	0.56864195	0.99999994
Vopp1	0.04498633	0.03867728	0.03952435	-0.0008471	0.55671909	0.99999994
Syt9	0.00859737	0.00689223	0.00773945	-0.0008472	0.76689584	0.99999994

Slc3a1	0.00356356	0.00237143	0.00321892	-0.0008475	0.96015729	0.99999994
Lrrc38	0.00274219	0.00163076	0.00247837	-0.0008476	0.98859134	0.99999994
Hpgds	0.02265206	0.01935134	0.02019962	-0.0008483	0.61008155	0.99999994
Rnft2	0.00353004	0.00234006	0.00318871	-0.0008486	0.96176411	0.99999994
Tm4sf1	0.00369668	0.00249013	0.00333886	-0.0008487	0.95468096	0.99999994
Prkd1	0.00249902	0.0014101	0.00225896	-0.0008489	0.9938131	0.99999994
Ank2	0.06324605	0.05405615	0.05490521	-0.0008491	0.54099228	0.99999994
Cdh13	0.00193363	0.00089903	0.00174856	-0.0008495	0.99938961	0.99999994
Cdc42ep2	0.00553226	0.00414073	0.00499056	-0.0008498	0.87149553	0.99999994
Rragd	0.03370033	0.02898007	0.0298309	-0.0008508	0.57528695	0.99999994
Ngp	0.00366175	0.00245632	0.00330739	-0.0008511	0.95662887	0.99999994
Eme2	0.01764825	0.014939	0.01579049	-0.0008515	0.64018006	0.99999994
H2-Q7	0.00367462	0.0024666	0.00331899	-0.0008524	0.95632091	0.99999994
Gm29394	0.00493488	0.00360107	0.00445347	-0.0008524	0.89867578	0.99999994
Cntnap2	0.00614488	0.00468794	0.00554088	-0.0008529	0.84723671	0.99999994
Slc16a13	0.02564683	0.02197075	0.02282435	-0.0008536	0.59829587	0.99999994
Fn3krp	0.0106232	0.00869641	0.00955005	-0.0008536	0.72407388	0.99999994
Tmem252	0.0061384	0.00468128	0.00553507	-0.0008538	0.84772922	0.99999994
Pola2	0.02489586	0.02131243	0.02216716	-0.0008547	0.60127877	0.99999994
Lysmd1	0.01655294	0.01396563	0.0148214	-0.0008558	0.64963254	0.99999994
Pcf11	0.16123961	0.12936589	0.13022212	-0.0008562	0.51745459	0.99999994
Hadhb	0.59951436	0.35059662	0.35145477	-0.0008581	0.50648367	0.99999994
Lrig1	0.01437023	0.01202679	0.01288594	-0.0008591	0.67140722	0.99999994
Rab17	0.01145057	0.00942846	0.01028808	-0.0008596	0.71095391	0.99999994
Tcof1	0.08566501	0.07243585	0.07329566	-0.0008598	0.53111936	0.99999994
Cabin1	0.14968953	0.12113488	0.12199504	-0.0008602	0.51871631	0.99999994
Extl3	0.06575112	0.05612588	0.05698679	-0.0008609	0.54004947	0.99999994
Csrnp1	0.02000436	0.01700826	0.01787028	-0.000862	0.62592758	0.99999994
Erf	0.08246218	0.0698382	0.07070088	-0.0008627	0.53236654	0.99999994
Gna14	0.00672282	0.00519572	0.00605964	-0.0008639	0.82868895	0.99999994

Fbxl19	0.04097518	0.03523147	0.03609579	-0.0008643	0.56331873	0.99999994
Gm44109	0.00344728	0.00224978	0.00311413	-0.0008643	0.96766394	0.99999994
Entpd6	0.02122599	0.0180816	0.01894604	-0.0008644	0.61932507	0.99999994
Inca1	0.01395912	0.01165539	0.01252075	-0.0008654	0.67725978	0.99999994
Ubox5	0.02104255	0.01791868	0.01878462	-0.0008659	0.6205211	0.99999994
Arhgef10l	0.02042315	0.01737322	0.01823926	-0.000866	0.62402126	0.99999994
Map3k3	0.01170976	0.00965218	0.01051912	-0.0008669	0.70835638	0.99999994
Ano7	0.00220871	0.0011289	0.00199694	-0.000868	0.99809469	0.99999994
Tmem161b	0.04304354	0.03699764	0.03786601	-0.0008684	0.56066216	0.99999994
A430078I02F	0.00391905	0.00267051	0.00353918	-0.0008687	0.94884521	0.99999994
Prickle1	0.01068416	0.00873528	0.00960446	-0.0008692	0.72654021	0.99999994
Zfp748	0.02162628	0.01842854	0.01929816	-0.0008696	0.61789186	0.99999994
Smg8	0.02168914	0.01848292	0.01935344	-0.0008705	0.61768409	0.99999994
Mgat4a	0.02073337	0.01764187	0.01851246	-0.0008706	0.62287117	0.99999994
4932438H23I	0.00973725	0.00788778	0.00875883	-0.000871	0.74600219	0.99999994
Tmem243	0.09099359	0.07671754	0.07758903	-0.0008715	0.52979926	0.99999994
Dock7	0.23787182	0.18018921	0.18106151	-0.0008723	0.51279131	0.99999994
Peli3	0.00784645	0.00619473	0.00706705	-0.0008723	0.79435642	0.99999994
Dock6	0.02814935	0.02413624	0.02500962	-0.0008734	0.59190571	0.99999994
Catsper4	0.00204864	0.00097875	0.00185241	-0.0008737	0.99915345	0.99999994
Mavs	0.05639484	0.04830309	0.04917731	-0.0008742	0.54709667	0.99999994
Gdf3	0.00181731	0.00076657	0.0016435	-0.0008769	0.9998086	0.99999994
1110002E22I	0.00274701	0.00160499	0.00248272	-0.0008777	0.99069478	0.99999994
Ighmbp2	0.02232599	0.01903497	0.0199132	-0.0008782	0.61545495	0.99999994
Xbp1	0.68288546	0.37686435	0.37774284	-0.0008785	0.50617549	0.99999994
Ctnnd2	0.0045755	0.00325027	0.00413016	-0.0008799	0.92191437	0.99999994
Cpa3	0.00714332	0.00555509	0.00643683	-0.0008817	0.81906681	0.99999994
2310015A10I	0.03786862	0.03254599	0.03342791	-0.0008819	0.56970042	0.99999994
Reg1	0.01063084	0.00867494	0.00955686	-0.0008819	0.73047919	0.99999994
Zfp131	0.14027401	0.11428939	0.11517302	-0.0008836	0.52036476	0.99999994

Spin1	0.16049472	0.12881248	0.12969614	-0.0008837	0.51808659	0.99999994
Haus8	0.0363385	0.03122601	0.03210981	-0.0008838	0.57268336	0.99999994
Pcgf5	0.07981899	0.06766735	0.06855142	-0.0008841	0.53420441	0.99999994
Rimk1a	0.00437193	0.0030628	0.00394695	-0.0008842	0.93202999	0.99999994
Plcg2	0.0030599	0.00187929	0.00276492	-0.0008856	0.98350024	0.99999994
Fam172a	0.13381236	0.10954441	0.11043038	-0.000886	0.52129475	0.99999994
Gm7102	0.00598458	0.00451072	0.00539693	-0.0008862	0.86280637	0.99999994
Ror1	0.00607578	0.0045924	0.00547884	-0.0008864	0.85924786	0.99999994
Zfp202	0.0048873	0.00352356	0.00441067	-0.0008871	0.90968038	0.99999994
Tlr3	0.00348645	0.00226169	0.00314943	-0.0008877	0.96968959	0.99999994
Aarsd1	0.01187685	0.00978015	0.01066802	-0.0008879	0.71020727	0.99999994
Gm15747	0.0038127	0.00255539	0.00344339	-0.000888	0.95697185	0.99999994
Mitf	0.02164393	0.01842548	0.01931368	-0.0008882	0.62024057	0.99999994
Idi1	0.07907526	0.06705682	0.06794528	-0.0008885	0.53467981	0.99999994
Nfkbie	0.00847228	0.00673838	0.0076275	-0.0008891	0.78110145	0.99999994
Lin37	0.24760568	0.18618798	0.18707775	-0.0008898	0.51262778	0.99999994
Zfp846	0.02041599	0.01734317	0.01823296	-0.0008898	0.6273474	0.99999994
Natd1	0.03927138	0.03374397	0.03463394	-0.00089	0.56790615	0.99999994
Zfp319	0.01984627	0.01683967	0.01773094	-0.0008913	0.6310329	0.99999994
Greb1l	0.00449703	0.00316823	0.00405954	-0.0008913	0.92805655	0.99999994
U2af2	0.4458139	0.29013793	0.29103034	-0.0008924	0.50814222	0.99999994
Ccdc71l	0.00907224	0.00727139	0.00816432	-0.0008929	0.76669393	0.99999994
Kcnj5	0.00305399	0.00186637	0.00275959	-0.0008932	0.98440051	0.99999994
Lyn	0.00740059	0.00577333	0.0066675	-0.0008942	0.81398254	0.99999994
Ppp6r2	0.01421798	0.01185648	0.01275072	-0.0008942	0.67968757	0.99999994
Gm11837	0.01631104	0.01371263	0.01460718	-0.0008946	0.65823051	0.99999994
Notch2	0.00934726	0.0075155	0.00841025	-0.0008948	0.76057607	0.99999994
Stradb	0.05797184	0.04960516	0.0505003	-0.0008951	0.546961	0.99999994
A830052D11	0.00301233	0.00182664	0.00272202	-0.0008954	0.98572107	0.99999994
Rhof	0.01044296	0.00849376	0.00938916	-0.0008954	0.73721479	0.99999994

2410080I02R	0.00160597	0.00055689	0.00145258	-0.0008957	0.99997974	0.99999994
Cdca2	0.00494305	0.00356385	0.00446082	-0.000897	0.90962399	0.99999994
Lcn2	0.00434322	0.0030225	0.0039211	-0.0008986	0.93642561	0.99999994
Chka	0.3606152	0.24950571	0.25040435	-0.0008986	0.50952907	0.99999994
C330002G04	0.00348886	0.00225183	0.00315161	-0.0008998	0.97130776	0.99999994
Shkbp1	0.15677511	0.12616002	0.12706022	-0.0009002	0.5188067	0.99999994
Vipr1	0.00181208	0.00073846	0.00163877	-0.0009003	0.99987236	0.99999994
Cttnbp2nl	0.05988646	0.05120203	0.05210286	-0.0009008	0.54581129	0.99999994
Abhd3	0.01959886	0.0166117	0.0175128	-0.0009011	0.63401084	0.99999994
Scoc	0.42213306	0.27939551	0.28029739	-0.0009019	0.50854356	0.99999994
Gm15420	0.01191602	0.00980104	0.01070291	-0.0009019	0.71256601	0.99999994
Wipf3	0.01245853	0.01028382	0.0111861	-0.0009023	0.70433365	0.99999994
Sh3rf1	0.0170312	0.01434232	0.01524472	-0.0009024	0.65321622	0.99999994
Gm5860	0.00156162	0.00051006	0.00141251	-0.0009025	0.99998944	0.99999994
Gm9958	0.00982713	0.00793667	0.00883915	-0.0009025	0.7516271	0.99999994
Tmem69	0.03444867	0.0295753	0.03047815	-0.0009028	0.57815642	0.99999994
Hcst	0.00214526	0.00103669	0.00193966	-0.000903	0.99902826	0.99999994
Sema4g	0.01062917	0.00865208	0.00955537	-0.0009033	0.73540392	0.99999994
Scn1b	0.00167575	0.00061208	0.00151563	-0.0009036	0.9999638	0.99999994
Gm11713	0.01777449	0.01499794	0.01590209	-0.0009042	0.64745702	0.99999994
Rab11fip2	0.17160921	0.13657238	0.13747715	-0.0009048	0.51747094	0.99999994
Nos3	0.00618144	0.0046672	0.00557371	-0.0009065	0.86050513	0.99999994
Senp7	0.15812363	0.12711002	0.12801768	-0.0009077	0.51882076	0.99999994
Ttc9	0.01661991	0.01397091	0.01488069	-0.0009098	0.65797951	0.99999994
Smc2os	0.0064025	0.00486239	0.00577218	-0.0009098	0.85294666	0.99999994
Slc27a3	0.01850742	0.01563909	0.01654966	-0.0009106	0.64290629	0.99999994
Il1r2	0.00890719	0.00710528	0.00801668	-0.0009114	0.77539961	0.99999994
Apba1	0.00627901	0.0047477	0.00566132	-0.0009136	0.85863297	0.99999994
Dnah2	0.00300827	0.00180403	0.00271836	-0.0009143	0.9874187	0.99999994
Kbtbd8	0.00376813	0.00248886	0.00340323	-0.0009144	0.96314489	0.99999994

Tcirg1	0.03783461	0.03248286	0.03339864	-0.0009158	0.57241088	0.99999994
Lgals4	0.00518304	0.00376009	0.00467663	-0.0009165	0.90397474	0.99999994
Gm15492	0.00703517	0.00542326	0.00633985	-0.0009166	0.83206215	0.99999994
Dennd1b	0.05365146	0.04595206	0.04686929	-0.0009172	0.55182188	0.99999994
Krt86	0.00414166	0.00282177	0.00373964	-0.0009179	0.9488459	0.99999994
Plp1	0.01938311	0.01640431	0.01732253	-0.0009182	0.63789306	0.99999994
Ddx19b	0.05052085	0.04330701	0.0442253	-0.0009183	0.55496398	0.99999994
Crym	0.01310907	0.01084649	0.01176504	-0.0009185	0.69835971	0.99999994
Shpk	0.01385056	0.01150493	0.01242429	-0.0009194	0.68883458	0.99999994
C4b	0.00545203	0.00399898	0.00491845	-0.0009195	0.89331689	0.99999994
Iqsec2	0.0059541	0.00444952	0.00536955	-0.00092	0.87296484	0.99999994
Brca1	0.00242123	0.00126824	0.00218876	-0.0009205	0.99744054	0.99999994
Nedd9	0.0069781	0.00536753	0.00628866	-0.0009211	0.83521675	0.99999994
Parp12	0.02013143	0.01706063	0.01798225	-0.0009216	0.63350496	0.99999994
Fam122b	0.01240791	0.01021922	0.01114103	-0.0009218	0.70909732	0.99999994
Dsel	0.01001752	0.00808741	0.00900923	-0.0009218	0.75208985	0.99999994
Nalcn	0.00571109	0.00422858	0.00515125	-0.0009227	0.88341845	0.99999994
Polrmt	0.0306909	0.02629875	0.0272215	-0.0009227	0.58925754	0.99999994
Mir17hg	0.0117479	0.0096295	0.01055311	-0.0009236	0.71990742	0.99999994
Gm17399	0.0036212	0.00234677	0.00327086	-0.0009241	0.96998423	0.99999994
Smad3	0.00832933	0.00657543	0.00749953	-0.0009241	0.79394835	0.99999994
Recql5	0.01926614	0.01629416	0.01721935	-0.0009252	0.63969429	0.99999994
Ankrd29	0.00276697	0.00157542	0.00250072	-0.0009253	0.99311017	0.99999994
Jmjd7	0.0464919	0.03988115	0.04080656	-0.0009254	0.55999397	0.99999994
2810021J22F	0.03107829	0.02663209	0.02755797	-0.0009259	0.58848038	0.99999994
Gm15952	0.0052318	0.00379405	0.00472048	-0.0009264	0.90428448	0.99999994
Vcl	0.02855831	0.02443947	0.02536603	-0.0009266	0.59605149	0.99999994
Lhx6	0.00529476	0.00385025	0.00477708	-0.0009268	0.90172403	0.99999994
Zfp953	0.00687291	0.00526677	0.0061943	-0.0009275	0.84055011	0.99999994
Wdr54	0.02625949	0.02243095	0.02336002	-0.0009291	0.60439363	0.99999994

Mtmr9	0.02887677	0.02471337	0.02564344	-0.0009301	0.59538627	0.99999994
Vsig10l	0.00605692	0.00453174	0.0054619	-0.0009302	0.87151431	0.99999994
Ky	0.00708237	0.00545064	0.00638217	-0.0009315	0.83436413	0.99999994
Phactr2	0.01437272	0.01195588	0.01288815	-0.0009323	0.68491531	0.99999994
Grwd1	0.07359201	0.06252606	0.06345847	-0.0009324	0.53895584	0.99999994
Ccdc159	0.010832	0.00880292	0.00973638	-0.0009335	0.73831796	0.99999994
Coq10a	0.04332823	0.03717515	0.03810928	-0.0009341	0.56480393	0.99999994
B3galt2	0.00487094	0.0034617	0.00439596	-0.0009343	0.92141367	0.99999994
Ccl4	0.00950985	0.00762128	0.00855556	-0.0009343	0.76635962	0.99999994
C130080G10	0.00503855	0.00361223	0.00454671	-0.0009345	0.9143563	0.99999994
Orai2	0.04462417	0.03827687	0.03921554	-0.0009387	0.56329437	0.99999994
Rab11fip3	0.01381922	0.01145733	0.01239644	-0.0009391	0.69296199	0.99999994
Zfp397	0.15951054	0.12806063	0.12900023	-0.0009396	0.51933436	0.99999994
Scara3	0.01280307	0.01055309	0.01149278	-0.0009397	0.70686487	0.99999994
Lmtk3	0.01061476	0.00860239	0.00954252	-0.0009401	0.74401818	0.99999994
Col5a2	0.00389877	0.0025788	0.00352091	-0.0009421	0.96255063	0.99999994
Apaf1	0.02526235	0.02154559	0.02248797	-0.0009424	0.60985542	0.99999994
Malt1	0.01208694	0.00991249	0.01085518	-0.0009427	0.71838603	0.99999994
Tmem39b	0.08064501	0.06828123	0.06922393	-0.0009427	0.53611341	0.99999994
D630033O11	0.0040252	0.00269186	0.00363478	-0.0009429	0.95789443	0.99999994
Ss18l1	0.01746962	0.01468958	0.01563255	-0.000943	0.65597912	0.99999994
Ccdc113	0.01622361	0.0135866	0.01452974	-0.0009431	0.66715477	0.99999994
1190005I06R	0.01729304	0.01453268	0.01547637	-0.0009437	0.65758512	0.99999994
Zfp59	0.00886111	0.0070307	0.00797545	-0.0009448	0.78479605	0.99999994
Asphd2	0.00734234	0.00567034	0.00661528	-0.0009449	0.82914905	0.99999994
Asap1	0.18674915	0.14690691	0.14785279	-0.0009459	0.5169834	0.99999994
Zfp689	0.02982104	0.02551941	0.02646531	-0.0009459	0.59402282	0.99999994
Gm26881	0.02251667	0.01913326	0.02008071	-0.0009475	0.62326309	0.99999994
5033403F01l	0.00496868	0.00353626	0.00448387	-0.0009476	0.92024803	0.99999994
L1cam	0.0055679	0.00407433	0.00502258	-0.0009483	0.89557109	0.99999994

Guca2a	0.00571311	0.00420452	0.00515307	-0.0009485	0.88976205	0.99999994
Ptges3l	0.03515874	0.03014286	0.03109169	-0.0009488	0.58048462	0.99999994
Mul1	0.14287597	0.11611977	0.11706884	-0.0009491	0.52151739	0.99999994
Gm15491	0.00819579	0.0064305	0.00737996	-0.0009495	0.8041027	0.99999994
Hcn4	0.00483551	0.00341391	0.00436409	-0.0009502	0.92636891	0.99999994
Prr15	0.00514963	0.00369641	0.0046466	-0.0009502	0.91327045	0.99999994
Pqlc3	0.01058047	0.00856169	0.0095119	-0.0009502	0.74695895	0.99999994
Unc5b	0.01289495	0.01062427	0.01157454	-0.0009503	0.70763412	0.99999994
Stk25	0.24346878	0.18358114	0.18453226	-0.0009511	0.51368427	0.99999994
Ccdc138	0.01241799	0.01019748	0.01115001	-0.0009525	0.71520084	0.99999994
Myo19	0.01001254	0.00805219	0.00900479	-0.0009526	0.75933329	0.99999994
Mrto4	0.22765176	0.17368594	0.17464082	-0.0009549	0.5145163	0.99999994
Tesk2	0.01146514	0.00934609	0.01030107	-0.000955	0.73141403	0.99999994
6430550D23	0.00674513	0.00512359	0.00607966	-0.0009561	0.85239472	0.99999994
Rrp12	0.0161496	0.01350797	0.01446417	-0.0009562	0.67004606	0.99999994
Lgals3	0.02119194	0.01795959	0.01891608	-0.0009565	0.63178345	0.99999994
2310074N15	0.00490131	0.00346645	0.00442328	-0.0009568	0.92504941	0.99999994
Pacsin2	0.06926691	0.05893963	0.05989679	-0.0009572	0.54235573	0.99999994
Cspg5	0.01154815	0.00941784	0.01037507	-0.0009572	0.73043588	0.99999994
D130043K22	0.00201272	0.0008617	0.00181998	-0.0009583	0.99977153	0.99999994
H2-Q6	0.00518831	0.00372253	0.00468137	-0.0009588	0.91361553	0.99999994
Ccdc40	0.01167285	0.00952724	0.01048622	-0.000959	0.7286503	0.99999994
Arl6ip5	0.61815268	0.35682802	0.35778769	-0.0009597	0.5071223	0.99999994
Kctd14	0.00976614	0.00782468	0.00878466	-0.00096	0.76650778	0.99999994
Rbm41	0.01564934	0.01306008	0.01402084	-0.0009608	0.6758468	0.99999994
Trdmt1	0.02629659	0.02243121	0.02339245	-0.0009612	0.60777371	0.99999994
Zfp763	0.02595261	0.02212958	0.02309176	-0.0009622	0.60924645	0.99999994
Vangl2	0.10252876	0.08578493	0.08674735	-0.0009624	0.52943474	0.99999994
Mfsd5	0.04957072	0.04245737	0.04342071	-0.0009633	0.55870217	0.99999994
Naa16	0.10735615	0.08951784	0.09048134	-0.0009635	0.52825388	0.99999994

Paupar	0.00377376	0.00244476	0.00340831	-0.0009635	0.970067	0.99999994
Clic5	0.00179062	0.00065517	0.00161939	-0.0009642	0.99996304	0.99999994
Dtx1	0.01660095	0.01389938	0.01486391	-0.0009645	0.66710493	0.99999994
Klhl25	0.02986776	0.02554142	0.02650595	-0.0009645	0.59569449	0.99999994
Srrm4os	0.00397629	0.00262605	0.00359072	-0.0009647	0.96313399	0.99999994
1700010I14R	0.04135634	0.03545755	0.03642237	-0.0009648	0.56998138	0.99999994
Osbpl7	0.01444929	0.0119913	0.01295614	-0.0009648	0.68994468	0.99999994
ltpkc	0.01826868	0.01537354	0.0163388	-0.0009653	0.65292931	0.99999994
Pnlsr	0.64695959	0.36617944	0.36714483	-0.0009654	0.50698217	0.99999994
Ino80c	0.06012345	0.05133458	0.05230095	-0.0009664	0.54894263	0.99999994
Golt1a	0.00296908	0.00171603	0.00268302	-0.000967	0.99178066	0.99999994
Nin	0.01804429	0.0151735	0.01614055	-0.000967	0.65498307	0.99999994
Cpxm2	0.02199575	0.01865447	0.019623	-0.0009685	0.6287469	0.99999994
C030034I22R	0.02617616	0.02231741	0.02328719	-0.0009698	0.60918701	0.99999994
Nxpe4	0.00952134	0.00759604	0.00856587	-0.0009698	0.77446574	0.99999994
Vwa5b1	0.00928889	0.00738774	0.00835806	-0.0009703	0.78016859	0.99999994
Rhebl1	0.03051305	0.02609592	0.02706696	-0.000971	0.59436933	0.99999994
Scn2b	0.00699077	0.00532872	0.00630002	-0.0009713	0.8476095	0.99999994
Nop2	0.08146849	0.06892137	0.06989366	-0.0009723	0.53688829	0.99999994
Cldn2	0.00714719	0.00546721	0.00644031	-0.0009731	0.84272899	0.99999994
E430018J23F	0.02565813	0.02186018	0.02283424	-0.0009741	0.61177413	0.99999994
Adcy5	0.01253467	0.0102788	0.01125389	-0.0009751	0.71794106	0.99999994
Phldb1	0.02264941	0.01921998	0.02019729	-0.0009773	0.62630777	0.99999994
Gm15473	0.00378559	0.00244141	0.00341896	-0.0009775	0.97149179	0.99999994
Jak3	0.00691847	0.00525747	0.00623517	-0.0009777	0.8516995	0.99999994
Cd14	0.00940691	0.0074852	0.00846358	-0.0009784	0.77919329	0.99999994
Spata33	0.01566351	0.01305462	0.0140334	-0.0009788	0.67876849	0.99999994
Lrrc20	0.01170017	0.0095308	0.01051058	-0.0009798	0.7325339	0.99999994
Dpp7	0.04718202	0.04041312	0.04139345	-0.0009803	0.56263156	0.99999994
Oxsr1	0.06297549	0.05369963	0.05467998	-0.0009803	0.5474972	0.99999994

Ppp1r3d	0.0024142	0.00120073	0.00218242	-0.0009817	0.99862387	0.99999994
Tpm2	0.00510456	0.00362409	0.00460607	-0.000982	0.92206241	0.99999994
Mzf1	0.02360357	0.02005266	0.0210347	-0.000982	0.62200872	0.99999994
Pdlim3	0.01047454	0.00843407	0.00941735	-0.0009833	0.75647151	0.99999994
Fzd5	0.0034992	0.00217759	0.00316092	-0.0009833	0.98080748	0.99999994
Med30	0.33203251	0.23448262	0.23546638	-0.0009838	0.51109311	0.99999994
Dpp10	0.00648608	0.0048634	0.0058472	-0.0009838	0.86862946	0.99999994
Hyal3	0.01048577	0.00844308	0.00942737	-0.0009843	0.75646526	0.99999994
Hinfp	0.01478509	0.01226934	0.01325423	-0.0009849	0.68956569	0.99999994
Zfp27	0.01481742	0.01229742	0.01328293	-0.0009855	0.68929794	0.99999994
Gpr179	0.00703083	0.0053491	0.00633595	-0.0009868	0.85007463	0.99999994
Cdk1	0.03018607	0.02579569	0.02678274	-0.000987	0.59689296	0.99999994
Gm14325	0.01449633	0.01200934	0.01299791	-0.0009886	0.69366045	0.99999994
Ipo11	0.0200312	0.01690498	0.01789393	-0.0009889	0.643518	0.99999994
C2	0.0037681	0.00241164	0.0034032	-0.0009916	0.97377385	0.99999994
Tmem79	0.0121103	0.0098836	0.01087599	-0.0009924	0.72819719	0.99999994
Gm14418	0.0243636	0.02070744	0.02170097	-0.0009935	0.61971948	0.99999994
Card14	0.0026267	0.00138036	0.00237418	-0.0009938	0.99733437	0.99999994
Catip	0.00489426	0.00342271	0.00441693	-0.0009942	0.9329736	0.99999994
Klhl11	0.01841003	0.01546935	0.01646365	-0.0009943	0.65615846	0.99999994
Cobl	0.00892783	0.00704015	0.00803515	-0.000995	0.79510345	0.99999994
4930532G15	0.00793883	0.00615441	0.00714982	-0.0009954	0.82296004	0.99999994
Grk4	0.01200159	0.00978247	0.01077916	-0.0009967	0.73088055	0.99999994
Slc5a6	0.01378305	0.01136697	0.0123643	-0.0009973	0.70433763	0.99999994
Nek5	0.00739991	0.00566932	0.00666689	-0.0009976	0.84037345	0.99999994
Irak4	0.01244117	0.01017193	0.01117064	-0.0009987	0.72411659	0.99999994
Rnf215	0.16937773	0.1349273	0.13592612	-0.0009988	0.5195055	0.99999994
Ndufa4l2	0.00566868	0.00411403	0.00511315	-0.0009991	0.90331389	0.99999994
Agr2	0.00269845	0.00143882	0.00243891	-0.0010001	0.99682823	0.99999994
Adcy3	0.00883399	0.00695088	0.0079512	-0.0010003	0.79881975	0.99999994

Nme6	0.11674335	0.09665831	0.09765876	-0.0010005	0.5271829	0.99999994
Atp11c	0.00845099	0.00660786	0.00760843	-0.0010006	0.80931387	0.99999994
Mcm8	0.00856618	0.00671052	0.00771154	-0.001001	0.8062204	0.99999994
Gm26876	0.00619977	0.00458906	0.00559017	-0.0010011	0.88337875	0.99999994
Zdhhc1	0.07535754	0.06390549	0.06490664	-0.0010012	0.54088804	0.99999994
Svopl	0.00327425	0.00195683	0.00295817	-0.0010013	0.98787619	0.99999994
Mamstr	0.02436442	0.02069893	0.02170169	-0.0010028	0.62079401	0.99999994
Pold1	0.01998966	0.01685425	0.01785732	-0.0010031	0.64575881	0.99999994
Tmem140	0.00407097	0.0026717	0.00367599	-0.0010043	0.96550888	0.99999994
Top3a	0.01493814	0.01238549	0.01339006	-0.0010046	0.69124439	0.99999994
Cx3cl1	0.01961196	0.01651965	0.01752435	-0.0010047	0.64862926	0.99999994
Ranbp17	0.00788594	0.00609718	0.00710244	-0.0010053	0.82693435	0.99999994
Gm20632	0.00557467	0.00402273	0.00502867	-0.0010059	0.90849346	0.99999994
Zfp964	0.00539548	0.00386138	0.00486762	-0.0010062	0.91559003	0.99999994
Cntd1	0.0046211	0.00316489	0.00417119	-0.0010063	0.94584591	0.99999994
Erc1	0.12712734	0.1044644	0.10547076	-0.0010064	0.52532087	0.99999994
Tmem220	0.01373954	0.01131879	0.01232562	-0.0010068	0.70668787	0.99999994
Chsy1	0.00903092	0.00711663	0.00812736	-0.0010107	0.79610487	0.99999994
Pitpnc1	0.1540496	0.12410707	0.12511871	-0.0010116	0.52146065	0.99999994
Gm26826	0.00539542	0.00385539	0.00486757	-0.0010122	0.91684186	0.99999994
Amn1	0.31740731	0.22653854	0.22755102	-0.0010125	0.51181389	0.99999994
Gm26652	0.00479942	0.00331846	0.00433162	-0.0010132	0.94025471	0.99999994
Orai1	0.05646337	0.0482213	0.04923486	-0.0010136	0.55449601	0.99999994
Npl	0.00793079	0.00612902	0.00714261	-0.0010136	0.82756513	0.99999994
Fam120c	0.01256464	0.01026678	0.01128057	-0.0010138	0.72515007	0.99999994
Kctd1	0.03876999	0.03318838	0.03420313	-0.0010147	0.5782751	0.99999994
Evpl	0.03217997	0.02749837	0.02851393	-0.0010156	0.59370137	0.99999994
Frrs1	0.13441191	0.10985569	0.11087252	-0.0010168	0.52433883	0.99999994
Pusl1	0.05976419	0.05098324	0.05200064	-0.0010174	0.55180877	0.99999994
Cep57	0.20360601	0.15809098	0.15910871	-0.0010177	0.51698073	0.99999994

Mex3c	0.04850228	0.041496	0.04251473	-0.0010187	0.563362	0.99999994
Ulk2	0.04354412	0.03727481	0.03829371	-0.0010189	0.5702882	0.99999994
Zbtb3	0.01735021	0.01450744	0.01552694	-0.0010195	0.66896523	0.99999994
Galnt4	0.01169596	0.00948713	0.01050682	-0.0010197	0.74086115	0.99999994
Alox5ap	0.01822523	0.01528009	0.01630042	-0.0010203	0.66153493	0.99999994
Glb1l	0.01093614	0.00880784	0.0098293	-0.0010215	0.75544598	0.99999994
Gar1	0.30756057	0.22109255	0.222115	-0.0010224	0.5122219	0.99999994
Stk26	0.00261177	0.00133824	0.0023607	-0.0010225	0.99803033	0.99999994
Zfp273	0.00918698	0.00724408	0.00826693	-0.0010229	0.79491066	0.99999994
Tab3	0.031219	0.0266572	0.02768016	-0.001023	0.5971567	0.99999994
Dda1	0.53485083	0.32685019	0.327874	-0.0010238	0.50829142	0.99999994
Zfp24	0.2049758	0.15898569	0.16001	-0.0010243	0.51699412	0.99999994
Eno2	0.01176552	0.00954361	0.01056881	-0.0010252	0.74075825	0.99999994
Rab11fip5	0.0073845	0.00562759	0.00665308	-0.0010255	0.84755394	0.99999994
Eln	0.00759567	0.00581674	0.00684235	-0.0010256	0.84079618	0.99999994
Palmd	0.00386993	0.00246723	0.00349493	-0.0010277	0.97484597	0.99999994
Dnm1l	0.22246444	0.17031377	0.1713416	-0.0010278	0.5159254	0.99999994
Tox4	0.31047948	0.22270743	0.22373553	-0.0010281	0.51220056	0.99999994
Msh3	0.09630969	0.08081504	0.08184323	-0.0010282	0.53332197	0.99999994
Smad2	0.14292218	0.11607408	0.11710243	-0.0010284	0.52330645	0.99999994
Rfx1	0.01750897	0.01463878	0.01566734	-0.0010286	0.66894016	0.99999994
Atp8b2	0.00726755	0.00551942	0.00654823	-0.0010288	0.85217373	0.99999994
Sv2b	0.00346291	0.00209803	0.00312821	-0.0010302	0.98581306	0.99999994
Gpld1	0.004983	0.00346342	0.00449675	-0.0010333	0.93694216	0.99999994
Neur12	0.00767109	0.00587545	0.00690994	-0.0010345	0.84050172	0.99999994
Erich6	0.00353476	0.00215809	0.00319297	-0.0010349	0.98451302	0.99999994
Tcp11l1	0.12181527	0.10045589	0.10149087	-0.001035	0.52705942	0.99999994
Nr1h3	0.00672607	0.00502715	0.00606256	-0.0010354	0.87219307	0.99999994
1700054A03	0.00426515	0.00281281	0.00385082	-0.001038	0.96361425	0.99999994
Slc18b1	0.01738987	0.0145239	0.01556201	-0.0010381	0.67149034	0.99999994

Ifih1	0.00731946	0.00555646	0.00659476	-0.0010383	0.85267985	0.99999994
Gmeb1	0.08525143	0.07192272	0.0729612	-0.0010385	0.53774013	0.99999994
Miip	0.01971312	0.01657298	0.01761355	-0.0010406	0.65293014	0.99999994
Nup54	0.10364756	0.08657417	0.08761536	-0.0010412	0.53152415	0.99999994
Zfp81	0.05233071	0.04471243	0.04575517	-0.0010427	0.56028662	0.99999994
Syde2	0.02608761	0.02216458	0.02320979	-0.0010452	0.61781848	0.99999994
Zfp354c	0.02362482	0.0200081	0.02105334	-0.0010452	0.6294777	0.99999994
Gm9530	0.00300692	0.00167118	0.00271714	-0.001046	0.99480162	0.99999994
Dzip1l	0.01583054	0.0131341	0.01418146	-0.0010474	0.68849783	0.99999994
Zfp217	0.02868866	0.02443059	0.0254796	-0.001049	0.60797581	0.99999994
Abcd4	0.01758055	0.01468134	0.01573064	-0.0010493	0.67148108	0.99999994
Enkur	0.00461215	0.00311382	0.00416314	-0.0010493	0.95330071	0.99999994
Rnf180	0.00505908	0.00351534	0.00456517	-0.0010498	0.93708237	0.99999994
Irgm1	0.00726323	0.0054944	0.00654435	-0.00105	0.85722226	0.99999994
Agbl3	0.02446223	0.02073615	0.02178738	-0.0010512	0.62595751	0.99999994
Mterf2	0.05015014	0.04286021	0.0439115	-0.0010513	0.56330764	0.99999994
Gm17300	0.00669788	0.00498419	0.00603727	-0.0010531	0.87719203	0.99999994
Gm5786	0.00805966	0.00620468	0.00725805	-0.0010534	0.83298811	0.99999994
2700097O09	0.16483698	0.13169835	0.13275273	-0.0010544	0.52108144	0.99999994
Tbp	0.07964635	0.06735586	0.06841076	-0.0010549	0.5408766	0.99999994
Emp3	0.01702834	0.01418618	0.01524219	-0.001056	0.67766042	0.99999994
Cd96	0.0031756	0.00181316	0.00286923	-0.0010561	0.99285695	0.99999994
1700017B05	0.01678128	0.01396714	0.01502354	-0.0010564	0.68012645	0.99999994
Cnot11	0.20155386	0.15669657	0.15775476	-0.0010582	0.51780659	0.99999994
Serp2	0.03227142	0.02753491	0.02859323	-0.0010583	0.59730271	0.99999994
Dclre1a	0.02513699	0.02131978	0.02237826	-0.0010585	0.62355891	0.99999994
Polm	0.01398521	0.01148503	0.01254394	-0.0010589	0.71290972	0.99999994
Map2k4	0.13824901	0.11263301	0.11369207	-0.0010591	0.52472049	0.99999994
Zkscan4	0.00912732	0.00715349	0.00821358	-0.0010601	0.80485751	0.99999994
Spata2	0.01162026	0.00937921	0.01043936	-0.0010601	0.75047038	0.99999994

Odf2l	0.08831482	0.07437376	0.07543435	-0.0010606	0.53728133	0.99999994
Dok7	0.02500042	0.02119802	0.02225871	-0.0010607	0.62445184	0.99999994
Arhgef5	0.03048889	0.02598512	0.02704596	-0.0010608	0.60298697	0.99999994
Tpra1	0.06203145	0.05283254	0.05389349	-0.001061	0.55212738	0.99999994
Ankrd42	0.02165351	0.01825668	0.01932211	-0.0010654	0.64320233	0.99999994
Padi1	0.01342416	0.01097947	0.01204526	-0.0010658	0.72205945	0.99999994
Mapkapk5	0.01198902	0.00970214	0.01076796	-0.0010658	0.7450043	0.99999994
Rnf123	0.03626049	0.03097648	0.03204253	-0.0010661	0.58763159	0.99999994
Efr3b	0.00480887	0.0032739	0.00434013	-0.0010662	0.94900096	0.99999994
Rps2-ps6	0.00905012	0.0070782	0.00814454	-0.0010663	0.80825763	0.99999994
Jrk	0.01926638	0.01615287	0.01721955	-0.0010667	0.65995297	0.99999994
4732440D04	0.02900046	0.02468196	0.02575116	-0.0010692	0.60886953	0.99999994
Noc3l	0.05578708	0.04759641	0.04866672	-0.0010703	0.55819327	0.99999994
Gm38102	0.0076531	0.00582241	0.00689382	-0.0010714	0.8495508	0.99999994
Pnma2	0.00963289	0.00759305	0.00866557	-0.0010725	0.7949849	0.99999994
Slc44a4	0.00746579	0.00565281	0.00672594	-0.0010731	0.85588876	0.99999994
Fkbp7	0.0425919	0.03640641	0.03747988	-0.0010735	0.57559907	0.99999994
Taf8	0.05949211	0.0506996	0.05177311	-0.0010735	0.55488751	0.99999994
Bbs7	0.05236171	0.04470694	0.04578133	-0.0010744	0.56206672	0.99999994
Rsph3b	0.00798564	0.00611655	0.00719174	-0.0010752	0.84016811	0.99999994
St8sia3	0.10236099	0.08554173	0.08661705	-0.0010753	0.53292968	0.99999994
Sfxn3	0.04211005	0.03599137	0.03706768	-0.0010763	0.57662899	0.99999994
Synpo	0.0083107	0.00640582	0.00748285	-0.001077	0.83098502	0.99999994
AW011738	0.00310668	0.00172955	0.0028071	-0.0010776	0.99469292	0.99999994
Zfp553	0.15306402	0.12333626	0.12441453	-0.0010783	0.52300186	0.99999994
Umps	0.30008914	0.21685393	0.21793259	-0.0010787	0.51314103	0.99999994
Pde6c	0.00734873	0.00554191	0.00662101	-0.0010791	0.86100854	0.99999994
Mycbpap	0.01643472	0.0136376	0.01471671	-0.0010791	0.68725324	0.99999994
Kifap3	0.23335269	0.17715615	0.17823531	-0.0010792	0.51607398	0.99999994
Ccl25	0.07835887	0.06628095	0.06736089	-0.0010799	0.54249263	0.99999994

Fancf	0.01055103	0.00840538	0.00948563	-0.0010803	0.77578849	0.99999994
Bend4	0.00376563	0.00231962	0.00340098	-0.0010814	0.98284554	0.99999994
Arhgef18	0.02719416	0.02309484	0.02417638	-0.0010815	0.61706268	0.99999994
Rnf208	0.09231995	0.07757125	0.07865316	-0.0010819	0.53647656	0.99999994
Mbtd1	0.21280141	0.16403773	0.16512002	-0.0010823	0.51740012	0.99999994
Gab3	0.00259215	0.00126056	0.002343	-0.0010824	0.99894807	0.99999994
Mettl16	0.23809166	0.18011592	0.18119843	-0.0010825	0.51586016	0.99999994
Sema3b	0.00473685	0.00319193	0.00427534	-0.0010834	0.95417762	0.99999994
4732414G09	0.00847489	0.00654576	0.00762983	-0.0010841	0.82786306	0.99999994
Zfyve26	0.00922316	0.00721342	0.00829929	-0.0010859	0.80809736	0.99999994
Rabep1	0.3016	0.21769621	0.21878236	-0.0010861	0.51318085	0.99999994
Crlf3	0.03364966	0.02870065	0.02978705	-0.0010864	0.59590937	0.99999994
Cand2	0.02778646	0.02360609	0.02469318	-0.0010871	0.61525347	0.99999994
E230013L22F	0.00288322	0.00151771	0.00260558	-0.0010879	0.99727475	0.99999994
Naa40	0.06440741	0.05478138	0.05587108	-0.0010897	0.55164754	0.99999994
Lipt1	0.03056787	0.02602478	0.0271146	-0.0010898	0.60547282	0.99999994
4833445I07R	0.00353358	0.00210194	0.0031919	-0.00109	0.98848712	0.99999994
Ccl3	0.00748336	0.00565066	0.00674169	-0.001091	0.85930988	0.99999994
Ankrd31	0.00661388	0.00487052	0.0059619	-0.0010914	0.88848301	0.99999994
Tssk6	0.0027137	0.00136095	0.00245267	-0.0010917	0.99847593	0.99999994
Ciao1	0.19930471	0.15517368	0.15626571	-0.001092	0.5185506	0.99999994
Gm14326	0.0107694	0.00858673	0.00968052	-0.0010938	0.77400295	0.99999994
A530017D24	0.00604791	0.00435984	0.00545381	-0.001094	0.90909149	0.99999994
Ankrd55	0.00756137	0.00571704	0.00681161	-0.0010946	0.85760511	0.99999994
9230117E06I	0.00335925	0.00194019	0.00303479	-0.0010946	0.99182123	0.99999994
Fcho1	0.01327992	0.01082039	0.011917	-0.0010966	0.72990383	0.99999994
Pcdhb14	0.02198519	0.01851692	0.01961371	-0.0010968	0.64513563	0.99999994
4930515G01	0.00841677	0.00648043	0.0075778	-0.0010974	0.83246055	0.99999994
Gm17354	0.00724312	0.00542853	0.00652632	-0.0010978	0.86857104	0.99999994
Hunk	0.01239561	0.01003218	0.01113008	-0.0010979	0.74428133	0.99999994

2810029C07I	0.01070548	0.00852556	0.00962348	-0.0010979	0.77619605	0.99999994
Nol9	0.05503461	0.04693576	0.04803398	-0.0010982	0.56048055	0.99999994
Smim6	0.01547737	0.01277	0.01386837	-0.0010984	0.70096597	0.99999994
Hmox1	0.02302855	0.01943176	0.02053017	-0.0010984	0.63912855	0.99999994
Zfp493	0.00727852	0.00545951	0.00655806	-0.0010986	0.86757876	0.99999994
Pgk1	0.02705023	0.02294982	0.02405073	-0.0011009	0.61970028	0.99999994
Ptpr	0.00777698	0.00590226	0.00700482	-0.0011026	0.85261553	0.99999994
Samd13	0.00537156	0.00374352	0.00484611	-0.0011026	0.93504499	0.99999994
Oacyl	0.00274122	0.00137484	0.0024775	-0.0011027	0.99847448	0.99999994
Hsd17b10	0.50558715	0.31524741	0.31635049	-0.0011031	0.5092586	0.99999994
Trmt5	0.0312183	0.02657631	0.02767955	-0.0011032	0.6046132	0.99999994
Gm7967	0.00253347	0.0011859	0.00229005	-0.0011042	0.99933488	0.99999994
Srrt	0.38544874	0.26172624	0.26283161	-0.0011054	0.5111666	0.99999994
Nuak2	0.01224928	0.00989435	0.01099977	-0.0011054	0.74823045	0.99999994
Aldh1a1	0.00718155	0.00536385	0.00647112	-0.0011073	0.87264124	0.99999994
Cxcl2	0.00715557	0.00534041	0.00644782	-0.0011074	0.87352854	0.99999994
Mgp	0.00451709	0.00297017	0.0040776	-0.0011074	0.96468072	0.99999994
Fbxl22	0.00714535	0.00533093	0.00643866	-0.0011077	0.87393239	0.99999994
Gm42715	0.01188698	0.0095679	0.01067705	-0.0011092	0.75536634	0.99999994
Pfn4	0.00773331	0.00585641	0.00696569	-0.0011093	0.85543151	0.99999994
H2-Aa	0.00937466	0.00732526	0.00843474	-0.0011095	0.80936541	0.99999994
Prpf39	0.09752251	0.08170006	0.08280974	-0.0011097	0.53553753	0.99999994
Phf12	0.13154974	0.10764747	0.10875793	-0.0011105	0.52709267	0.99999994
Bcas3	0.03236419	0.02756301	0.02867365	-0.0011106	0.60172926	0.99999994
Exo5	0.05129068	0.04376543	0.04487649	-0.0011111	0.56544899	0.99999994
Prim2	0.02009744	0.01684019	0.0179523	-0.0011121	0.65995848	0.99999994
Gca	0.06545405	0.05562766	0.05674029	-0.0011126	0.55192477	0.99999994
Ano2	0.00369045	0.00221993	0.00333325	-0.0011133	0.98690097	0.99999994
Dyrk2	0.02048167	0.01717688	0.01829081	-0.0011139	0.65740013	0.99999994
Zbtb32	0.00416949	0.00265074	0.0037647	-0.001114	0.97555785	0.99999994

Mark1	0.0077122	0.00583268	0.00694677	-0.0011141	0.85713145	0.99999994
AV099323	0.02486489	0.02102518	0.02214005	-0.0011149	0.63125657	0.99999994
Atl1	0.01389982	0.01135292	0.01246806	-0.0011151	0.72419345	0.99999994
4933406I18R	0.00519056	0.00356656	0.0046834	-0.0011168	0.94378011	0.99999994
Clip4	0.01904303	0.01590404	0.01702249	-0.0011184	0.66907155	0.99999994
Armc2	0.00774738	0.00585766	0.0069783	-0.0011206	0.85745045	0.99999994
Ubxn2b	0.08127073	0.06861121	0.06973289	-0.0011217	0.54263338	0.99999994
Tusc2	0.26423186	0.19601586	0.19713765	-0.0011218	0.51510729	0.99999994
1700108N11	0.00569051	0.00401057	0.00513276	-0.0011222	0.92720649	0.99999994
Tspan4	0.04404053	0.03759523	0.03871756	-0.0011223	0.57650156	0.99999994
Fbxo34	0.07156314	0.06066786	0.06179021	-0.0011223	0.54811691	0.99999994
Anp32e	0.49062568	0.30911983	0.3102426	-0.0011228	0.50960932	0.99999994
Pop1	0.03202285	0.02725446	0.02837769	-0.0011232	0.60390515	0.99999994
Aifm3	0.01684283	0.01395436	0.01507802	-0.0011237	0.6900715	0.99999994
Rtn4ip1	0.02762088	0.02342365	0.02454875	-0.0011251	0.61984382	0.99999994
Bmp2k	0.0081574	0.00621991	0.00734558	-0.0011257	0.84614626	0.99999994
Bbs12	0.01586526	0.0130857	0.01421223	-0.0011265	0.70111678	0.99999994
2810030D12I	0.00483733	0.00323803	0.00436573	-0.0011277	0.95722795	0.99999994
Tnfrsf11a	0.00194026	0.00062539	0.00175455	-0.0011292	0.99999081	0.99999994
Dhdh	0.01264522	0.01022177	0.0113523	-0.0011305	0.7462956	0.99999994
Atg12	0.21868147	0.16778519	0.16891737	-0.0011322	0.5177927	0.99999994
Gm11110	0.01635436	0.01351321	0.01464555	-0.0011323	0.69659979	0.99999994
C820005J03F	0.00357519	0.00209692	0.0032294	-0.0011325	0.99020865	0.99999994
Cela3a	0.00712215	0.00528479	0.00641785	-0.0011331	0.8800354	0.99999994
Ino80dos	0.00650975	0.00473425	0.00586844	-0.0011342	0.90086021	0.99999994
Ccdc65	0.01748019	0.01450591	0.01564189	-0.001136	0.68559864	0.99999994
Gm12758	0.0087876	0.00677141	0.00790969	-0.0011383	0.83094666	0.99999994
Syn2	0.04955263	0.04226685	0.04340538	-0.0011385	0.56930233	0.99999994
Tmem86b	0.01071441	0.0084928	0.00963145	-0.0011387	0.78433861	0.99999994
Casp8ap2	0.17059171	0.13563157	0.13677061	-0.001139	0.52210403	0.99999994

Emsy	0.16502852	0.13174798	0.13288707	-0.0011391	0.52275023	0.99999994
Apobec2	0.00750708	0.00562373	0.00676295	-0.0011392	0.86891223	0.99999994
Sp3	0.16891737	0.13446419	0.13560545	-0.0011413	0.52233702	0.99999994
Gm16537	0.00521009	0.00355797	0.00470096	-0.001143	0.94721349	0.99999994
Golm1	0.06993983	0.05930868	0.06045225	-0.0011436	0.55010133	0.99999994
Sema3f	0.01478739	0.01211184	0.01325628	-0.0011444	0.71723817	0.99999994
2610318N02	0.0207842	0.01741252	0.01855721	-0.0011447	0.65931387	0.99999994
Sall2	0.01327181	0.0107626	0.01190978	-0.0011472	0.73929052	0.99999994
Chm	0.09639122	0.08076104	0.08190825	-0.0011472	0.53713929	0.99999994
Wtip	0.01297152	0.0104943	0.01164267	-0.0011484	0.74426235	0.99999994
Foxo6	0.00610283	0.00435369	0.00550313	-0.0011494	0.91778251	0.99999994
Taco1os	0.00398379	0.00244792	0.00359748	-0.0011496	0.98329045	0.99999994
A330102110F	0.00548505	0.00379847	0.00494813	-0.0011497	0.93901377	0.99999994
2210411M09	0.00504674	0.00340125	0.00455407	-0.0011528	0.95400552	0.99999994
Zfp438	0.02643158	0.02235662	0.0235104	-0.0011538	0.62803875	0.99999994
Pcna-ps2	0.01042168	0.00821621	0.00937016	-0.0011539	0.79381781	0.99999994
Naif1	0.00913346	0.00706502	0.00821907	-0.001154	0.82500886	0.99999994
Otub1	0.89357088	0.41616728	0.41732176	-0.0011545	0.50734582	0.99999994
Gins3	0.01664057	0.01374394	0.01489898	-0.001155	0.69708442	0.99999994
Dhx35	0.01938362	0.0161678	0.01732298	-0.0011552	0.67143444	0.99999994
F13a1	0.0066348	0.0048252	0.00598067	-0.0011555	0.90078063	0.99999994
Dnah7a	0.01281815	0.01035014	0.0115062	-0.0011561	0.74818327	0.99999994
Ift22	0.53770654	0.32781181	0.32896903	-0.0011572	0.50934049	0.99999994
Ado	0.08019686	0.06770042	0.06885915	-0.0011587	0.54459203	0.99999994
Dennd6b	0.04574524	0.03901183	0.04017099	-0.0011592	0.57615739	0.99999994
Pecam1	0.00876386	0.00672756	0.00788844	-0.0011609	0.83634903	0.99999994
Gm16253	0.00331467	0.00183295	0.00299461	-0.0011617	0.99509013	0.99999994
2210408I21R	0.01890017	0.01573338	0.0168964	-0.001163	0.67658634	0.99999994
Scnn1g	0.00241635	0.0010195	0.00218436	-0.0011649	0.99980713	0.99999994
Zfp770	0.0420801	0.03587714	0.03704205	-0.0011649	0.58290548	0.99999994

Aqp1	0.00678591	0.00495041	0.00611626	-0.0011658	0.8977426	0.99999994
Mgmt	0.04796185	0.04089001	0.04205599	-0.001166	0.57320647	0.99999994
Naip2	0.00302877	0.00157057	0.00273684	-0.0011663	0.9977197	0.99999994
Ints9	0.0577887	0.04918051	0.0503468	-0.0011663	0.56127188	0.99999994
Mbps2	0.09133059	0.07669025	0.07785957	-0.0011693	0.53981498	0.99999994
Gm10699	0.00751822	0.0056029	0.00677294	-0.00117	0.87490832	0.99999994
Camta1	0.31100047	0.22285356	0.22402399	-0.0011704	0.51387096	0.99999994
AU022252	0.15584549	0.12522833	0.12639896	-0.0011706	0.52457826	0.99999994
Nfatc1	0.01906967	0.01587512	0.017046	-0.0011709	0.67624319	0.99999994
7630403G23	0.0036326	0.00210998	0.00328113	-0.0011712	0.99124661	0.99999994
Helb	0.01995646	0.01665598	0.01782806	-0.0011721	0.66916623	0.99999994
Prr5l	0.00512182	0.0034492	0.00462159	-0.0011724	0.95434816	0.99999994
A930019D19	0.0110897	0.00879353	0.00996628	-0.0011727	0.78326377	0.99999994
Myh7	0.00640784	0.00460408	0.00577697	-0.0011729	0.91172083	0.99999994
Fdxacb1	0.04230163	0.0360567	0.0372316	-0.0011749	0.5831863	0.99999994
Map3k14	0.01711723	0.01414554	0.01532084	-0.0011753	0.69519279	0.99999994
Tmem59l	0.00648559	0.00466898	0.00584676	-0.0011778	0.91001811	0.99999994
Zfp784	0.03387768	0.02880597	0.02998435	-0.0011784	0.60318237	0.99999994
Sh2d5	0.01092442	0.00864021	0.00981884	-0.0011786	0.78785899	0.99999994
Cript	0.68797458	0.37791412	0.37909303	-0.0011789	0.5082575	0.99999994
Pus3	0.09098679	0.07640332	0.07758357	-0.0011802	0.54032818	0.99999994
Rnf214	0.17357607	0.13765928	0.13883965	-0.0011804	0.52256413	0.99999994
Lrrc27	0.00518297	0.00349594	0.00467657	-0.0011806	0.95356472	0.99999994
Tcte2	0.01590999	0.013071	0.01425187	-0.0011809	0.70936448	0.99999994
Akap6	0.00397038	0.00240446	0.00358541	-0.001181	0.98582658	0.99999994
Kctd9	0.03234351	0.0274744	0.02865572	-0.0011813	0.60811349	0.99999994
Map7d2	0.03329772	0.02830073	0.02948241	-0.0011817	0.6051853	0.99999994
Ddx59	0.03894062	0.03316655	0.03434978	-0.0011832	0.59067698	0.99999994
Zfp239	0.01740015	0.01438718	0.01557111	-0.0011839	0.69360979	0.99999994
Rbm4	0.03208285	0.0272456	0.02842972	-0.0011841	0.60920265	0.99999994

Gm26982	0.00528626	0.00358425	0.00476943	-0.0011852	0.95094463	0.99999994
Pnkp	0.08666265	0.07291455	0.07410172	-0.0011872	0.54246307	0.99999994
Slc39a14	0.01909364	0.01587956	0.01706715	-0.0011876	0.67837944	0.99999994
Cntn4	0.0092967	0.00717575	0.00836505	-0.0011893	0.82801943	0.99999994
Tyrobp	0.01844698	0.01530579	0.01649628	-0.0011905	0.68451895	0.99999994
Myrf	0.06600939	0.05601009	0.05720101	-0.0011909	0.55511066	0.99999994
Zfp37	0.05659904	0.04815774	0.04934877	-0.001191	0.56381628	0.99999994
Me3	0.00863889	0.00658554	0.00777661	-0.0011911	0.84601665	0.99999994
Ankrd35	0.00351598	0.00198368	0.00317604	-0.0011924	0.99377194	0.99999994
Rdh12	0.00275673	0.00129901	0.00249148	-0.0011925	0.99927837	0.99999994
Zfp40	0.02772901	0.02345039	0.02464307	-0.0011927	0.62633267	0.99999994
Ubiad1	0.03366854	0.02860911	0.02980339	-0.0011943	0.60516211	0.99999994
Gstcd	0.01756307	0.01452018	0.01571518	-0.001195	0.6936262	0.99999994
Tanc1	0.02954197	0.02502687	0.02622253	-0.0011957	0.61924809	0.99999994
Als2	0.01074589	0.00846344	0.00965954	-0.0011961	0.79509636	0.99999994
Inpp5j	0.00467821	0.0030262	0.00422257	-0.0011964	0.97034752	0.99999994
Gm44148	0.00413259	0.00253467	0.00373148	-0.0011968	0.98361585	0.99999994
Gpr137b	0.03505081	0.02980159	0.03099848	-0.0011969	0.60141379	0.99999994
Qpct	0.02027088	0.01690738	0.01810512	-0.0011977	0.6701585	0.99999994
Wdr5b	0.03827972	0.03258283	0.03378159	-0.0011988	0.59336347	0.99999994
C1qb	0.01906129	0.0158387	0.0170386	-0.0011999	0.68037738	0.99999994
Gypa	0.00473011	0.00306837	0.00426927	-0.0012009	0.96942169	0.99999994
Cracr2b	0.02330367	0.01957071	0.02077161	-0.0012009	0.64982042	0.99999994
Uhrf2	0.43852045	0.28656641	0.28776899	-0.0012026	0.51109582	0.99999994
Agap3	0.09244904	0.07755322	0.07875663	-0.0012034	0.5405063	0.99999994
4933440M02	0.00331614	0.00179001	0.00299593	-0.0012059	0.99631131	0.99999994
Gm7160	0.01454044	0.01183099	0.01303707	-0.0012061	0.73098447	0.99999994
Sh3d19	0.06921515	0.05864781	0.05985405	-0.0012062	0.55335613	0.99999994
Ap3s1	0.87321839	0.41361519	0.4148233	-0.0012081	0.5077333	0.99999994
Snhg11	0.00664959	0.00478566	0.00599394	-0.0012083	0.91017108	0.99999994

Pcnt	0.0534137	0.04545556	0.04666886	-0.0012133	0.5686949	0.99999994
Rbm43	0.01631205	0.01339461	0.01460807	-0.0012135	0.70984459	0.99999994
Vps26a	0.12178737	0.10025131	0.10146988	-0.0012186	0.53185652	0.99999994
Ang	0.14026388	0.11394701	0.11516563	-0.0012186	0.52807596	0.99999994
Angptl7	0.00403451	0.00242361	0.00364316	-0.0012196	0.98706746	0.99999994
Zkscan3	0.29443638	0.21351122	0.21473375	-0.0012225	0.51511481	0.99999994
Gpatch2l	0.0194701	0.01617654	0.01739925	-0.0012227	0.68002486	0.99999994
Slc44a2	0.02307378	0.01934665	0.02056987	-0.0012232	0.65388476	0.99999994
Cdh4	0.01423992	0.01154673	0.01277021	-0.0012235	0.73817387	0.99999994
Isy1	0.10145421	0.08468802	0.08591218	-0.0012242	0.5377815	0.99999994
Cox6a2	0.00240708	0.00095079	0.002176	-0.0012252	0.99991084	0.99999994
Nras	0.33360849	0.23508227	0.23630803	-0.0012258	0.51377167	0.99999994
Tnip2	0.03363739	0.02855046	0.02977643	-0.001226	0.60798028	0.99999994
U2af1l4	0.01133808	0.00896123	0.01018779	-0.0012266	0.78854848	0.99999994
Mettl5os	0.00679547	0.00489817	0.00612483	-0.0012267	0.90875313	0.99999994
Lars2	0.03247243	0.02753943	0.02876748	-0.001228	0.61185307	0.99999994
Slx4	0.01508821	0.01229492	0.01352321	-0.0012283	0.72727301	0.99999994
Zfp2	0.03651004	0.03102658	0.03225772	-0.0012311	0.60026956	0.99999994
Pde4b	0.02000101	0.01663585	0.01786732	-0.0012315	0.67680263	0.99999994
Stk35	0.03177485	0.02693102	0.02816257	-0.0012315	0.61450547	0.99999994
Upf2	0.30252022	0.2180669	0.21929893	-0.001232	0.51491517	0.99999994
Nkrf	0.0109484	0.00860632	0.00984023	-0.0012339	0.79804842	0.99999994
Tnfaip8l1	0.00757141	0.00558609	0.00682061	-0.0012345	0.88585781	0.99999994
Arntl	0.02698909	0.0227628	0.02399736	-0.0012346	0.63398987	0.99999994
Nupl2	0.03784769	0.03217471	0.0334099	-0.0012352	0.59719359	0.99999994
Pou5f2	0.01447075	0.01173866	0.01297519	-0.0012365	0.73707419	0.99999994
Supt3	0.0868518	0.07301527	0.07425443	-0.0012392	0.54422424	0.99999994
Matk	0.00926869	0.00710077	0.00833999	-0.0012392	0.8386823	0.99999994
Dhx34	0.04853065	0.04129821	0.0425388	-0.0012406	0.5769605	0.99999994
2810414N06	0.00762691	0.00562963	0.00687035	-0.0012407	0.88533319	0.99999994

Dock1	0.01947616	0.01616359	0.0174046	-0.001241	0.68247121	0.99999994
Epb41l4aos	0.17147567	0.13614178	0.13738449	-0.0012427	0.52400576	0.99999994
Actn2	0.00596082	0.00413195	0.00537559	-0.0012436	0.93821293	0.99999994
Gm12996	0.00614803	0.00429992	0.00554371	-0.0012438	0.93233754	0.99999994
Cacna1e	0.00655268	0.0046631	0.00590697	-0.0012439	0.9194931	0.99999994
6430571L13F	0.01310396	0.01051566	0.01176049	-0.0012448	0.75945947	0.99999994
Lrrc28	0.04772784	0.04061113	0.04185725	-0.0012461	0.57854152	0.99999994
Cdca4	0.0975778	0.08160687	0.08285376	-0.0012469	0.53989669	0.99999994
Zfp28	0.01503086	0.01222441	0.01347233	-0.0012479	0.73124025	0.99999994
Pfcp	0.00710647	0.00515566	0.00640378	-0.0012481	0.90274521	0.99999994
Zfp595	0.00718209	0.00522281	0.0064716	-0.0012488	0.90050624	0.99999994
E2f2	0.00762074	0.00561538	0.00686482	-0.0012494	0.88714795	0.99999994
Dmtn	0.00608502	0.00423766	0.00548713	-0.0012495	0.93520499	0.99999994
Lpin3	0.01229624	0.00979204	0.0110416	-0.0012496	0.77436189	0.99999994
Relb	0.01463513	0.01187136	0.01312113	-0.0012498	0.73696217	0.99999994
Impdh2	0.48954152	0.30854427	0.30979423	-0.00125	0.51071321	0.99999994
Camsap3	0.04714486	0.04010976	0.04136186	-0.0012521	0.57984634	0.99999994
Gm37305	0.01201978	0.00954211	0.01079536	-0.0012533	0.78016426	0.99999994
Dzip3	0.11579451	0.09568495	0.09693835	-0.0012534	0.53429303	0.99999994
D730045B01	0.01388423	0.01120017	0.01245422	-0.001254	0.74864907	0.99999994
Rbm10	0.23914141	0.18059702	0.18185152	-0.0012545	0.51831245	0.99999994
Acaa1b	0.01577126	0.01287435	0.01412891	-0.0012546	0.72275498	0.99999994
Ush2a	0.00705686	0.00510388	0.0063593	-0.0012554	0.90558625	0.99999994
Vamp1	0.0136252	0.01096775	0.01222399	-0.0012562	0.75303366	0.99999994
Hace1	0.03796989	0.03225859	0.03351505	-0.0012565	0.59852963	0.99999994
Parp11	0.04376885	0.03722882	0.03848562	-0.0012568	0.58604086	0.99999994
Slc8a2	0.00806808	0.00600874	0.00726558	-0.0012568	0.87522708	0.99999994
Coro1a	0.01560044	0.01272047	0.01397749	-0.001257	0.72528666	0.99999994
Dapl1	0.00701071	0.00506084	0.0063179	-0.0012571	0.90731567	0.99999994
Apex2	0.03799586	0.03227923	0.03353739	-0.0012582	0.59859624	0.99999994

Tctn1	0.03305126	0.0280104	0.02926899	-0.0012586	0.61264892	0.99999994
Aven	0.02207182	0.01842983	0.01968985	-0.00126	0.66493266	0.99999994
Gm11940	0.00825846	0.00617535	0.00743607	-0.0012607	0.87045247	0.99999994
Pafah2	0.02459704	0.0206446	0.02190548	-0.0012609	0.6491918	0.99999994
Arhgap23	0.01391549	0.01121993	0.01248199	-0.0012621	0.74953453	0.99999994
Ccdc167	0.33461995	0.23558431	0.2368471	-0.0012628	0.51415519	0.99999994
Ppp1r1b	0.01065863	0.00831786	0.00958167	-0.0012638	0.81001872	0.99999994
Zfp937	0.03714749	0.0315417	0.03280703	-0.0012653	0.60130585	0.99999994
Car2	0.00862209	0.00649584	0.00776158	-0.0012657	0.86115124	0.99999994
Plekha8	0.06413481	0.05437853	0.05564449	-0.001266	0.56018484	0.99999994
Hdac7	0.03686592	0.03129617	0.03256445	-0.0012683	0.60227648	0.99999994
Crat	0.06070718	0.05151997	0.05278859	-0.0012686	0.56354611	0.99999994
Rnf25	0.17036705	0.13534564	0.13661445	-0.0012688	0.52464748	0.99999994
Lrtm2	0.00863832	0.00650636	0.0077761	-0.0012697	0.86145934	0.99999994
Frs2	0.03727577	0.03164757	0.03291753	-0.00127	0.60133402	0.99999994
9330104G04	0.0301821	0.02550833	0.02677929	-0.001271	0.6239668	0.99999994
Clstn2	0.01304853	0.0104395	0.01171119	-0.0012717	0.7650975	0.99999994
Fdps	0.45368735	0.29323577	0.2945089	-0.0012731	0.51147779	0.99999994
Zfp955a	0.02706152	0.02278673	0.02406059	-0.0012739	0.6377355	0.99999994
Gm6576	0.01411251	0.01138296	0.01265703	-0.0012741	0.74858354	0.99999994
Tjp3	0.02599717	0.02185629	0.02313072	-0.0012744	0.64309472	0.99999994
Slc26a6	0.00802184	0.00594753	0.00722417	-0.0012766	0.88026233	0.99999994
Gm17491	0.01861906	0.01537155	0.01664824	-0.0012767	0.69513249	0.99999994
Ddhd1	0.04409188	0.03748446	0.03876139	-0.0012769	0.58678494	0.99999994
Zfp948	0.04937174	0.04197468	0.04325209	-0.0012774	0.57792566	0.99999994
Bahcc1	0.04787686	0.040705	0.04198381	-0.0012788	0.58033487	0.99999994
Cnrip1	0.01386455	0.01115769	0.01243673	-0.001279	0.75319049	0.99999994
Tspan18	0.01428401	0.01152974	0.01280937	-0.0012796	0.7469599	0.99999994
Tgfa	0.01050126	0.00816126	0.0094412	-0.0012799	0.81657668	0.99999994
Ndst2	0.02996801	0.02531276	0.02659313	-0.0012804	0.62569828	0.99999994

Itln1	0.00472563	0.00298468	0.00426524	-0.0012806	0.97716619	0.99999994
Gtf2e1	0.06528925	0.05532233	0.05660351	-0.0012812	0.55987888	0.99999994
Krba1	0.03106354	0.02626346	0.02754517	-0.0012817	0.62161572	0.99999994
Nxt2	0.04355181	0.03701841	0.03830027	-0.0012819	0.58814641	0.99999994
Fan1	0.01690766	0.01385047	0.0151354	-0.0012849	0.71399577	0.99999994
Pum1	0.4227478	0.27929621	0.28058131	-0.0012851	0.5121607	0.99999994
Top2a	0.01551036	0.01261139	0.01389762	-0.0012862	0.73106881	0.99999994
Fbxw4	0.03593548	0.0304757	0.03176219	-0.0012865	0.6062687	0.99999994
Rsbn1	0.20142016	0.15637975	0.15766639	-0.0012866	0.52165961	0.99999994
Dab2ip	0.09325862	0.0781168	0.07940515	-0.0012884	0.54300199	0.99999994
Trim21	0.01263034	0.01004909	0.01133905	-0.00129	0.77554891	0.99999994
Mllt1	0.01810057	0.01489938	0.01619028	-0.0012909	0.70219733	0.99999994
Dsg2	0.10047013	0.08385261	0.08514605	-0.0012934	0.54027067	0.99999994
Stau1	0.25135661	0.18807776	0.18937129	-0.0012935	0.51813245	0.99999994
Tpsab1	0.00890551	0.00672134	0.00801518	-0.0012938	0.85869853	0.99999994
Usp6nl	0.01560038	0.0126835	0.01397744	-0.0012939	0.73111935	0.99999994
Sirt6	0.13118266	0.10719128	0.10848601	-0.0012947	0.53165889	0.99999994
Platr26	0.00426243	0.00255335	0.00384837	-0.001295	0.98745261	0.99999994
Tph1	0.00763974	0.00558671	0.00688184	-0.0012951	0.8948413	0.99999994
St3gal2	0.01399967	0.01126065	0.01255678	-0.0012961	0.75398415	0.99999994
Pianp	0.04350532	0.03696436	0.03826056	-0.0012962	0.58920685	0.99999994
Oxsm	0.02320884	0.0193918	0.0206884	-0.0012966	0.66172387	0.99999994
Armc7	0.01573603	0.01279943	0.01409768	-0.0012983	0.73005566	0.99999994
Angel1	0.00812626	0.00601868	0.00731769	-0.001299	0.88131945	0.99999994
Mov10	0.1039708	0.08656636	0.08786585	-0.0012995	0.53921005	0.99999994
Nsun4	0.05415806	0.04599566	0.04729612	-0.0013005	0.57261086	0.99999994
Zfp316	0.01932334	0.01596867	0.0172698	-0.0013011	0.69198974	0.99999994
Lmntd2	0.01087632	0.00847304	0.00977593	-0.0013029	0.81249418	0.99999994
Ccnyl1	0.01064583	0.00826618	0.00957024	-0.0013041	0.81779922	0.99999994
Cdh8	0.00399574	0.00230414	0.00360824	-0.0013041	0.99193084	0.99999994

R3hcc1l	0.05760338	0.04888707	0.05019143	-0.0013044	0.56866778	0.99999994
Zfp563	0.02018736	0.01672419	0.01803154	-0.0013073	0.68531327	0.99999994
Saxo2	0.04134949	0.03510825	0.03641651	-0.0013083	0.59449748	0.99999994
Ftsj3	0.14051883	0.11404326	0.11535175	-0.0013085	0.53009406	0.99999994
Zfp839	0.02402656	0.02009623	0.02140559	-0.0013094	0.65805609	0.99999994
Tnnt1	0.0203986	0.01690773	0.01821764	-0.0013099	0.6838934	0.99999994
Spaca1	0.00491639	0.00312606	0.00443684	-0.0013108	0.97537955	0.99999994
Atp11b	0.16706154	0.1329987	0.13431031	-0.0013116	0.52591414	0.99999994
Tacc3	0.02414013	0.02019283	0.02150514	-0.0013123	0.65769867	0.99999994
Mta3	0.23503422	0.17797601	0.1792893	-0.0013133	0.51944371	0.99999994
Zp2	0.00313094	0.00151552	0.00282897	-0.0013135	0.99900079	0.99999994
Slc12a5	0.00419715	0.0024759	0.0037896	-0.0013137	0.98948641	0.99999994
Lats2	0.01545834	0.01253627	0.0138515	-0.0013152	0.73631695	0.99999994
D630036H23	0.00776511	0.00567869	0.00699418	-0.0013155	0.89470616	0.99999994
Wdr53	0.08755152	0.07350305	0.07481903	-0.001316	0.54660081	0.99999994
Gm12524	0.01067038	0.00827531	0.00959215	-0.0013168	0.81958948	0.99999994
Zfp943	0.06316004	0.05351617	0.05483361	-0.0013174	0.56353055	0.99999994
Jade2	0.00549232	0.00363699	0.00495466	-0.0013177	0.96165574	0.99999994
Tango6	0.01280995	0.01018103	0.0114989	-0.0013179	0.77723091	0.99999994
Lrguk	0.00559053	0.00372475	0.00504292	-0.0013182	0.95906201	0.99999994
Ltb	0.00744875	0.00539164	0.00671067	-0.001319	0.9046233	0.99999994
Thg1l	0.04146344	0.03519398	0.03651411	-0.0013201	0.59508878	0.99999994
Ophn1	0.04048903	0.03435843	0.03567902	-0.0013206	0.5973031	0.99999994
Cpne8	0.02363478	0.01974079	0.02106207	-0.0013213	0.66186917	0.99999994
Tcea1	0.37550747	0.25659482	0.25791708	-0.0013223	0.5136113	0.99999994
Rnf24	0.01059649	0.0082039	0.00952621	-0.0013223	0.82224455	0.99999994
Snx24	0.11394461	0.09420805	0.09553043	-0.0013224	0.53670667	0.99999994
Hirip3	0.08609864	0.07232278	0.07364615	-0.0013234	0.54760378	0.99999994
Sacs	0.01268179	0.01006131	0.01138485	-0.0013235	0.78048538	0.99999994
Cep70	0.21306833	0.1639696	0.16529317	-0.0013236	0.52125372	0.99999994

Mrps6	0.17922418	0.14140293	0.14272785	-0.0013249	0.5246348	0.99999994
Slc20a2	0.02260149	0.01882928	0.0201552	-0.0013259	0.66926839	0.99999994
Prss1	0.00568417	0.00380076	0.00512706	-0.0013263	0.95745708	0.99999994
Samd9l	0.0154916	0.01255315	0.01388099	-0.0013278	0.73785251	0.99999994
Macrodl	0.12066941	0.09929762	0.10062787	-0.0013303	0.53505922	0.99999994
Scml4	0.00715771	0.00511828	0.00644974	-0.0013315	0.91529604	0.99999994
Slc35e3	0.01498905	0.01210322	0.01343524	-0.001332	0.74535238	0.99999994
Nbl1	0.01653093	0.01346983	0.0148019	-0.0013321	0.72542358	0.99999994
Birc3	0.00819405	0.00604597	0.0073784	-0.0013324	0.88532531	0.99999994
Telo2	0.04289665	0.03640754	0.03774045	-0.0013329	0.59293016	0.99999994
Btrc	0.25082938	0.18771589	0.18904973	-0.0013338	0.51872904	0.99999994
St3gal3	0.02712313	0.02278034	0.02411438	-0.001334	0.64365182	0.99999994
Gm10399	0.03039735	0.02563235	0.02696641	-0.0013341	0.62903446	0.99999994
Vasn	0.03758123	0.03184634	0.03318054	-0.0013342	0.60551768	0.99999994
Kcnk3	0.0330626	0.02794313	0.02927881	-0.0013357	0.61930612	0.99999994
Aoc2	0.00601027	0.00408328	0.00542001	-0.0013367	0.94966819	0.99999994
Trh	0.0082844	0.00612173	0.0074593	-0.0013376	0.88368089	0.99999994
Arhgap24	0.01515524	0.01224222	0.01358268	-0.0013405	0.74438014	0.99999994
Ttc33	0.27226365	0.20055975	0.20190113	-0.0013414	0.5176368	0.99999994
Gpbp1l1	0.21965086	0.16819796	0.16953998	-0.001342	0.52101034	0.99999994
Scarb1	0.11158489	0.09238564	0.09372826	-0.0013426	0.53798144	0.99999994
Masp2	0.00835823	0.00618186	0.0075254	-0.0013435	0.88265866	0.99999994
Seh1l	0.20912769	0.16138558	0.16272933	-0.0013438	0.52191708	0.99999994
Zdhhc9	0.01931522	0.01591883	0.01726264	-0.0013438	0.69782782	0.99999994
Zfp551	0.01447577	0.01163418	0.01297965	-0.0013455	0.75490237	0.99999994
Pcdhga12	0.02223416	0.01848686	0.01983252	-0.0013457	0.67423562	0.99999994
Aldh7a1	0.19693463	0.15334426	0.15469077	-0.0013465	0.52310206	0.99999994
Wdr76	0.01846598	0.01516634	0.01651306	-0.0013467	0.70638733	0.99999994
Fam81a	0.00998519	0.00763273	0.00898036	-0.0013476	0.84107311	0.99999994
Tbc1d4	0.0092904	0.00701177	0.00835941	-0.0013476	0.85838449	0.99999994

Gm10762	0.04230453	0.03588543	0.03723408	-0.0013487	0.59526096	0.99999994
Eepd1	0.01856066	0.01524686	0.01659667	-0.0013498	0.70587211	0.99999994
Il4ra	0.01131176	0.00881403	0.01016432	-0.0013503	0.81172582	0.99999994
Cep97	0.05316048	0.0451026	0.04645535	-0.0013527	0.57684482	0.99999994
Ccdc117	0.07209906	0.06087796	0.0622313	-0.0013533	0.55754785	0.99999994
Mknk1	0.08977478	0.0752561	0.0766096	-0.0013535	0.54680819	0.99999994
Rab29	0.0203403	0.01681267	0.01816628	-0.0013536	0.69004579	0.99999994
Tubgcp6	0.01029995	0.00790784	0.00926147	-0.0013536	0.83469159	0.99999994
Zdhhc14	0.01431956	0.01148688	0.01284094	-0.0013541	0.75863002	0.99999994
Zfp592	0.03345388	0.0282625	0.0296176	-0.0013551	0.61964491	0.99999994
Diaph2	0.02897699	0.02437495	0.02573072	-0.0013558	0.63710445	0.99999994
Sh3pxd2b	0.01251319	0.00987863	0.01123477	-0.0013561	0.78915253	0.99999994
Dph7	0.02697152	0.02262563	0.02398202	-0.0013564	0.6467175	0.99999994
Nagpa	0.03451655	0.02917842	0.03053682	-0.0013584	0.61642417	0.99999994
Sparcl1	0.00932029	0.00702759	0.00838613	-0.0013585	0.85955425	0.99999994
Coq5	0.22249862	0.16999991	0.17136343	-0.0013635	0.52111973	0.99999994
Zfp575	0.01838294	0.01507569	0.01643972	-0.001364	0.7096258	0.99999994
Acox3	0.02493813	0.02083705	0.02220417	-0.0013671	0.65903618	0.99999994
Camsap2	0.08040662	0.06766247	0.06902991	-0.0013674	0.55245188	0.99999994
Slc29a3	0.02687163	0.02252572	0.02389479	-0.0013691	0.64854032	0.99999994
Zkscan2	0.01443474	0.01157383	0.01294322	-0.0013694	0.75935828	0.99999994
Sgk3	0.02845056	0.02390195	0.02527215	-0.0013702	0.64090988	0.99999994
Serpina9	0.01467501	0.01178576	0.01315653	-0.0013708	0.75600858	0.99999994
Slc19a1	0.03879644	0.03285457	0.03422586	-0.0013713	0.60514759	0.99999994
Reln	0.00341881	0.00171657	0.00308848	-0.0013719	0.99844558	0.99999994
2610044O15	0.05028511	0.04265383	0.04402577	-0.0013719	0.58216161	0.99999994
Zfp786	0.00868844	0.00644841	0.00782096	-0.0013726	0.87863066	0.99999994
Plekha4	0.00657602	0.00455478	0.00592791	-0.0013731	0.9384477	0.99999994
Tmem117	0.01251157	0.00986002	0.01123333	-0.0013733	0.79210813	0.99999994
Col19a1	0.00479066	0.00294981	0.00432375	-0.0013739	0.98279181	0.99999994

Stk11ip	0.03040102	0.02559538	0.02696959	-0.0013742	0.63275868	0.99999994
B3gnt1	0.01708192	0.01390616	0.0152896	-0.0013834	0.72650729	0.99999994
Dusp8	0.03606587	0.03049093	0.03187467	-0.0013837	0.613696	0.99999994
Itih1	0.00862769	0.00638237	0.0077666	-0.0013842	0.88225797	0.99999994
Zfp112	0.03140402	0.02645465	0.02784077	-0.0013861	0.62982965	0.99999994
G630016G05	0.02525291	0.02109348	0.02247971	-0.0013862	0.6592686	0.99999994
Ankrd13d	0.04718397	0.04000868	0.04139511	-0.0013864	0.58820836	0.99999994
Rhobtb2	0.01645895	0.01335071	0.01473817	-0.0013875	0.73454952	0.99999994
Efnb3	0.02284966	0.01898459	0.02037313	-0.0013885	0.67496481	0.99999994
Slc46a1	0.02301693	0.0191312	0.02051997	-0.0013888	0.67382304	0.99999994
Ruvbl1	0.31763553	0.22628708	0.22767596	-0.0013889	0.51619474	0.99999994
Hagl	0.3066405	0.22021345	0.22160263	-0.0013892	0.51664203	0.99999994
Tirap	0.01560286	0.01259002	0.01397964	-0.0013896	0.74590498	0.99999994
Nicn1	0.15624425	0.12529177	0.12668273	-0.001391	0.52913099	0.99999994
Arhgef9	0.05766801	0.04885433	0.05024563	-0.0013913	0.57311645	0.99999994
Klhl31	0.00604105	0.00405603	0.00544764	-0.0013916	0.95547043	0.99999994
4930412M03	0.00671284	0.00465867	0.0060507	-0.001392	0.93716067	0.99999994
Ago4	0.02947701	0.02477382	0.02616599	-0.0013922	0.63838868	0.99999994
Spryd4	0.0905882	0.07587101	0.07726343	-0.0013924	0.54774208	0.99999994
Btbd7	0.06780618	0.05729619	0.05868937	-0.0013932	0.5627755	0.99999994
Agbl5	0.04467951	0.03786769	0.03926273	-0.001395	0.59348006	0.99999994
Dok1	0.03856654	0.03263291	0.03402823	-0.0013953	0.60755155	0.99999994
Ppp2r2c	0.00745167	0.00531758	0.00671329	-0.0013957	0.9168015	0.99999994
Cblb	0.0374559	0.03167524	0.03307264	-0.0013974	0.61073975	0.99999994
A430105J06F	0.01296512	0.01023853	0.01163697	-0.0013984	0.78811841	0.99999994
Ube2cbp	0.02961969	0.02489136	0.02629015	-0.0013988	0.63838965	0.99999994
Ptges	0.00487803	0.00300216	0.00440233	-0.0014002	0.98287316	0.99999994
Ice2	0.03396905	0.02866259	0.03006339	-0.0014008	0.62177761	0.99999994
Tph2	0.00336516	0.00163904	0.00304012	-0.0014011	0.99892135	0.99999994
Zfp407	0.03689417	0.03118713	0.0325888	-0.0014017	0.61267393	0.99999994

Zbtb42	0.01066283	0.00818234	0.00958542	-0.0014031	0.83505498	0.99999994
Gm26549	0.01963565	0.01614202	0.01754525	-0.0014032	0.70276142	0.99999994
Ppp1r13l	0.01165794	0.00906912	0.01047294	-0.0014038	0.81386643	0.99999994
Rbm12b1	0.01321154	0.01045223	0.01185618	-0.0014039	0.78471334	0.99999994
Poli	0.01937552	0.01591037	0.01731583	-0.0014055	0.7054955	0.99999994
Rbm20	0.0041688	0.00235844	0.00376408	-0.0014056	0.99353568	0.99999994
Fbxl14	0.03162223	0.02662415	0.02803015	-0.001406	0.63076611	0.99999994
Gm1818	0.02348024	0.01951681	0.02092652	-0.0014097	0.67306987	0.99999994
Mblac1	0.0466544	0.03953501	0.0409448	-0.0014098	0.59063889	0.99999994
Ogg1	0.07608103	0.06408834	0.06549912	-0.0014108	0.55700157	0.99999994
Kantr	0.01562652	0.01258949	0.01400062	-0.0014111	0.74885639	0.99999994
Coro1c	0.14832586	0.11960235	0.12101354	-0.0014112	0.53093577	0.99999994
Bcl3	0.01529022	0.01229058	0.0137024	-0.0014118	0.75359142	0.99999994
Gipr	0.25416318	0.18966634	0.19107818	-0.0014118	0.5196131	0.99999994
Gtf2a1	0.05025685	0.04258788	0.04400185	-0.001414	0.58468636	0.99999994
Rgl2	0.14267632	0.11550871	0.11692365	-0.0014149	0.53210049	0.99999994
Bcl7b	0.35615213	0.24670092	0.24811684	-0.0014159	0.51515047	0.99999994
Dvl2	0.08519645	0.07150073	0.07291673	-0.001416	0.55142494	0.99999994
Tnfrsf21	0.01133713	0.0087693	0.01018695	-0.0014177	0.82286064	0.99999994
Efcab7	0.06358508	0.05376885	0.05518732	-0.0014185	0.56792245	0.99999994
Orc2	0.10027287	0.0835713	0.08499233	-0.001421	0.54430714	0.99999994
Gramd1b	0.01994842	0.01639912	0.01782097	-0.0014219	0.70231878	0.99999994
Trim23	0.05914484	0.05006061	0.05148259	-0.001422	0.5729356	0.99999994
Cdk18	0.01406465	0.01119103	0.01261452	-0.0014235	0.77371519	0.99999994
Zfp51	0.05915308	0.05006472	0.05148949	-0.0014248	0.57306705	0.99999994
Scn8a	0.02564117	0.02139461	0.0228194	-0.0014248	0.66115178	0.99999994
1700018L02F	0.00846136	0.00619292	0.00761772	-0.0014248	0.89343221	0.99999994
BC025920	0.01884926	0.01542645	0.01685147	-0.001425	0.71324376	0.99999994
Nap1l3	0.0431185	0.03650383	0.03793007	-0.0014262	0.59881902	0.99999994
Ddit4l	0.01161356	0.00900458	0.01043338	-0.0014288	0.81899918	0.99999994

Mpst	0.13822677	0.11224584	0.11367578	-0.0014299	0.53336481	0.99999994
Gas1	0.01191526	0.00927034	0.01070224	-0.0014319	0.81342254	0.99999994
Jph3	0.00578305	0.00378398	0.0052159	-0.0014319	0.96617812	0.99999994
Tyw5	0.08470001	0.07108255	0.07251499	-0.0014324	0.55230527	0.99999994
Ifi27l2b	0.00596006	0.00394234	0.0053749	-0.0014326	0.96197773	0.99999994
Pgbd1	0.01177896	0.00914801	0.01058079	-0.0014328	0.81630188	0.99999994
Lbhd1	0.01357741	0.01074831	0.01218151	-0.0014332	0.78322946	0.99999994
Pcsk4	0.02086926	0.01719706	0.01863209	-0.001435	0.69590787	0.99999994
Kif19a	0.04876827	0.04130412	0.04274039	-0.0014363	0.58849858	0.99999994
Gdf11	0.0452937	0.03834982	0.03978632	-0.0014365	0.59496298	0.99999994
Mpi	0.11781888	0.09703626	0.09847403	-0.0014378	0.5387107	0.99999994
Nfkbid	0.00964739	0.0072407	0.00867853	-0.0014378	0.86494336	0.99999994
Taf5l	0.07715714	0.06494018	0.06637935	-0.0014392	0.55737485	0.99999994
1700086O06	0.03982336	0.0336673	0.0351079	-0.0014406	0.60762539	0.99999994
Eno3	0.02443997	0.02032677	0.02176788	-0.0014411	0.67027494	0.99999994
Ppp3cc	0.01621546	0.01308131	0.01452251	-0.0014412	0.74555637	0.99999994
Aasdhpt	0.25748606	0.19164606	0.19308869	-0.0014426	0.51983206	0.99999994
Mon1b	0.02186188	0.01806228	0.01950531	-0.001443	0.68879821	0.99999994
Vsnl1	0.00612065	0.0040759	0.00551913	-0.0014432	0.959124	0.99999994
Fam135a	0.34318216	0.23993262	0.24137587	-0.0014432	0.51587371	0.99999994
lkzf5	0.11164248	0.09232614	0.09377233	-0.0014462	0.54088212	0.99999994
9430015G10	0.01273605	0.00998663	0.01143314	-0.0014465	0.80014949	0.99999994
Card6	0.00694208	0.00480903	0.00625635	-0.0014473	0.93820305	0.99999994
Plpp7	0.05520008	0.04672455	0.04817318	-0.0014486	0.57932398	0.99999994
Ap3m2	0.03300189	0.02777745	0.02922623	-0.0014488	0.62928586	0.99999994
Casr	0.0046034	0.00270615	0.00415526	-0.0014491	0.98986579	0.99999994
Fam118a	0.04764131	0.04033436	0.04178374	-0.0014494	0.59130147	0.99999994
Rras2	0.07786053	0.0655046	0.06695404	-0.0014494	0.55728875	0.99999994
Wiz	0.0649178	0.05484561	0.0562951	-0.0014495	0.5680406	0.99999994
Bcl9l	0.01449502	0.01154667	0.01299674	-0.0014501	0.7711577	0.99999994

Six4	0.02772432	0.02318881	0.02463898	-0.0014502	0.65238643	0.99999994
Pnpla2	0.19888846	0.15453764	0.15598954	-0.0014519	0.52470072	0.99999994
Rell2	0.00960171	0.00718502	0.00863771	-0.0014527	0.868528	0.99999994
Lpin2	0.03859708	0.03260085	0.03405449	-0.0014536	0.61184555	0.99999994
Hgfac	0.00899332	0.00664007	0.00809373	-0.0014537	0.88405446	0.99999994
Ehd3	0.00959513	0.0071775	0.00863183	-0.0014543	0.86896067	0.99999994
Il1b	0.00529979	0.00332682	0.0047816	-0.0014548	0.97857506	0.99999994
9430065F17I	0.00622023	0.00415364	0.00560854	-0.0014549	0.95789088	0.99999994
Trim67	0.01085703	0.00830278	0.00975872	-0.0014559	0.83966595	0.99999994
Mmachc	0.04686463	0.03966728	0.0411236	-0.0014563	0.59317662	0.99999994
Slc38a6	0.02036895	0.01673439	0.01819152	-0.0014571	0.70304202	0.99999994
Cklf	0.10082298	0.0839635	0.08542089	-0.0014574	0.54520896	0.99999994
Lrrc8b	0.03691324	0.03114784	0.03260522	-0.0014574	0.61696734	0.99999994
Armt1	0.08141147	0.06838923	0.06984731	-0.0014581	0.55525656	0.99999994
Tbcel	0.04952883	0.041927	0.04338522	-0.0014582	0.58851504	0.99999994
Gucy2c	0.00834569	0.00605522	0.00751417	-0.001459	0.90189031	0.99999994
Nhs12	0.0252881	0.02105102	0.0225105	-0.0014595	0.66697282	0.99999994
Srek1	0.39433941	0.26569947	0.26716074	-0.0014613	0.51452133	0.99999994
Zmym6	0.00941668	0.00701085	0.00847232	-0.0014615	0.87455975	0.99999994
Myo1e	0.12556472	0.10284154	0.10430357	-0.001462	0.53716842	0.99999994
Gm15234	0.01293625	0.01014922	0.01161129	-0.0014621	0.79902815	0.99999994
Tcf12	0.24714657	0.18533341	0.18679608	-0.0014627	0.52078392	0.99999994
Prkd3	0.04836557	0.04093374	0.04239872	-0.001465	0.59095148	0.99999994
Rpgrip1l	0.04473135	0.03784127	0.03930695	-0.0014657	0.59801125	0.99999994
Serhl	0.09758277	0.08139199	0.08285772	-0.0014657	0.54686689	0.99999994
Fbxo10	0.01267421	0.00991046	0.0113781	-0.0014676	0.80471695	0.99999994
Pabpc1l	0.03655495	0.03082643	0.03229643	-0.00147	0.6190438	0.99999994
Zfp93	0.02561775	0.0213287	0.02279892	-0.0014702	0.66612786	0.99999994
Pbx3	0.0667253	0.05632163	0.05779445	-0.0014728	0.56734888	0.99999994
Rnf103	0.11024124	0.0912257	0.092699	-0.0014733	0.54212633	0.99999994

Erc6	0.03631055	0.03061211	0.03208571	-0.0014736	0.62008618	0.99999994
Pglyrp1	0.00931869	0.00691045	0.0083847	-0.0014743	0.87907267	0.99999994
Ppm1h	0.07617864	0.06410445	0.06557901	-0.0014746	0.55948742	0.99999994
Capn5	0.00923247	0.00683281	0.00830761	-0.0014748	0.88132921	0.99999994
Bach1	0.07702993	0.06479901	0.06627536	-0.0014763	0.55893774	0.99999994
Tomm34	0.27897196	0.20435582	0.20583234	-0.0014765	0.51904176	0.99999994
Fam222b	0.13387272	0.10899717	0.11047491	-0.0014777	0.53547393	0.99999994
Chrna10s	0.02454973	0.02038623	0.02186403	-0.0014778	0.67361189	0.99999994
Atp8a1	0.02121626	0.01745931	0.01893748	-0.0014782	0.69831677	0.99999994
Kptn	0.10943847	0.09060464	0.09208298	-0.0014783	0.54255172	0.99999994
Aar2	0.1323599	0.10787907	0.10935747	-0.0014784	0.53585129	0.99999994
Pde5a	0.0182067	0.01480538	0.01628404	-0.0014787	0.72721952	0.99999994
Kcnk16	0.04567848	0.03863532	0.04011413	-0.0014788	0.59692148	0.99999994
Atmin	0.05983877	0.05058247	0.052063	-0.0014805	0.57506654	0.99999994
Syngap1	0.00479487	0.00284691	0.00432753	-0.0014806	0.98861877	0.99999994
Stx12	0.32259884	0.22889918	0.23038202	-0.0014828	0.51708671	0.99999994
Dip2c	0.04328003	0.03658421	0.0380681	-0.0014839	0.60236171	0.99999994
Psmc3	0.94506289	0.42100012	0.42248579	-0.0014857	0.50933722	0.99999994
Plscr1	0.12302543	0.10091445	0.10240056	-0.0014861	0.53847872	0.99999994
Dennd4a	0.01611136	0.01294384	0.0144303	-0.0014865	0.75353817	0.99999994
Elmo2	0.02981084	0.02496898	0.02645644	-0.0014875	0.64588705	0.99999994
Dnase1l1	0.01090657	0.00831496	0.00980291	-0.001488	0.84383622	0.99999994
Psd3	0.04756114	0.04022645	0.04171563	-0.0014892	0.59391235	0.99999994
Foxo4	0.03376289	0.0283915	0.02988503	-0.0014935	0.63030374	0.99999994
A130014A01	0.0355953	0.02997426	0.03146863	-0.0014944	0.6240344	0.99999994
Sco1	0.03832865	0.03232821	0.03382367	-0.0014955	0.61573567	0.99999994
Col14a1	0.00617512	0.00407097	0.00556804	-0.0014971	0.9632481	0.99999994
Zfp882	0.03914039	0.03302296	0.03452142	-0.0014985	0.61368291	0.99999994
Ly6g6d	0.02218478	0.01829063	0.01978913	-0.0014985	0.69288401	0.99999994
Homer1	0.02514276	0.02088351	0.02238331	-0.0014998	0.67220553	0.99999994

Spidr	0.02355833	0.01949363	0.02099502	-0.0015014	0.68296504	0.99999994
Amt	0.06016991	0.05083757	0.05233977	-0.0015022	0.5757544	0.99999994
Gm16973	0.02424117	0.02009001	0.02159369	-0.0015037	0.67850241	0.99999994
Guca1b	0.00342468	0.00158976	0.00309377	-0.001504	0.99939374	0.99999994
Zw10	0.06284489	0.05306717	0.05457123	-0.0015041	0.57278082	0.99999994
Lsp1	0.01455126	0.01154141	0.01304668	-0.0015053	0.77875105	0.99999994
Htati2	0.10316023	0.08573098	0.08723746	-0.0015065	0.54575634	0.99999994
Spin4	0.00836929	0.00602775	0.0075353	-0.0015076	0.90852194	0.99999994
Gm15972	0.01209121	0.00935135	0.01085899	-0.0015076	0.82229647	0.99999994
Ankrd52	0.01958878	0.01599505	0.01750392	-0.0015089	0.71694416	0.99999994
Trim65	0.02303933	0.01903049	0.02053963	-0.0015091	0.68760509	0.99999994
Stim2	0.08215788	0.06894402	0.0704538	-0.0015098	0.55671321	0.99999994
Abi2	0.06941857	0.0585112	0.06002202	-0.0015108	0.56653039	0.99999994
Gm3336	0.00628145	0.00415246	0.00566351	-0.001511	0.96212864	0.99999994
Ccdc62	0.01536984	0.01226026	0.01377302	-0.0015128	0.7676413	0.99999994
1110002L01F	0.03169713	0.02658234	0.02809514	-0.0015128	0.6399842	0.99999994
4931414P19I	0.04453657	0.03762778	0.03914082	-0.001513	0.60153027	0.99999994
Ccdc157	0.01911998	0.01557648	0.01709039	-0.0015139	0.7222822	0.99999994
B230322F03I	0.01244214	0.00965622	0.01117151	-0.0015153	0.81670047	0.99999994
Bak1	0.16494444	0.13131196	0.1328281	-0.0015161	0.53028159	0.99999994
Pgbd5	0.01611698	0.01291907	0.01443527	-0.0015162	0.75776968	0.99999994
Gm9726	0.03166355	0.02654938	0.028066	-0.0015166	0.64046136	0.99999994
Prickle3	0.0247912	0.02055818	0.02207552	-0.0015173	0.67635152	0.99999994
Igsf9	0.07739477	0.06505614	0.06657356	-0.0015174	0.56029567	0.99999994
Zfp629	0.0468571	0.03959926	0.0411172	-0.0015179	0.59705609	0.99999994
4930471D02I	0.00679832	0.0046092	0.00612739	-0.0015182	0.95045133	0.99999994
Magi1	0.0307206	0.02572881	0.0272473	-0.0015185	0.64466542	0.99999994
Fastkd1	0.01639851	0.01316614	0.01468464	-0.0015185	0.75437311	0.99999994
Sash1	0.04688734	0.03962311	0.04114292	-0.0015198	0.59711412	0.99999994
Zfp532	0.03603416	0.03032702	0.03184732	-0.0015203	0.62466505	0.99999994

Msln	0.04701678	0.0397321	0.04125297	-0.0015209	0.59692687	0.99999994
Cpne3	0.13497808	0.10976867	0.11128965	-0.001521	0.53624241	0.99999994
Sh3bp4	0.02995503	0.02506043	0.02658185	-0.0015214	0.64839061	0.99999994
Cops8	0.46110746	0.29622246	0.29774554	-0.0015231	0.51358127	0.99999994
Sv2c	0.01489992	0.01183253	0.01335615	-0.0015236	0.77617292	0.99999994
Trmo	0.04059861	0.03424899	0.03577298	-0.001524	0.61163128	0.99999994
Cmss1	0.02772581	0.02311495	0.02464028	-0.0015253	0.65985027	0.99999994
Vrk1	0.14977387	0.12052885	0.12205567	-0.0015268	0.53317984	0.99999994
Dhx37	0.01796272	0.01454076	0.01606846	-0.0015277	0.73658472	0.99999994
Retnlg	0.00801753	0.00569168	0.00722031	-0.0015286	0.9206177	0.99999994
Idua	0.00997863	0.00744564	0.0089745	-0.0015289	0.87159233	0.99999994
Setdb2	0.01438991	0.01137408	0.01290341	-0.0015293	0.78492094	0.99999994
Nvl	0.1308561	0.10671423	0.10824398	-0.0015297	0.53747341	0.99999994
Inpp5e	0.04736791	0.0400199	0.04155145	-0.0015315	0.59690629	0.99999994
Zfp873	0.02698586	0.02246229	0.02399454	-0.0015322	0.66460421	0.99999994
Rgs7	0.01726913	0.01392264	0.01545522	-0.0015326	0.74539343	0.99999994
Ly96	0.03607062	0.03034585	0.03187877	-0.0015329	0.62554485	0.99999994
Tram2	0.00753705	0.00525666	0.00678981	-0.0015332	0.93358299	0.99999994
Haus2	0.09192804	0.07680571	0.07833892	-0.0015332	0.55182573	0.99999994
Ovca2	0.01675911	0.01346877	0.01500391	-0.0015351	0.75208052	0.99999994
Pole4	0.15906718	0.12715118	0.12868638	-0.0015352	0.53164632	0.99999994
Zyg11b	0.07730496	0.06496496	0.06650017	-0.0015352	0.56106379	0.99999994
Bbs5	0.08087215	0.06787203	0.06940873	-0.0015367	0.55858056	0.99999994
C1qa	0.21283358	0.16360282	0.1651409	-0.0015381	0.52471678	0.99999994
Polr3e	0.06405494	0.05403988	0.05557809	-0.0015382	0.57308144	0.99999994
Wwox	0.0861748	0.07216944	0.07370768	-0.0015382	0.55524142	0.99999994
Dcaf4	0.053309	0.04504225	0.04658059	-0.0015383	0.58699793	0.99999994
Phlpp1	0.0142799	0.01126555	0.01280571	-0.0015402	0.78831076	0.99999994
Ndufb2	1.27066354	0.42489598	0.42643663	-0.0015406	0.50959298	0.99999994
Tspyl3	0.01461897	0.0115642	0.01310679	-0.0015426	0.78330689	0.99999994

St7	0.01683037	0.01352056	0.01506699	-0.0015464	0.75275571	0.99999994
Rexo4	0.1691752	0.13423853	0.13578507	-0.0015465	0.53021628	0.99999994
Zfp653	0.02897283	0.02417908	0.0257271	-0.001548	0.65561281	0.99999994
Lbr	0.0522976	0.04417906	0.04572721	-0.0015481	0.58914996	0.99999994
Wdr45	0.13073606	0.10660617	0.10815498	-0.0015488	0.53797003	0.99999994
Clasrp	0.09498111	0.07923393	0.08078274	-0.0015488	0.550775	0.99999994
Gatb	0.04828753	0.04078046	0.04233248	-0.001552	0.59640008	0.99999994
Pym1	0.18434831	0.1446717	0.1462244	-0.0015527	0.52817423	0.99999994
Med25	0.51717834	0.31942824	0.32098127	-0.001553	0.51284615	0.99999994
9130019O22	0.01860878	0.01508562	0.01663916	-0.0015535	0.73285947	0.99999994
Stat5a	0.02155196	0.01767876	0.0192328	-0.001554	0.7046568	0.99999994
Rab10os	0.08215721	0.06889859	0.07045325	-0.0015547	0.55838805	0.99999994
Rgs10	0.00853016	0.0061238	0.0076793	-0.0015555	0.91121883	0.99999994
Spice1	0.04110905	0.03465447	0.03621051	-0.001556	0.61257552	0.99999994
Snca	0.01672768	0.01341884	0.01497609	-0.0015573	0.75557676	0.99999994
Tvp23a	0.00703027	0.00477813	0.00633545	-0.0015573	0.94910194	0.99999994
Lmbrd2	0.06468278	0.05454159	0.05609988	-0.0015583	0.57334393	0.99999994
Mtif3	0.13498031	0.10973235	0.11129129	-0.0015589	0.53714371	0.99999994
5031425E22I	0.22837492	0.17353914	0.1750986	-0.0015595	0.52363643	0.99999994
Ppp1r3f	0.01632021	0.01305437	0.0146153	-0.0015609	0.76142842	0.99999994
Il15ra	0.00679024	0.00455841	0.00612014	-0.0015617	0.95529933	0.99999994
Fbxl8	0.00451683	0.0025151	0.00407736	-0.0015623	0.99462025	0.99999994
Unc119	0.26697572	0.19720977	0.19877217	-0.0015624	0.52086344	0.99999994
Pard3b	0.03187388	0.02668496	0.02824848	-0.0015635	0.64371982	0.99999994
Diablo	0.5140215	0.31816426	0.31972858	-0.0015643	0.51299015	0.99999994
Slc25a26	0.0254891	0.02112152	0.02268638	-0.0015649	0.67693418	0.99999994
Lipe	0.02112517	0.01729222	0.01885733	-0.0015651	0.70968323	0.99999994
4933404O12	0.01286057	0.00997627	0.01154395	-0.0015677	0.81698657	0.99999994
Zfp367	0.00694256	0.00468907	0.00625678	-0.0015677	0.95232513	0.99999994
Acta2	0.00869165	0.00625445	0.00782383	-0.0015694	0.90909391	0.99999994

Tmem199	0.40023835	0.26842893	0.2699984	-0.0015695	0.51543229	0.99999994
Nop16	0.19846152	0.15413653	0.15570608	-0.0015696	0.52674807	0.99999994
Gm13610	0.01016385	0.00756981	0.00913993	-0.0015701	0.87357971	0.99999994
Umad1	0.11370739	0.09377871	0.09534957	-0.0015709	0.54366126	0.99999994
Stxbp6	0.05955776	0.05025501	0.05182802	-0.001573	0.58005118	0.99999994
Tspan2	0.05639955	0.04760821	0.04918127	-0.0015731	0.5842988	0.99999994
Ptk2b	0.0320715	0.02684576	0.02841987	-0.0015741	0.64381748	0.99999994
Nup107	0.03411724	0.02861603	0.03019156	-0.0015755	0.63583871	0.99999994
Casc1	0.00953769	0.00700438	0.00858049	-0.0015761	0.88927339	0.99999994
Ndr4	0.01085012	0.00817634	0.00975255	-0.0015762	0.85899239	0.99999994
Casp9	0.0445253	0.03755447	0.03913121	-0.0015767	0.60573069	0.99999994
Xpnpep3	0.03463745	0.02906307	0.03064132	-0.0015782	0.63414438	0.99999994
lqcg	0.02556608	0.02117378	0.02275372	-0.0015799	0.67802854	0.99999994
Arl6	0.27345024	0.20101888	0.20259956	-0.0015807	0.52070882	0.99999994
Zfp955b	0.02685732	0.02230001	0.02388229	-0.0015823	0.67039555	0.99999994
Gstm5	0.407408	0.27182794	0.27341168	-0.0015837	0.5153783	0.99999994
Heca	0.0071436	0.00485307	0.00643708	-0.001584	0.94928573	0.99999994
Paqr4	0.02043838	0.01666836	0.01825268	-0.0015843	0.71828927	0.99999994
Ercc8	0.03534832	0.02967074	0.03125541	-0.0015847	0.63212324	0.99999994
9130221H12	0.01042219	0.00778526	0.00937062	-0.0015854	0.8699482	0.99999994
F2rl1	0.05825765	0.04914901	0.05073978	-0.0015908	0.58265399	0.99999994
B230307C23	0.009811	0.00723319	0.00882474	-0.0015915	0.88502359	0.99999994
Slc46a3	0.01520364	0.01203289	0.01362561	-0.0015927	0.78173604	0.99999994
Cln3	0.09848673	0.08198416	0.08357707	-0.0015929	0.55047615	0.99999994
Caskin2	0.01606139	0.01279292	0.01438602	-0.0015931	0.76947553	0.99999994
Gm27030	0.01761237	0.01416436	0.01575877	-0.0015944	0.74967408	0.99999994
Gm17324	0.00597645	0.00379319	0.00538963	-0.0015964	0.97567506	0.99999994
Lockd	0.02126304	0.01738173	0.01897865	-0.0015969	0.71228935	0.99999994
Rpusd3	0.08743599	0.07312874	0.07472584	-0.0015971	0.55656468	0.99999994
Nck2	0.01521859	0.01204136	0.01363887	-0.0015975	0.78220278	0.99999994

Lrrc3	0.00763371	0.00527842	0.00687644	-0.001598	0.93905333	0.99999994
Ttll1	0.10856352	0.08981238	0.09141067	-0.0015983	0.54632586	0.99999994
Npas3	0.02130881	0.01741961	0.01901892	-0.0015993	0.71216989	0.99999994
Tmem52	0.00964567	0.00707634	0.008677	-0.0016007	0.8902591	0.99999994
Snx5	0.49252755	0.30942469	0.31102726	-0.0016026	0.51367983	0.99999994
Slc5a3	0.01671352	0.0133598	0.01496356	-0.0016038	0.7622049	0.99999994
Urb1	0.01657103	0.01323243	0.01483741	-0.001605	0.76424574	0.99999994
Tstd1	0.01266952	0.00976875	0.01137392	-0.0016052	0.82623637	0.99999994
Zfp697	0.01356229	0.01056211	0.01216807	-0.001606	0.8101681	0.99999994
Spire1	0.03034105	0.02531072	0.02691747	-0.0016068	0.65443818	0.99999994
Josd1	0.07829915	0.06570413	0.06731214	-0.001608	0.5631708	0.99999994
Cog8	0.24369587	0.18306421	0.18467242	-0.0016082	0.52311235	0.99999994
B4gat1	0.11543535	0.09505665	0.09666537	-0.0016087	0.54410302	0.99999994
Zfp580	0.11227868	0.09265008	0.09425884	-0.0016088	0.54522533	0.99999994
Cetn4	0.04857231	0.04096157	0.04257415	-0.0016126	0.59952722	0.99999994
Gm16364	0.00447045	0.00242206	0.00403562	-0.0016136	0.99610924	0.99999994
Hjrp	0.02613924	0.02164015	0.02325491	-0.0016148	0.67803109	0.99999994
Zfp146	0.0229757	0.01886845	0.02048378	-0.0016153	0.70017852	0.99999994
Gdpd5	0.02476257	0.02043324	0.02205045	-0.0016172	0.68729071	0.99999994
Tbc1d22a	0.04755083	0.04008845	0.04170687	-0.0016184	0.60191137	0.99999994
Foxred2	0.00947291	0.00690407	0.00852258	-0.0016185	0.89690298	0.99999994
Dusp7	0.01909575	0.01544505	0.01706901	-0.001624	0.73672895	0.99999994
Zscan20	0.01054398	0.00785532	0.00947934	-0.001624	0.87293597	0.99999994
Prss16	0.00681444	0.00451691	0.00614185	-0.0016249	0.96088605	0.99999994
Zfr2	0.02932231	0.02440544	0.02603136	-0.0016259	0.661206	0.99999994
Dnajc18	0.13170726	0.10724844	0.10887456	-0.0016261	0.5395965	0.99999994
9030622O22	0.03872922	0.03254174	0.03416808	-0.0016263	0.62431423	0.99999994
Entpd2	0.00482142	0.00272498	0.00435141	-0.0016264	0.99357594	0.99999994
Slc35e2	0.04684287	0.03947841	0.04110509	-0.0016267	0.60388539	0.99999994
Parp9	0.01459622	0.01145984	0.01308659	-0.0016267	0.79600262	0.99999994

Spata5	0.04476231	0.03770598	0.03933335	-0.0016274	0.6084947	0.99999994
Lhfp15	0.02205044	0.01804257	0.01967107	-0.0016285	0.70920263	0.99999994
Mre11a	0.04395886	0.03701928	0.03864784	-0.0016286	0.61044898	0.99999994
Cdkl3	0.0221794	0.01815546	0.01978439	-0.0016289	0.70816961	0.99999994
Zfp54	0.02325431	0.01909895	0.0207283	-0.0016293	0.69959065	0.99999994
A530020G20	0.02796904	0.02322271	0.02485241	-0.0016297	0.66876012	0.99999994
Tmem125	0.01845302	0.01487132	0.01650162	-0.0016303	0.74460975	0.99999994
G2e3	0.08232434	0.06895792	0.07058897	-0.001631	0.56111764	0.99999994
Pik3r3	0.05293524	0.0446338	0.04626536	-0.0016316	0.59279385	0.99999994
Rpp40	0.03488436	0.02922282	0.03085467	-0.0016319	0.63759735	0.99999994
Cyb561d1	0.01401513	0.01093834	0.01257052	-0.0016322	0.80628202	0.99999994
Hs1bp3	0.01910311	0.01544296	0.0170755	-0.0016325	0.73774092	0.99999994
Gpn1	0.16401667	0.1305442	0.13217696	-0.0016328	0.53276619	0.99999994
Gm43948	0.01700624	0.01358832	0.01522264	-0.0016343	0.76258185	0.99999994
Xrcc1	0.23766077	0.17929508	0.18092998	-0.0016349	0.52398097	0.99999994
Prdm11	0.01771922	0.01421818	0.01585323	-0.001635	0.75380547	0.99999994
Ptpn14	0.02704603	0.02241107	0.02404707	-0.001636	0.6746726	0.99999994
Rpp25l	0.32596891	0.23057062	0.23220731	-0.0016367	0.5187101	0.99999994
Nudcd1	0.0729562	0.06129936	0.06293614	-0.0016368	0.56871844	0.99999994
Gm26682	0.01237103	0.0094678	0.01111082	-0.0016404	0.83718894	0.99999994
Tmem18	0.04440931	0.03739157	0.03903226	-0.0016407	0.61018255	0.99999994
Hdx	0.00963223	0.00702357	0.00866499	-0.0016414	0.89633056	0.99999994
Hyal1	0.0618555	0.05210366	0.05374679	-0.0016431	0.5806266	0.99999994
Acs11	0.01914917	0.0154728	0.017111614	-0.0016433	0.73861564	0.99999994
Garnl3	0.01119981	0.0084199	0.01006448	-0.0016446	0.86163189	0.99999994
Dubr	0.01188028	0.00902294	0.01067107	-0.0016481	0.84804017	0.99999994
Taf1a	0.05289227	0.04458008	0.04622911	-0.001649	0.59384116	0.99999994
A930033H14	0.01446232	0.01131494	0.01296771	-0.0016528	0.80188339	0.99999994
Gm20498	0.02299856	0.018851	0.02050384	-0.0016528	0.70422078	0.99999994
Kctd21	0.01298827	0.01000405	0.01165758	-0.0016535	0.82745284	0.99999994

Erb3	0.01820818	0.01462965	0.01628535	-0.0016557	0.75071404	0.99999994
Ptcd1	0.05385291	0.04538325	0.04703906	-0.0016558	0.59262732	0.99999994
Tap1	0.01097686	0.00820963	0.00986563	-0.001656	0.86806817	0.99999994
Zfp229	0.02775724	0.02301047	0.0246677	-0.0016572	0.67263068	0.99999994
Slc25a10	0.06262218	0.0527282	0.05438575	-0.0016575	0.58038161	0.99999994
Tdg	0.36326408	0.25009577	0.25175364	-0.0016579	0.51748164	0.99999994
Gm807	0.00586832	0.00363419	0.00529251	-0.0016583	0.98149533	0.99999994
Fam167a	0.00810896	0.00564345	0.00730219	-0.0016587	0.93473744	0.99999994
Ppp4r4	0.01299233	0.01000215	0.01166118	-0.001659	0.82817916	0.99999994
Farp2	0.0181038	0.01453356	0.01619313	-0.0016596	0.7524383	0.99999994
Rhbdd1	0.02850509	0.02365666	0.02531966	-0.001663	0.66901338	0.99999994
Dcaf11	0.34256131	0.23938535	0.24104955	-0.0016642	0.51832704	0.99999994
Borcs5	0.08001062	0.06704229	0.0687075	-0.0016652	0.56408123	0.99999994
Vps18	0.03314947	0.02768842	0.02935404	-0.0016656	0.64717237	0.99999994
E2f5	0.09994657	0.08307141	0.08473703	-0.0016656	0.55204902	0.99999994
Ccnj	0.02475423	0.02037628	0.02204315	-0.0016669	0.69263861	0.99999994
Ngly1	0.10924442	0.0902659	0.09193396	-0.0016681	0.54806479	0.99999994
Tiprl	0.59951538	0.34978564	0.35145513	-0.0016695	0.51261211	0.99999994
Atf7ip	0.13772996	0.11164045	0.11331169	-0.0016712	0.5391032	0.99999994
Cog5	0.01597356	0.01263663	0.0143082	-0.0016716	0.78160902	0.99999994
Cdk5rap1	0.03281533	0.02739294	0.02906462	-0.0016717	0.64908327	0.99999994
Clip2	0.02675646	0.02212199	0.02379421	-0.0016722	0.68003594	0.99999994
Suz12	0.15055047	0.12094084	0.12261358	-0.0016727	0.53617755	0.99999994
Zfp369	0.04059696	0.03409733	0.03577157	-0.0016742	0.62230578	0.99999994
Ptpdc1	0.0226733	0.01854397	0.02021827	-0.0016743	0.70925921	0.99999994
Calca	0.00561983	0.00339342	0.00506925	-0.0016758	0.98611462	0.99999994
Gpkow	0.04074219	0.03421912	0.03589609	-0.001677	0.62208704	0.99999994
Slain1	0.03678312	0.03081385	0.0324931	-0.0016792	0.63457712	0.99999994
Pank2	0.13676629	0.11092456	0.11260463	-0.0016801	0.53955511	0.99999994
Gsap	0.00886206	0.0062955	0.0079763	-0.0016808	0.91964038	0.99999994

Gm14403	0.01872837	0.0150632	0.01674475	-0.0016815	0.74807556	0.99999994
Zfp78	0.01317468	0.01014183	0.0118234	-0.0016816	0.82810145	0.99999994
Otoa	0.00584326	0.00358787	0.00526999	-0.0016821	0.98319129	0.99999994
Hps5	0.03866021	0.03242642	0.03410876	-0.0016823	0.62866162	0.99999994
Ccdc141	0.00453362	0.00240853	0.00409247	-0.0016839	0.99691777	0.99999994
Vti1a	0.0448892	0.03775652	0.03944155	-0.001685	0.61193812	0.99999994
Socs1	0.0194598	0.01570422	0.01739017	-0.001686	0.7406413	0.99999994
Mrpl39	0.28012021	0.20481332	0.20650105	-0.0016877	0.5216927	0.99999994
Snap91	0.00871138	0.00615368	0.00784149	-0.0016878	0.92403065	0.99999994
Trib3	0.00869001	0.00613012	0.00782236	-0.0016922	0.92506493	0.99999994
Edaradd	0.00800181	0.00551374	0.00720623	-0.0016925	0.94101438	0.99999994
Pign	0.04993856	0.04203787	0.04373233	-0.0016945	0.60176073	0.99999994
Adam22	0.01949376	0.01572296	0.01742012	-0.0016972	0.7416679	0.99999994
Gpatch4	0.07333736	0.06155143	0.06324933	-0.0016979	0.57090818	0.99999994
Ndor1	0.0222802	0.01817475	0.01987297	-0.0016982	0.7152577	0.99999994
Tmem241	0.0164745	0.01305357	0.01475194	-0.0016984	0.778262	0.99999994
Gm7008	0.01236256	0.00940217	0.01110065	-0.0016985	0.84577359	0.99999994
Parg	0.1416996	0.11451371	0.11621271	-0.001699	0.53876151	0.99999994
Prkd2	0.03714741	0.031107	0.03280697	-0.0017	0.63492042	0.99999994
Slc22a18	0.01973579	0.01593104	0.01763354	-0.0017025	0.73977854	0.99999994
Flii	0.12915664	0.10527788	0.10698213	-0.0017042	0.54222348	0.99999994
Lrrc57	0.11670576	0.09592592	0.09763025	-0.0017043	0.54625296	0.99999994
Mtm1	0.03818325	0.03199364	0.03369861	-0.001705	0.63185755	0.99999994
Fgd1	0.02176683	0.01771654	0.01942175	-0.0017052	0.72053162	0.99999994
Ccrl2	0.01613714	0.01274674	0.01445314	-0.0017064	0.78403059	0.99999994
Snapc4	0.02279913	0.01862179	0.02032876	-0.001707	0.71189296	0.99999994
Tamm41	0.04467322	0.03755005	0.03925737	-0.0017073	0.61389574	0.99999994
1700030K09I	0.04614	0.03879961	0.0405071	-0.0017075	0.6104849	0.99999994
Spata24	0.11076969	0.09139532	0.09310407	-0.0017088	0.54861592	0.99999994
Bsn	0.0158787	0.01251426	0.01422413	-0.0017099	0.78818998	0.99999994

Lcorl	0.24481951	0.18365498	0.18536523	-0.0017102	0.52448517	0.99999994
Fadd	0.0569997	0.04797458	0.04968507	-0.0017105	0.5906261	0.99999994
Rin2	0.00961382	0.00693719	0.00864853	-0.0017113	0.90610303	0.99999994
Cox15	0.02100789	0.01704195	0.01875411	-0.0017122	0.72830438	0.99999994
AW554918	0.0355818	0.02974396	0.03145697	-0.001713	0.64150174	0.99999994
Fut11	0.06191087	0.05207995	0.05379296	-0.001713	0.58393425	0.99999994
Plxna3	0.0343342	0.02866607	0.03037918	-0.0017131	0.64630317	0.99999994
A930038B10	0.02778541	0.02297815	0.02469227	-0.0017141	0.67798762	0.99999994
Nipa1	0.0197471	0.01592874	0.01764351	-0.0017148	0.74116177	0.99999994
Try10	0.00960059	0.00692034	0.0086367	-0.0017164	0.9070509	0.99999994
Tmbim4	0.83101302	0.40693286	0.40865113	-0.0017183	0.51116421	0.99999994
Tmem256	0.9690203	0.4226107	0.42432905	-0.0017184	0.51075237	0.99999994
Stoml2	0.48204918	0.3049512	0.30667344	-0.0017222	0.5149095	0.99999994
Decr1	0.09314959	0.077594	0.07931786	-0.0017239	0.55751261	0.99999994
Rap2c	0.03294483	0.02745273	0.0291768	-0.0017241	0.65296109	0.99999994
Zfp790	0.02169433	0.01763186	0.019358	-0.0017261	0.72359123	0.99999994
Evi5l	0.03840944	0.03216576	0.03389315	-0.0017274	0.63278832	0.99999994
Alg10b	0.00947211	0.0067939	0.00852187	-0.001728	0.91144376	0.99999994
Zfp275	0.02871584	0.02377334	0.02550328	-0.0017299	0.67419014	0.99999994
Cic	0.0848716	0.07092332	0.07265387	-0.0017306	0.56298798	0.99999994
Slc12a1	0.00803358	0.00550353	0.00723469	-0.0017312	0.94439378	0.99999994
Nubpl	0.06412811	0.05390697	0.05563893	-0.001732	0.58207432	0.99999994
Spef1	0.01880336	0.0150778	0.01681095	-0.0017332	0.75372144	0.99999994
Gm14508	0.00830513	0.00574387	0.00747786	-0.001734	0.93864481	0.99999994
Cmtr2	0.02354164	0.01924617	0.02098038	-0.0017342	0.70891077	0.99999994
Perp	0.03477865	0.02902819	0.03076334	-0.0017351	0.6463331	0.99999994
Mrpl18	0.66270457	0.37027012	0.37200748	-0.0017374	0.51239986	0.99999994
Wwp1	0.06609216	0.0555302	0.05726965	-0.0017394	0.58010906	0.99999994
9430060I03R	0.02382883	0.01949246	0.02123224	-0.0017398	0.70726933	0.99999994
Sh3d21	0.02871083	0.02375893	0.02549891	-0.00174	0.675162	0.99999994

Tpsb2	0.01115825	0.00828606	0.01002742	-0.0017414	0.87614812	0.99999994
Adgrf5	0.00877497	0.00615502	0.00789839	-0.0017434	0.92911325	0.99999994
Gm9776	0.03257312	0.02711127	0.02885475	-0.0017435	0.65622953	0.99999994
Txnl4b	0.01937072	0.01556793	0.0173116	-0.0017437	0.74871296	0.99999994
Wdhd1	0.01233097	0.00932743	0.01107252	-0.0017451	0.85292918	0.99999994
Rrn3	0.086041	0.07185131	0.07359957	-0.0017483	0.56281601	0.99999994
Inip	0.09222541	0.07682903	0.07857737	-0.0017483	0.55886925	0.99999994
S100a4	0.00438023	0.00220556	0.00395442	-0.0017489	0.99837893	0.99999994
Traf3	0.05536838	0.0465649	0.04831472	-0.0017498	0.59525093	0.99999994
Pop5	0.75127935	0.39211962	0.39387145	-0.0017518	0.51180925	0.99999994
Il17ra	0.02588428	0.02127983	0.02303202	-0.0017522	0.69370846	0.99999994
Pibf1	0.07452169	0.06246926	0.06422145	-0.0017522	0.57205536	0.99999994
Mmp24	0.0054794	0.00319052	0.00494305	-0.0017525	0.99086192	0.99999994
Tbc1d32	0.01828035	0.01459463	0.01634911	-0.0017545	0.7624837	0.99999994
Tns2	0.01054179	0.00772243	0.00947739	-0.001755	0.89113269	0.99999994
Sptan1	0.230787	0.17486667	0.17662167	-0.001755	0.52636718	0.99999994
Xpo1	0.15994006	0.12754755	0.12930408	-0.0017565	0.53602453	0.99999994
Ung	0.04954269	0.041638	0.04339696	-0.001759	0.60634106	0.99999994
Vps45	0.14217645	0.11480036	0.11655994	-0.0017596	0.54002005	0.99999994
AA386476	0.01282531	0.0097516	0.01151257	-0.001761	0.84569969	0.99999994
Plpp3	0.01690241	0.0133692	0.01513075	-0.0017615	0.78081391	0.99999994
Llgl1	0.0301824	0.02501755	0.02677955	-0.001762	0.66929437	0.99999994
Rasgrp1	0.00353205	0.00142671	0.00319052	-0.0017638	0.99988331	0.99999994
Arhgap44	0.06202407	0.05212328	0.05388734	-0.0017641	0.58624747	0.99999994
1700086P04I	0.0068532	0.00441167	0.00617662	-0.0017649	0.9714164	0.99999994
Ccdc68	0.02169419	0.01759027	0.01935788	-0.0017676	0.72834199	0.99999994
Kdm3b	0.07974158	0.06672001	0.06848835	-0.0017683	0.56822786	0.99999994
Bpgm	0.21419957	0.16425775	0.16602619	-0.0017684	0.52826158	0.99999994
Prps1l3	0.01318761	0.01006488	0.0118349	-0.00177	0.84025732	0.99999994
Retsat	0.01130312	0.00838588	0.01015662	-0.0017707	0.87707553	0.99999994

Zfp429	0.01493111	0.01161237	0.01338382	-0.0017715	0.81084634	0.99999994
Ctrc	0.01062991	0.00778386	0.00955603	-0.0017722	0.89147814	0.99999994
Chd1l	0.0355358	0.02964499	0.03141727	-0.0017723	0.64635269	0.99999994
Gm16845	0.02518499	0.02064787	0.02242026	-0.0017724	0.70062751	0.99999994
Acadslb	0.20273529	0.15675827	0.15853478	-0.0017765	0.52972953	0.99999994
Tef	0.06266368	0.05264346	0.05442032	-0.0017769	0.58602585	0.99999994
Pdzd4	0.01235055	0.00931286	0.01108996	-0.0017771	0.85693282	0.99999994
Zfp58	0.03060329	0.02536748	0.02714537	-0.0017779	0.66856655	0.99999994
1700008J07F	0.06824218	0.05727015	0.05905	-0.0017799	0.57950693	0.99999994
Atr	0.04764007	0.04000154	0.04178269	-0.0017812	0.61170027	0.99999994
Gm16183	0.04459773	0.03741178	0.03919298	-0.0017812	0.61886879	0.99999994
Nol4	0.16319721	0.12981939	0.13160103	-0.0017816	0.53590207	0.99999994
Brsk2	0.01347681	0.01030993	0.01209208	-0.0017821	0.83670948	0.99999994
Rnf20	0.2464068	0.18455848	0.18634179	-0.0017833	0.5253962	0.99999994
Dnajc30	0.25673824	0.19085224	0.19263715	-0.0017849	0.52458942	0.99999994
1700055D18	0.01011946	0.00731538	0.00910029	-0.0017849	0.9041497	0.99999994
Rab2b	0.13758394	0.11141959	0.11320462	-0.001785	0.54179573	0.99999994
Dagla	0.00711011	0.00462192	0.00640705	-0.0017851	0.96817283	0.99999994
Cma1	0.01584407	0.01240711	0.01419345	-0.0017863	0.79891338	0.99999994
Bend3	0.01265074	0.00957061	0.01135721	-0.0017866	0.85247586	0.99999994
Top3b	0.13055531	0.10623413	0.10802093	-0.0017868	0.54383673	0.99999994
Nt5dc1	0.02203861	0.01787353	0.01966066	-0.0017871	0.72742928	0.99999994
Hykk	0.00881077	0.00614279	0.00793041	-0.0017876	0.93324879	0.99999994
Dctn5	0.20214985	0.15635896	0.15814844	-0.0017895	0.53001909	0.99999994
Arhgap36	0.14620452	0.11769125	0.11948241	-0.0017912	0.53974275	0.99999994
Rnf122	0.02845918	0.02348773	0.02527966	-0.0017919	0.68147646	0.99999994
Zfp747	0.03263614	0.02711689	0.02890936	-0.0017925	0.66009219	0.99999994
Arl8a	0.11239628	0.09255551	0.09434871	-0.0017932	0.55033659	0.99999994
Cep170	0.2010209	0.15560688	0.1574024	-0.0017955	0.53026274	0.99999994
Zfp90	0.08203221	0.0685554	0.07035173	-0.0017963	0.56747935	0.99999994

Ubash3b	0.01256582	0.00948505	0.01128162	-0.0017966	0.85542929	0.99999994
Msto1	0.09988453	0.08289098	0.08468778	-0.0017968	0.55615442	0.99999994
Cav1	0.01041554	0.00756728	0.00936468	-0.0017974	0.89930075	0.99999994
Arfrp1	0.27502011	0.20172395	0.20352156	-0.0017976	0.5234413	0.99999994
E130102H24	0.00973022	0.00695404	0.00875256	-0.0017985	0.91430997	0.99999994
Pigo	0.04017063	0.03360593	0.03540591	-0.0018	0.63246849	0.99999994
Slmap	0.10941477	0.09026466	0.09206478	-0.0018001	0.55177637	0.99999994
Irf9	0.03522564	0.02934825	0.03114947	-0.0018012	0.64984588	0.99999994
Trpc1	0.06301547	0.05291169	0.05471326	-0.0018016	0.58674405	0.99999994
Map2k3os	0.00599379	0.00360208	0.0054052	-0.0018031	0.98680746	0.99999994
Echdc1	0.14869546	0.11947562	0.12127977	-0.0018041	0.53943856	0.99999994
Lzic	0.06808401	0.0571149	0.0589192	-0.0018043	0.58076043	0.99999994
C6	0.00955309	0.0067897	0.00859425	-0.0018045	0.91889009	0.99999994
Chil6	0.00351527	0.00137042	0.0031754	-0.001805	0.99992273	0.99999994
Ccl6	0.00606747	0.00366534	0.00547137	-0.001806	0.98599604	0.99999994
Shank1	0.01154341	0.00856358	0.01037085	-0.0018073	0.87696855	0.99999994
Arhgap32	0.05007593	0.04204116	0.04384867	-0.0018075	0.60810557	0.99999994
Ing5	0.04093467	0.03425287	0.03606108	-0.0018082	0.63072351	0.99999994
Car10	0.00461074	0.00235206	0.00416186	-0.0018098	0.99810149	0.99999994
Ube3b	0.0428812	0.03591597	0.03772725	-0.0018113	0.62535256	0.99999994
Rnf115	0.30020775	0.21618809	0.21799938	-0.0018113	0.52205251	0.99999994
Mtx3	0.02096381	0.01690046	0.01871532	-0.0018149	0.74069183	0.99999994
Farp1	0.0360963	0.03008512	0.03190092	-0.0018158	0.64761193	0.99999994
Intu	0.03458454	0.0287753	0.03059559	-0.0018203	0.65395488	0.99999994
Gm16740	0.03057454	0.02529961	0.02712039	-0.0018208	0.67252232	0.99999994
Hmgcs1	0.15873499	0.12662955	0.12845107	-0.0018215	0.53760094	0.99999994
Pmp22	0.01145053	0.00846573	0.01028805	-0.0018223	0.88080961	0.99999994
Zmym1	0.04406195	0.03691243	0.03873584	-0.0018234	0.62298663	0.99999994
Pax6os1	0.04411849	0.03695853	0.0387841	-0.0018256	0.62297937	0.99999994
Gadd45b	0.10915641	0.09003908	0.09186635	-0.0018273	0.55266561	0.99999994

Zfp174	0.09396338	0.07814137	0.07996917	-0.0018278	0.56046157	0.99999994
Csf1	0.00639342	0.0039361	0.00576403	-0.0018279	0.98260972	0.99999994
Ssc4d	0.01691658	0.01331483	0.01514329	-0.0018285	0.78921934	0.99999994
Ttll4	0.01521085	0.01180139	0.01363201	-0.0018306	0.81430471	0.99999994
Utp14b	0.0118797	0.00883962	0.01067056	-0.0018309	0.87330441	0.99999994
Msh6	0.03225017	0.02674359	0.0285748	-0.0018312	0.66515469	0.99999994
Shb	0.04984289	0.04181956	0.0436513	-0.0018317	0.61000061	0.99999994
Upf3a	0.12518003	0.10218306	0.10401578	-0.0018327	0.54668201	0.99999994
Nol10	0.05899188	0.04951971	0.05135459	-0.0018349	0.5939929	0.99999994
Mob2	0.22097335	0.16855043	0.17038783	-0.0018374	0.52861125	0.99999994
BC024978	0.03788877	0.03160755	0.03344525	-0.0018377	0.64272126	0.99999994
Npc1	0.04416578	0.03698351	0.03882446	-0.001841	0.62385723	0.99999994
Oas1c	0.00667493	0.00417529	0.00601667	-0.0018414	0.97918279	0.99999994
Traf5	0.0102499	0.00737496	0.00921678	-0.0018418	0.90826808	0.99999994
Etaa1	0.0463284	0.03882375	0.04066744	-0.0018437	0.61858692	0.99999994
Arhgef40	0.02324497	0.01887534	0.02072011	-0.0018448	0.72328635	0.99999994
Hacl1	0.0519824	0.04361597	0.04546102	-0.0018451	0.60647799	0.99999994
Zfp111	0.01851315	0.01470876	0.01655472	-0.001846	0.77102541	0.99999994
Slx4ip	0.05966218	0.05006892	0.05191535	-0.0018464	0.59357074	0.99999994
Arhgap1	0.17847503	0.14036731	0.14221424	-0.0018469	0.53444398	0.99999994
Isg20l2	0.06996149	0.05862271	0.06047012	-0.0018474	0.58057202	0.99999994
Pofut2	0.51832835	0.31958575	0.32143577	-0.00185	0.51528	0.99999994
Nr1h4	0.0224097	0.0181365	0.01998674	-0.0018502	0.7311201	0.99999994
Bivm	0.02427069	0.01976884	0.02161956	-0.0018507	0.71559611	0.99999994
Nup62	0.14325863	0.11549412	0.11734697	-0.0018529	0.54185204	0.99999994
Mta2	0.23824828	0.17944193	0.18129593	-0.001854	0.52713527	0.99999994
B3galt5	0.01594901	0.01243217	0.01428645	-0.0018543	0.80619193	0.99999994
Rufy1	0.10893656	0.08984141	0.09169743	-0.001856	0.55358701	0.99999994
Gm42997	0.0227471	0.01842697	0.02028308	-0.0018561	0.7287787	0.99999994
Ankrd61	0.01536272	0.01191	0.01376671	-0.0018567	0.81533819	0.99999994

Ucn3	0.10788427	0.08903004	0.09088807	-0.001858	0.55411945	0.99999994
Fbxo27	0.013658	0.01039408	0.01225315	-0.0018591	0.84373181	0.99999994
Slc9a9	0.01251621	0.0093783	0.01123746	-0.0018592	0.86460482	0.99999994
Slc7a6	0.02701261	0.02215404	0.02401789	-0.0018638	0.69726499	0.99999994
Erp27	0.01635347	0.01278052	0.01464475	-0.0018642	0.80159573	0.99999994
Rassf7	0.20569905	0.15862071	0.16048508	-0.0018644	0.53081853	0.99999994
Atp4a	0.03213644	0.02660969	0.02847619	-0.0018665	0.66868993	0.99999994
Isoc2b	0.01343101	0.01018474	0.01205135	-0.0018666	0.84872805	0.99999994
Serpinb9	0.01169247	0.0086368	0.01050371	-0.0018669	0.8816127	0.99999994
Pdxk	0.01981945	0.01583964	0.01770729	-0.0018677	0.75868238	0.99999994
Zfp7	0.0304512	0.02514518	0.02701321	-0.001868	0.67735063	0.99999994
Jazf1	0.03774485	0.03144858	0.03332139	-0.0018728	0.64584187	0.99999994
Minpp1	0.12550979	0.10238912	0.10426249	-0.0018734	0.54760011	0.99999994
Skap2	0.10255259	0.08489147	0.08676586	-0.0018744	0.55716948	0.99999994
Styk1	0.01189167	0.0088067	0.01068122	-0.0018745	0.87863071	0.99999994
Pxylp1	0.02790532	0.02292014	0.02479684	-0.0018767	0.69278952	0.99999994
Mettl13	0.04278434	0.03576646	0.03764443	-0.001878	0.63008085	0.99999994
Dnajc6	0.01139484	0.00835963	0.0102384	-0.0018788	0.88904295	0.99999994
Mtmr12	0.01274478	0.00956183	0.01144091	-0.0018791	0.86285888	0.99999994
lqce	0.05218025	0.04374899	0.04562812	-0.0018791	0.60800874	0.99999994
Dnm3	0.00803889	0.00535982	0.00723944	-0.0018796	0.95802696	0.99999994
Adora1	0.0077936	0.00513991	0.00701971	-0.0018798	0.96266649	0.99999994
Zc3h11a	0.03244894	0.0268671	0.02874711	-0.00188	0.66833295	0.99999994
Gm16223	0.01736493	0.01365868	0.01553996	-0.0018813	0.78982717	0.99999994
Col1a2	0.02312648	0.01873395	0.02061612	-0.0018822	0.72830623	0.99999994
Hexdc	0.03469865	0.02881094	0.03069421	-0.0018833	0.65851226	0.99999994
Rundc3b	0.01821424	0.01440499	0.0162907	-0.0018857	0.77949778	0.99999994
Znrf3	0.05450521	0.04570223	0.04758844	-0.0018862	0.60404487	0.99999994
S100a13	0.2679541	0.19746515	0.19935327	-0.0018881	0.52513419	0.99999994
Zswim3	0.02029472	0.01623692	0.01812613	-0.0018892	0.75608521	0.99999994

Irs2	0.04819873	0.04036715	0.0422571	-0.00189	0.61703626	0.99999994
Ccdc82	0.02432091	0.01977084	0.02166357	-0.0018927	0.71956833	0.99999994
Ptpn3	0.01726965	0.01356219	0.01545568	-0.0018935	0.79260001	0.99999994
Rps6kl1	0.01220197	0.00906347	0.01095764	-0.0018942	0.87505958	0.99999994
Prkcd	0.05554368	0.04656755	0.04846212	-0.0018946	0.60265382	0.99999994
Adal	0.0490515	0.04108524	0.0429806	-0.0018954	0.61544233	0.99999994
Myh9	0.16639838	0.13194843	0.13384657	-0.0018981	0.53760294	0.99999994
Atp2b4	0.03181288	0.02629712	0.02819556	-0.0018984	0.6729883	0.99999994
Cchcr1	0.02098741	0.01683619	0.01873609	-0.0018999	0.75015492	0.99999994
Zfp335	0.02129298	0.01710429	0.01900499	-0.0019007	0.74719998	0.99999994
Kcnmb4	0.01196438	0.00884383	0.010746	-0.0019022	0.88065317	0.99999994
Magee1	0.0398236	0.03320523	0.03510811	-0.0019029	0.64086707	0.99999994
Rgs9	0.02067971	0.01656197	0.01846521	-0.0019032	0.7536699	0.99999994
Ube2c	0.0573472	0.04807294	0.0499766	-0.0019037	0.60007759	0.99999994
Ik	0.5952372	0.34806693	0.34997286	-0.0019059	0.51445855	0.99999994
Fgfr1	0.0364302	0.03028135	0.03218888	-0.0019075	0.65337852	0.99999994
Bcor	0.10132983	0.08390388	0.08581542	-0.0019115	0.55893554	0.99999994
Gm27029	0.02331849	0.0188729	0.02078461	-0.0019117	0.72980818	0.99999994
Cenpm	0.02212998	0.01782911	0.01974096	-0.0019119	0.74042228	0.99999994
Elk1	0.03651987	0.0303541	0.03226619	-0.0019121	0.65337753	0.99999994
Tnfrsf23	0.0074016	0.00475513	0.0066684	-0.0019133	0.97192127	0.99999994
Abhd4	0.09863595	0.08178108	0.08369574	-0.0019147	0.56051457	0.99999994
Mtrf1l	0.07385574	0.06175995	0.063675	-0.0019151	0.57933533	0.99999994
Depdc5	0.03755833	0.0312446	0.03316083	-0.0019162	0.64974954	0.99999994
Limk1	0.02395407	0.01942492	0.02134205	-0.0019171	0.7250576	0.99999994
Adnp2	0.02104918	0.01687265	0.01879046	-0.0019178	0.75154776	0.99999994
Misp	0.10486133	0.08663729	0.08855526	-0.001918	0.55731549	0.99999994
Gm4631	0.01259833	0.0093914	0.01131055	-0.0019192	0.87064348	0.99999994
Bcl9	0.14413577	0.1160625	0.11798388	-0.0019214	0.54316056	0.99999994
Brms1	0.18425193	0.14423702	0.1461589	-0.0019219	0.53487345	0.99999994

Gpr158	0.00354352	0.00127869	0.00320087	-0.0019222	0.99996796	0.99999994
Zbtb44	0.06425838	0.05382486	0.05574722	-0.0019224	0.59077324	0.99999994
Cep83os	0.0250637	0.02038981	0.0223141	-0.0019243	0.71702392	0.99999994
Pnpt1	0.08268895	0.06896025	0.07088495	-0.0019247	0.57171271	0.99999994
Srcap	0.04381728	0.03660095	0.03852697	-0.001926	0.63034284	0.99999994
Hps3	0.02753397	0.02254682	0.02447293	-0.0019261	0.69981904	0.99999994
Dnaaf2	0.05592547	0.04685676	0.04878302	-0.0019263	0.6036609	0.99999994
Amigo1	0.06045521	0.05065099	0.05257814	-0.0019271	0.59637494	0.99999994
Plekha7	0.01695464	0.01324847	0.01517697	-0.0019285	0.80117023	0.99999994
Rngtt	0.11504685	0.0944405	0.09636987	-0.0019294	0.55300733	0.99999994
Tmtc1	0.01060129	0.00760107	0.00953049	-0.0019294	0.91110017	0.99999994
Rffl	0.01810737	0.01426657	0.01619629	-0.0019297	0.78613333	0.99999994
Zfp472	0.03640332	0.03023401	0.0321657	-0.0019317	0.65532737	0.99999994
Thap4	0.12424221	0.10138067	0.10331343	-0.0019328	0.54955022	0.99999994
Fgd4	0.17881687	0.14051333	0.14244868	-0.0019353	0.53602929	0.99999994
Shmt1	0.01337607	0.01006687	0.01200251	-0.0019356	0.85846838	0.99999994
Zmat1	0.02146531	0.01721933	0.01915658	-0.0019373	0.74957037	0.99999994
Map3k1	0.03070749	0.02529862	0.02723591	-0.0019373	0.68205971	0.99999994
Mnd1	0.01505233	0.01155406	0.01349138	-0.0019373	0.83042142	0.99999994
Pnliprp2	0.00807349	0.00533025	0.00727043	-0.0019402	0.96215906	0.99999994
Gm3294	0.00542361	0.00295209	0.0048929	-0.0019408	0.99585836	0.99999994
Zfand2a	0.03668205	0.03046351	0.03240599	-0.0019425	0.6550516	0.99999994
Ahi1	0.22933246	0.17376083	0.17570393	-0.0019431	0.5293405	0.99999994
Map4k4	0.19161153	0.14918843	0.15113159	-0.0019432	0.53410128	0.99999994
Agrn	0.03427537	0.02838488	0.03032831	-0.0019434	0.66514183	0.99999994
Ldhd	0.00856628	0.00576803	0.00771163	-0.0019436	0.95329058	0.99999994
Gmnn	0.0850412	0.07084673	0.07279112	-0.0019444	0.57056173	0.99999994
Lipt2	0.06407602	0.05364904	0.05559562	-0.0019466	0.59214279	0.99999994
Fez2	0.06849519	0.05731186	0.05925918	-0.0019473	0.58657214	0.99999994
Rpl13a-ps1	0.04785646	0.04001908	0.04196648	-0.0019474	0.62129385	0.99999994

Pinx1	0.06457563	0.05406135	0.05601086	-0.0019495	0.59160704	0.99999994
Mcur1	0.10935183	0.09006642	0.09201645	-0.00195	0.55608972	0.99999994
Brsk1	0.02415736	0.01956976	0.02152024	-0.0019505	0.72684464	0.99999994
Cdc45	0.02162237	0.01734261	0.01929472	-0.0019521	0.74966811	0.99999994
Ccdc126	0.09407041	0.07810198	0.08005477	-0.0019528	0.56449289	0.99999994
Gm10244	0.01891232	0.01495232	0.01690713	-0.0019548	0.77923467	0.99999994
Cd82	0.18396552	0.14400843	0.14596419	-0.0019558	0.53553372	0.99999994
Zfp579	0.1304494	0.10598625	0.10794235	-0.0019561	0.54800574	0.99999994
Ankrd37	0.23418724	0.17680218	0.17875877	-0.0019566	0.52903983	0.99999994
Tsacc	0.03054385	0.02513317	0.02709372	-0.0019605	0.68497819	0.99999994
Nipsnap3b	0.40820723	0.27182771	0.27378956	-0.0019618	0.51902089	0.99999994
Svop	0.01623041	0.01257255	0.01453576	-0.0019632	0.81567744	0.99999994
Zdhhc16	0.19449067	0.15109542	0.15306046	-0.001965	0.53405085	0.99999994
Ghitm	0.38166447	0.25900481	0.26097003	-0.0019652	0.51998878	0.99999994
Pitpnm2	0.04155094	0.0346238	0.03658905	-0.0019652	0.63964926	0.99999994
Kcnd1	0.00897856	0.00611384	0.00808053	-0.0019667	0.947391	0.99999994
Pid1	0.00688908	0.00424212	0.00620881	-0.0019667	0.9825044	0.99999994
Atxn7l1	0.08087123	0.06744124	0.06940798	-0.0019667	0.5748024	0.99999994
Dnajc1	0.3607923	0.24852777	0.25049474	-0.001967	0.52084243	0.99999994
Zfp248	0.02377305	0.01921513	0.02118333	-0.0019682	0.73186333	0.99999994
Kctd8	0.03663668	0.03039227	0.03236688	-0.0019746	0.65765989	0.99999994
4933406P04I	0.02391393	0.01933135	0.02130685	-0.0019755	0.73143383	0.99999994
Ptpn21	0.0446994	0.03730311	0.0392797	-0.0019766	0.6311702	0.99999994
Usp21	0.06317343	0.05286625	0.05484476	-0.0019785	0.59488404	0.99999994
Try4	0.00767123	0.0049304	0.00691006	-0.0019797	0.97173849	0.99999994
Zc3h12c	0.04045962	0.03367233	0.0356538	-0.0019815	0.64428252	0.99999994
Sat2	0.10475445	0.08649063	0.08847257	-0.0019819	0.55926833	0.99999994
Pacsin1	0.09201968	0.07643007	0.07841241	-0.0019823	0.56681825	0.99999994
Myo1d	0.02658568	0.0216618	0.02364504	-0.0019832	0.7116816	0.99999994
Commd8	0.33886548	0.2371167	0.23910035	-0.0019836	0.52201966	0.99999994

Adgrg6	0.01060274	0.00754701	0.00953179	-0.0019848	0.91713146	0.99999994
Dcaf12l1	0.03132909	0.02578944	0.02777573	-0.0019863	0.6829657	0.99999994
Zfp408	0.02201255	0.01765126	0.01963776	-0.0019865	0.74963335	0.99999994
Myh10	0.09803141	0.08122828	0.08321484	-0.0019866	0.5631282	0.99999994
Ppa2	0.35863059	0.24740185	0.24938918	-0.0019873	0.52115126	0.99999994
Nfkbia	0.28037638	0.20466266	0.20665007	-0.0019874	0.52552118	0.99999994
C2cd2	0.02235492	0.01795108	0.01993862	-0.0019875	0.74650274	0.99999994
Serinc5	0.03168978	0.02610074	0.02808876	-0.001988	0.68122055	0.99999994
Aplf	0.02832014	0.02316651	0.02515848	-0.001992	0.70091374	0.99999994
Ap1s3	0.08007204	0.06676424	0.06875751	-0.0019933	0.57650745	0.99999994
Ppif	0.09160603	0.07608714	0.07808061	-0.0019935	0.56747232	0.99999994
Btbd10	0.18270674	0.14311297	0.14510738	-0.0019944	0.53644726	0.99999994
Cacna1b	0.01809529	0.0141899	0.01618561	-0.0019957	0.79410253	0.99999994
Micall1	0.02613481	0.02125352	0.02325105	-0.0019975	0.7162904	0.99999994
Tbc1d31	0.01392005	0.01048577	0.01248604	-0.0020003	0.85686705	0.99999994
Rangrf	0.14774762	0.1185961	0.1205967	-0.0020006	0.54396321	0.99999994
Efnb1	0.06725606	0.05623217	0.05823405	-0.0020019	0.59049625	0.99999994
Il13ra1	0.04392181	0.03661382	0.03861622	-0.0020024	0.63501209	0.99999994
Napg	0.16071269	0.12784758	0.12985012	-0.0020025	0.54088122	0.99999994
5730409E04I	0.01735153	0.01352541	0.0155281	-0.0020027	0.80468772	0.99999994
Cdr2l	0.0298654	0.02449916	0.02650389	-0.0020047	0.69268727	0.99999994
Lrwd1	0.09384935	0.0778725	0.07987794	-0.0020054	0.56636074	0.99999994
Samd1	0.03263069	0.0268966	0.02890464	-0.002008	0.6781115	0.99999994
Atxn7l2	0.04296823	0.03579347	0.03780164	-0.0020082	0.63818491	0.99999994
Srgap3	0.01059136	0.00751341	0.00952163	-0.0020082	0.91982625	0.99999994
Wdr81	0.01395241	0.01050512	0.01251479	-0.0020097	0.85744302	0.99999994
Zbtb17	0.04817109	0.04022364	0.04223364	-0.00201	0.62429935	0.99999994
Pias4	0.2793735	0.20405512	0.20606633	-0.0020112	0.52589951	0.99999994
Crk	0.20066529	0.15515427	0.15716712	-0.0020129	0.53396814	0.99999994
Lca5	0.05001433	0.04178322	0.0437965	-0.0020133	0.62019213	0.99999994

Pus7l	0.02633822	0.02141313	0.02342882	-0.0020157	0.71656875	0.99999994
2610021A01	0.0201936	0.0160203	0.01803703	-0.0020167	0.77163816	0.99999994
Gys1	0.03290537	0.02712568	0.02914262	-0.0020169	0.67748719	0.99999994
Rhoq	0.03765732	0.0312289	0.03324605	-0.0020171	0.65684324	0.99999994
Arrb2	0.0991793	0.08210886	0.08412764	-0.0020188	0.56345341	0.99999994
Rgl1	0.02297065	0.01845823	0.02047935	-0.0020211	0.74438366	0.99999994
Smim11	0.39477188	0.26534785	0.26736968	-0.0020218	0.5200722	0.99999994
Ttc27	0.03725644	0.03087834	0.03290088	-0.0020225	0.65879995	0.99999994
Ypel4	0.0263285	0.02139669	0.02342033	-0.0020236	0.71740261	0.99999994
Zfp46	0.02505256	0.02028025	0.02230435	-0.0020241	0.72709721	0.99999994
Mettl14	0.04753531	0.03966943	0.04169369	-0.0020243	0.62671717	0.99999994
Tlr2	0.02568318	0.02083108	0.02285615	-0.0020251	0.72232302	0.99999994
Pklr	0.02821358	0.02304017	0.02506561	-0.0020254	0.70466648	0.99999994
Smcr8	0.0217173	0.01735129	0.0193782	-0.0020269	0.75685997	0.99999994
Acbd4	0.02006097	0.01589227	0.01792016	-0.0020279	0.77435031	0.99999994
Tcaim	0.03029704	0.02485065	0.02687921	-0.0020286	0.69228991	0.99999994
Gnb4	0.01023076	0.00717102	0.00919969	-0.0020287	0.9289244	0.99999994
Ikbke	0.01166176	0.00844274	0.01047634	-0.0020336	0.90183724	0.99999994
Plod1	0.0581561	0.04862073	0.0506547	-0.002034	0.60537214	0.99999994
Osbpl5	0.03137747	0.02578291	0.02781772	-0.0020348	0.68683514	0.99999994
Sema6d	0.02888619	0.02361433	0.02565165	-0.0020373	0.70148087	0.99999994
Gm4924	0.01351838	0.01009109	0.01212904	-0.0020379	0.86830528	0.99999994
Arhgef4	0.01626961	0.0125299	0.01457048	-0.0020406	0.82438823	0.99999994
Camk4	0.01301142	0.00963643	0.01167816	-0.0020417	0.87773803	0.99999994
Ephx2	0.02804495	0.02287271	0.0249186	-0.0020459	0.70764074	0.99999994
Zfp758	0.03899785	0.03235153	0.03439895	-0.0020474	0.6540161	0.99999994
Pradc1	0.10031547	0.0829779	0.08502553	-0.0020476	0.56367836	0.99999994
Crispld2	0.00448867	0.00200429	0.00405201	-0.0020477	0.99961569	0.99999994
Adgra3	0.03325257	0.02739537	0.02944332	-0.0020479	0.67831309	0.99999994
Slc22a23	0.01255687	0.00922492	0.01127365	-0.0020487	0.88679219	0.99999994

Usp49	0.0178129	0.01388527	0.01593605	-0.0020508	0.80416524	0.99999994
5330434G04	0.01369236	0.0102308	0.0122837	-0.0020529	0.86702472	0.99999994
H2-Ab1	0.00724742	0.00447672	0.00653017	-0.0020535	0.98183138	0.99999994
Rfxank	0.08351541	0.06950174	0.07155534	-0.0020536	0.57575037	0.99999994
9530034E10I	0.02648948	0.02150728	0.023561	-0.0020537	0.71911291	0.99999994
Zbtb24	0.07395982	0.06170632	0.06376044	-0.0020541	0.58489882	0.99999994
Tbc1d5	0.02647231	0.02148976	0.02354599	-0.0020562	0.71947707	0.99999994
Elovl2	0.02685132	0.02182076	0.02387706	-0.0020563	0.71676124	0.99999994
Wwc1	0.03883092	0.03219589	0.0342555	-0.0020596	0.65550056	0.99999994
Apobec3	0.10521302	0.0867671	0.08882725	-0.0020602	0.56134481	0.99999994
Gm2861	0.02240248	0.01791946	0.0199804	-0.0020609	0.75382941	0.99999994
Borcs7	0.3500661	0.24291022	0.24497124	-0.002061	0.52232983	0.99999994
Cage1	0.01472292	0.01113802	0.01319906	-0.002061	0.85068939	0.99999994
Gstt2	0.05069449	0.04231059	0.04437224	-0.0020616	0.62144252	0.99999994
Map10	0.01209888	0.00880185	0.01086582	-0.002064	0.89695325	0.99999994
Ncapd2	0.01757432	0.01366112	0.01572513	-0.002064	0.80885421	0.99999994
Lrrc49	0.05000679	0.04172572	0.04379012	-0.0020644	0.62316383	0.99999994
Glg1	0.24720493	0.18476671	0.1868319	-0.0020652	0.5293267	0.99999994
Smim24	0.15449351	0.12336866	0.12543551	-0.0020668	0.54366813	0.99999994
Phf6	0.06050886	0.05055601	0.05262295	-0.0020669	0.60312784	0.99999994
Hspa12b	0.0151916	0.01154786	0.01361493	-0.0020671	0.84389449	0.99999994
Zfp709	0.01517037	0.01152854	0.0135961	-0.0020676	0.84428646	0.99999994
Mettl25	0.03867627	0.03205374	0.03412257	-0.0020688	0.65673563	0.99999994
2010315B03	0.0547517	0.04572639	0.04779593	-0.0020695	0.61340972	0.99999994
Rwdd2b	0.02373638	0.01908145	0.02115117	-0.0020697	0.7425894	0.99999994
Ppme1	0.30904104	0.22086714	0.22293787	-0.0020707	0.52464955	0.99999994
Tctn3	0.05853199	0.0488983	0.05096957	-0.0020713	0.60661109	0.99999994
Tbc1d10c	0.01320926	0.00978047	0.01185415	-0.0020737	0.8778722	0.99999994
Sgsh	0.00394098	0.00148502	0.00355893	-0.0020739	0.99994753	0.99999994
Th	0.04769982	0.03975759	0.04183344	-0.0020759	0.62941357	0.99999994

Arhgap29	0.05578691	0.0465903	0.04866657	-0.0020763	0.61178777	0.99999994
Gtf2h4	0.09875202	0.08171131	0.08378803	-0.0020767	0.56552027	0.99999994
Phc1	0.04829613	0.04026231	0.04233978	-0.0020775	0.6280166	0.99999994
1810055G02	0.01694689	0.01309012	0.01517012	-0.00208	0.81929068	0.99999994
Gatm	0.01772315	0.01377477	0.01585671	-0.0020819	0.80893046	0.99999994
BC049715	0.03741301	0.03095285	0.03303571	-0.0020829	0.66263838	0.99999994
Nipbl	0.44622	0.28912706	0.29121082	-0.0020838	0.51899431	0.99999994
Cpm	0.03746862	0.03099891	0.0330836	-0.0020847	0.66255078	0.99999994
Ddx1	0.43459586	0.2839116	0.28599745	-0.0020858	0.51935957	0.99999994
Ddx51	0.03683278	0.03044943	0.03253589	-0.0020865	0.66525858	0.99999994
Ctsb	0.89365283	0.41524149	0.41733104	-0.0020895	0.51329345	0.99999994
Eid2b	0.17811908	0.13987979	0.14196998	-0.0020902	0.53903382	0.99999994
Ppp1r21	0.07771407	0.06474313	0.06683443	-0.0020913	0.58249554	0.99999994
Fbxw24	0.01510672	0.01144783	0.01353963	-0.0020918	0.84811249	0.99999994
Maml1	0.04014699	0.03329382	0.03538562	-0.0020918	0.65302055	0.99999994
Cdpf1	0.17616716	0.13853312	0.14062801	-0.0020949	0.5394934	0.99999994
Foxp2	0.02124941	0.01687134	0.01896665	-0.0020953	0.76893707	0.99999994
Lst1	0.01129477	0.00805354	0.01014917	-0.0020956	0.9153449	0.99999994
Syt3	0.03070483	0.02513699	0.0272336	-0.0020966	0.69583142	0.99999994
Upk3b	0.01670086	0.01285529	0.01495235	-0.0020971	0.82473284	0.99999994
Ptk2	0.05668807	0.0473245	0.04942352	-0.002099	0.61129488	0.99999994
Nostrin	0.01166977	0.00838285	0.01048348	-0.0021006	0.90886009	0.99999994
Ncapd3	0.08884315	0.07375782	0.0758599	-0.0021021	0.57316896	0.99999994
Cep131	0.07627972	0.06355862	0.06566173	-0.0021031	0.58441447	0.99999994
Psmb3	1.43904175	0.4129598	0.41506342	-0.0021036	0.51345601	0.99999994
Vav2	0.01475835	0.0111258	0.01323051	-0.0021047	0.85517576	0.99999994
9030407P20I	0.01393579	0.01039506	0.01250002	-0.002105	0.86883673	0.99999994
Pigw	0.03528335	0.0290941	0.03119931	-0.0021052	0.67333639	0.99999994
Trpm2	0.00936643	0.00632206	0.00842739	-0.0021053	0.95183226	0.99999994
Kctd7	0.01024735	0.00710826	0.0092145	-0.0021062	0.93593386	0.99999994

Tmpo	0.42394412	0.27902499	0.28113282	-0.0021078	0.51990171	0.99999994
Atp2b2	0.01044862	0.00728498	0.00939421	-0.0021092	0.93247935	0.99999994
Fam168a	0.10817507	0.08900082	0.09111187	-0.0021111	0.56128471	0.99999994
Rabggta	0.11877074	0.09708325	0.09919435	-0.0021111	0.55632731	0.99999994
Ccdc66	0.09915111	0.08199375	0.08410524	-0.0021115	0.56635836	0.99999994
Ccdc60	0.01593142	0.01215852	0.01427086	-0.0021123	0.83775141	0.99999994
Nif3l1	0.13642972	0.11024335	0.11235742	-0.0021141	0.54983439	0.99999994
Dnajc28	0.02039564	0.01610059	0.01821503	-0.0021144	0.78014571	0.99999994
Bms1	0.0885138	0.07347851	0.07559466	-0.0021161	0.57390834	0.99999994
lyd	0.00890089	0.00589452	0.00801104	-0.0021165	0.96067815	0.99999994
Ptpn2	0.20045632	0.15491056	0.1570288	-0.0021182	0.5357734	0.99999994
Gpc1	0.04016562	0.03328271	0.03540161	-0.0021189	0.65483383	0.99999994
Fsd1	0.03230508	0.02650328	0.02862241	-0.0021191	0.68893019	0.99999994
Rlf	0.13742645	0.11096996	0.11308912	-0.0021192	0.54963222	0.99999994
Wtap	0.53561131	0.32604405	0.3281661	-0.002122	0.51716619	0.99999994
Myo9a	0.04622833	0.03845991	0.04058228	-0.0021224	0.63612216	0.99999994
Phactr4	0.13640046	0.11021271	0.11233592	-0.0021232	0.5500584	0.99999994
Tmem9b	0.43290156	0.28310511	0.28522916	-0.002124	0.51976688	0.99999994
Kif1c	0.02173218	0.01726451	0.01939128	-0.0021268	0.76731967	0.99999994
Ttc26	0.01620826	0.01238899	0.01451614	-0.0021272	0.83531957	0.99999994
Adgb	0.0146252	0.01098293	0.01311231	-0.0021294	0.8601437	0.99999994
Wdr25	0.01680984	0.01291848	0.01504882	-0.0021303	0.82697737	0.99999994
Zcchc4	0.03648287	0.03010379	0.03223429	-0.0021305	0.67001181	0.99999994
Zfp280c	0.02614511	0.02112795	0.02326004	-0.0021321	0.72911688	0.99999994
1500002C15I	0.01159682	0.00828562	0.01041846	-0.0021328	0.91350654	0.99999994
Foxn3	0.12485053	0.10163458	0.10376913	-0.0021346	0.5544541	0.99999994
Asb9	0.00490508	0.00229146	0.00442666	-0.0021352	0.99933792	0.99999994
Hpn	0.12256749	0.09992052	0.10205654	-0.002136	0.55539966	0.99999994
Gab2	0.01682998	0.01292716	0.01506664	-0.0021395	0.82772484	0.99999994
Cyp2j6	0.0622099	0.05190219	0.05404223	-0.00214	0.60395135	0.99999994

Fnta	0.56099168	0.33556846	0.33771078	-0.0021423	0.51684061	0.99999994
Wdr59	0.02587136	0.02087705	0.02302072	-0.0021437	0.73231616	0.99999994
Xndc1	0.03419752	0.02811578	0.03026099	-0.0021452	0.68149033	0.99999994
Zfp119b	0.02388588	0.01913477	0.02128226	-0.0021475	0.74910054	0.99999994
Etv6	0.02909467	0.0236849	0.02583319	-0.0021483	0.71005468	0.99999994
Tma16	0.09074478	0.07523742	0.07738921	-0.0021518	0.57341626	0.99999994
Eif3l	0.76296848	0.3941719	0.39632371	-0.0021518	0.51441468	0.99999994
Orc3	0.14935249	0.11960083	0.12175265	-0.0021518	0.54682461	0.99999994
Barx2	0.01450456	0.01085297	0.01300521	-0.0021522	0.86467525	0.99999994
Vamp8	1.01024596	0.42480432	0.42695794	-0.0021536	0.51339217	0.99999994
Agk	0.08489247	0.07051362	0.07267077	-0.0021571	0.57831569	0.99999994
Poc5	0.06921097	0.05769223	0.0598506	-0.0021584	0.59485227	0.99999994
Map3k9	0.01877817	0.01462975	0.01678872	-0.002159	0.80399681	0.99999994
Rell1	0.05632458	0.04695783	0.04911831	-0.0021605	0.61515507	0.99999994
Sdsl	0.15767368	0.12553705	0.12769844	-0.0021614	0.54485142	0.99999994
Hexim2	0.02324454	0.01855797	0.02071972	-0.0021618	0.75630893	0.99999994
Vars2	0.02251719	0.01791939	0.02008117	-0.0021618	0.76318019	0.99999994
Spg11	0.0279995	0.02271471	0.02487897	-0.0021643	0.71872129	0.99999994
Eps15l1	0.10719579	0.08819236	0.09035777	-0.0021654	0.56336999	0.99999994
Lig4	0.06101532	0.05087957	0.05304585	-0.0021663	0.60712432	0.99999994
Sidt2	0.05692673	0.04745747	0.04962384	-0.0021664	0.61431697	0.99999994
Rnpepl1	0.21601085	0.16502956	0.1671971	-0.0021675	0.53438321	0.99999994
Abhd15	0.08651087	0.07181134	0.07397916	-0.0021678	0.57732392	0.99999994
Elk3	0.01557024	0.01178249	0.01395072	-0.0021682	0.84955675	0.99999994
Lrrn1	0.04730449	0.03932884	0.04149755	-0.0021687	0.63603049	0.99999994
Tfb2m	0.08206152	0.06820506	0.07037553	-0.0021705	0.58132737	0.99999994
Mipol1	0.05314124	0.04426806	0.04643912	-0.0021711	0.62217144	0.99999994
Ccdc191	0.11629204	0.09514442	0.09731625	-0.0021718	0.55904612	0.99999994
4930503L19F	0.01533326	0.01156836	0.01374058	-0.0021722	0.85366638	0.99999994
Exosc1	0.24276469	0.18192312	0.18409734	-0.0021742	0.53132978	0.99999994

Med12	0.06079474	0.05068624	0.05286171	-0.0021755	0.60793257	0.99999994
Ptk7	0.102043	0.08419359	0.08636999	-0.0021764	0.56660251	0.99999994
Scrn2	0.08204361	0.06818444	0.07036099	-0.0021765	0.58156857	0.99999994
4930522L14F	0.02657787	0.02145961	0.02363822	-0.0021786	0.73022038	0.99999994
Bbip1	0.64161839	0.36327908	0.36545784	-0.0021788	0.51582718	0.99999994
Zfp119a	0.03409033	0.02798952	0.03016829	-0.0021788	0.68464429	0.99999994
Metrn1	0.01548079	0.01169229	0.01387141	-0.0021791	0.85214488	0.99999994
Col1a1	0.01888402	0.01470277	0.01688215	-0.0021794	0.80491039	0.99999994
Sergef	0.06559444	0.05467652	0.05685679	-0.0021803	0.60073468	0.99999994
Zfp84	0.06054357	0.0504709	0.05265194	-0.002181	0.60862286	0.99999994
Slc7a1	0.05493267	0.04576592	0.04794821	-0.0021823	0.61903752	0.99999994
Plekhh2	0.06898291	0.05747977	0.05966222	-0.0021825	0.59618744	0.99999994
Hdac3	0.3959585	0.26575923	0.26794224	-0.002183	0.5216246	0.99999994
Atp1b2	0.00917	0.00606673	0.00825175	-0.002185	0.96101357	0.99999994
Bcor1	0.02616437	0.02109016	0.02327688	-0.0021867	0.73412033	0.99999994
Zfp677	0.01444135	0.01076226	0.01294909	-0.0021868	0.86951888	0.99999994
Micu3	0.11743723	0.09599727	0.09818489	-0.0021876	0.55895002	0.99999994
Daxx	0.12576354	0.10226435	0.10445225	-0.0021879	0.55544346	0.99999994
Arid5a	0.02021435	0.01586735	0.01805532	-0.002188	0.79006011	0.99999994
Hccs	0.15842155	0.12604039	0.12822893	-0.0021885	0.54522533	0.99999994
Hook2	0.04333888	0.03592979	0.03811838	-0.0021886	0.64883599	0.99999994
Nuak1	0.01517096	0.01140763	0.01359662	-0.002189	0.85805982	0.99999994
Ddx56	0.23452321	0.17677926	0.1789693	-0.00219	0.5324594	0.99999994
Hcn3	0.02048329	0.01610127	0.01829224	-0.002191	0.78735295	0.99999994
Shroom3	0.04604617	0.03823481	0.04042722	-0.0021924	0.64094307	0.99999994
Igsf11	0.0092707	0.00614887	0.0083418	-0.0021929	0.95992853	0.99999994
Usp5	0.21040615	0.16136974	0.16356289	-0.0021932	0.53555949	0.99999994
Adpgk	0.08818977	0.07313965	0.07533359	-0.0021939	0.57685447	0.99999994
Zfp445	0.04192794	0.03471731	0.03691182	-0.0021945	0.65385155	0.99999994
Tbc1d13	0.00966015	0.0064954	0.00868993	-0.0021945	0.95361634	0.99999994

Sc5d	0.08156314	0.06777424	0.0699706	-0.0021964	0.58275302	0.99999994
Catsper2	0.02411218	0.01928336	0.02148064	-0.0021973	0.7520288	0.99999994
Bloc1s4	0.09954954	0.08222296	0.08442177	-0.0021988	0.56881923	0.99999994
Clstn3	0.02772519	0.02244086	0.02463974	-0.0021989	0.72375086	0.99999994
Cry1	0.11704946	0.09569024	0.09789094	-0.0022007	0.5594767	0.99999994
Fech	0.11851687	0.09680143	0.09900235	-0.0022009	0.55881951	0.99999994
Lrsam1	0.01540274	0.01159935	0.01380219	-0.0022028	0.85596394	0.99999994
Tecpr2	0.03156376	0.02577652	0.0279794	-0.0022029	0.69988573	0.99999994
Bbs10	0.01890682	0.01469879	0.01690227	-0.0022035	0.80723804	0.99999994
Cobll1	0.04753213	0.03948642	0.04169098	-0.0022046	0.63757273	0.99999994
Rps6kc1	0.02787237	0.02256325	0.02476811	-0.0022049	0.72325872	0.99999994
Ube2v1	0.02205698	0.01746897	0.01967681	-0.0022078	0.77243055	0.99999994
Wdr43	0.2365195	0.17800999	0.18021793	-0.0022079	0.53249798	0.99999994
Asb3	0.11294194	0.09255659	0.09476551	-0.0022089	0.56165053	0.99999994
Dis3	0.07366966	0.06131306	0.06352223	-0.0022092	0.59153466	0.99999994
Gas2l1	0.05737482	0.04778986	0.04999977	-0.0022099	0.61569749	0.99999994
Cd27	0.04081374	0.03374674	0.03595742	-0.0022107	0.65881674	0.99999994
Zbtb45	0.09827453	0.08119657	0.08340828	-0.0022117	0.57005132	0.99999994
Ints6	0.02720598	0.02197494	0.0241867	-0.0022118	0.72863519	0.99999994
Msh5	0.01649154	0.01255462	0.01476703	-0.0022124	0.84068051	0.99999994
Klhl8	0.03875122	0.03197184	0.034187	-0.0022152	0.66687493	0.99999994
Mid2	0.0150526	0.01127584	0.01349162	-0.0022158	0.86284654	0.99999994
Kifc2	0.01346196	0.00986287	0.01207887	-0.002216	0.88899149	0.99999994
Cgref1	0.03099467	0.02526819	0.02748536	-0.0022172	0.70434929	0.99999994
Chn1	0.05930535	0.04939944	0.05161689	-0.0022174	0.61254379	0.99999994
Zfp110	0.06005863	0.05002923	0.05224678	-0.0022175	0.61122774	0.99999994
Ubtd1	0.04841243	0.0402204	0.04243848	-0.0022181	0.63604195	0.99999994
Kcnn2	0.00733592	0.00439073	0.00660953	-0.0022188	0.9872755	0.99999994
Tuft1	0.03598772	0.02958809	0.03180726	-0.0022192	0.67882224	0.99999994
Tdp1	0.08352953	0.0693475	0.07156679	-0.0022193	0.58176607	0.99999994

Ints12	0.0855859	0.07101221	0.0732317	-0.0022195	0.57993958	0.99999994
Arv1	0.03895254	0.03214018	0.03436002	-0.0022198	0.66641529	0.99999994
Zfp30	0.14731619	0.11806493	0.12028544	-0.0022205	0.54889844	0.99999994
Gm16536	0.01962596	0.01531508	0.0175367	-0.0022216	0.80045625	0.99999994
Pomt1	0.0359904	0.02958617	0.03180957	-0.0022234	0.67912768	0.99999994
Lamc1	0.08697755	0.07213189	0.07435594	-0.002224	0.57890656	0.99999994
Nrm	0.0301384	0.02451616	0.0267413	-0.0022251	0.71016731	0.99999994
Dbr1	0.08945998	0.07413078	0.07635637	-0.0022256	0.57691833	0.99999994
Gstm7	0.07940417	0.06598768	0.06821341	-0.0022257	0.58597009	0.99999994
1810024B03	0.05187464	0.04314395	0.04537	-0.0022261	0.62801104	0.99999994
4632404H12	0.02052031	0.01609855	0.01832484	-0.0022263	0.79065059	0.99999994
Gmip	0.04022081	0.03322048	0.03544896	-0.0022285	0.66219036	0.99999994
Stard4	0.03010302	0.02448099	0.02671053	-0.0022295	0.71076154	0.99999994
Fbxl4	0.05843837	0.0486612	0.05089116	-0.00223	0.61473044	0.99999994
Mif4gd	0.08602659	0.07135788	0.07358793	-0.00223	0.57993127	0.99999994
Gas8	0.21662009	0.16535921	0.16759019	-0.002231	0.53530418	0.99999994
Sugp2	0.03030537	0.02465542	0.02688645	-0.002231	0.70964361	0.99999994
Med1	0.15446188	0.12318149	0.12541294	-0.0022315	0.5471388	0.99999994
Wdpcp	0.03386461	0.02774049	0.02997304	-0.0022325	0.68998235	0.99999994
Rabl3	0.08420356	0.06987705	0.07211299	-0.0022359	0.58175592	0.99999994
Abcc1	0.02687368	0.02166007	0.02389658	-0.0022365	0.73334965	0.99999994
Slc25a42	0.01816231	0.01400806	0.01624482	-0.0022368	0.82030296	0.99999994
Klhl22	0.1310362	0.10613966	0.10837748	-0.0022378	0.55465971	0.99999994
Gm5113	0.02512875	0.02013212	0.02237104	-0.0022389	0.74735063	0.99999994
Gpa33	0.01530443	0.01147467	0.01371501	-0.0022403	0.86155051	0.99999994
Cbwd1	0.09121674	0.07552596	0.07776819	-0.0022422	0.57609672	0.99999994
Nr2c1	0.04647728	0.03855112	0.04079412	-0.002243	0.64281339	0.99999994
Srrm1	0.81384156	0.40371436	0.40595771	-0.0022433	0.51467113	0.99999994
Parp4	0.04283262	0.03544155	0.03768571	-0.0022442	0.65408843	0.99999994
Mgme1	0.03882348	0.03200422	0.0342491	-0.0022449	0.66868898	0.99999994

Rtca	0.2068509	0.15899403	0.16124056	-0.0022465	0.53694554	0.99999994
Zfp944	0.0575492	0.04789738	0.05014601	-0.0022486	0.61733209	0.99999994
Mkrn2	0.11094893	0.0909903	0.09324138	-0.0022511	0.56383567	0.99999994
Gla	0.02669063	0.02148483	0.02373671	-0.0022519	0.73613775	0.99999994
Naaa	0.03501673	0.02871313	0.03096903	-0.0022559	0.68611756	0.99999994
Hectd1	0.32447441	0.22914244	0.23139907	-0.0022566	0.52587849	0.99999994
Hif1an	0.1138807	0.09322456	0.09548171	-0.0022572	0.56251698	0.99999994
Ptrh2	0.23040905	0.17412571	0.17638341	-0.0022577	0.53394917	0.99999994
1700105P06I	0.01198738	0.0085088	0.01076649	-0.0022577	0.91861487	0.99999994
Pmepa1	0.06209087	0.0516833	0.05394302	-0.0022597	0.60981659	0.99999994
Marveld1	0.00724975	0.00427186	0.00653227	-0.0022604	0.9893702	0.99999994
Wdr48	0.08356259	0.06932973	0.07159359	-0.0022639	0.58335347	0.99999994
Zfp868	0.03775363	0.03106454	0.03332895	-0.0022644	0.67445202	0.99999994
Zfp710	0.04488112	0.03716949	0.03943466	-0.0022652	0.64889816	0.99999994
Cep76	0.03628271	0.02979539	0.0320617	-0.0022663	0.68100458	0.99999994
Zbtb34	0.02935001	0.02378913	0.02605547	-0.0022663	0.71869805	0.99999994
Esrra	0.0505243	0.04196167	0.04422822	-0.0022666	0.63349227	0.99999994
3930402G23	0.00926337	0.00606851	0.00833524	-0.0022667	0.96486501	0.99999994
Rdh13	0.04605517	0.03816808	0.04043488	-0.0022668	0.64548483	0.99999994
Nup85	0.07779617	0.06463446	0.06690148	-0.002267	0.58922718	0.99999994
Blvra	0.16591403	0.13123916	0.13350755	-0.0022684	0.5450228	0.99999994
Zfp617	0.07628138	0.06339418	0.06566309	-0.0022689	0.59095538	0.99999994
Slc9a1	0.01886885	0.01459972	0.01686877	-0.002269	0.814702	0.99999994
Ulk4	0.02598077	0.02084692	0.02311638	-0.0022695	0.7432801	0.99999994
Clcn7	0.01495969	0.01113585	0.01340918	-0.0022733	0.87044341	0.99999994
Wdr1	0.36045926	0.24805113	0.25032474	-0.0022736	0.52410429	0.99999994
Slc25a24	0.02791684	0.02253076	0.02480689	-0.0022761	0.72931698	0.99999994
Myl6b	0.06995972	0.05819159	0.06046866	-0.0022771	0.59896091	0.99999994
D130017N08	0.01571849	0.01180495	0.01408214	-0.0022772	0.85912259	0.99999994
Oxr1	0.11719665	0.0957252	0.09800255	-0.0022773	0.56146243	0.99999994

Cables2	0.03994337	0.03293282	0.0352109	-0.0022781	0.66663998	0.99999994
Frem2	0.02059781	0.01611098	0.01839309	-0.0022821	0.79556431	0.99999994
Neur11b	0.01645026	0.01244742	0.01473047	-0.002283	0.84888352	0.99999994
Sarm1	0.0173812	0.0132707	0.01555435	-0.0022837	0.83578227	0.99999994
Tmem64	0.03477718	0.02847782	0.03076207	-0.0022842	0.68944218	0.99999994
Cstf1	0.0933103	0.07716194	0.07944653	-0.0022846	0.57589869	0.99999994
Aste1	0.02559113	0.02048904	0.02277564	-0.0022866	0.74802076	0.99999994
Fastkd3	0.04520049	0.03741946	0.0397069	-0.0022874	0.64931064	0.99999994
Bloc1s3	0.05646641	0.04694823	0.04923741	-0.0022892	0.62151889	0.99999994
Gm10643	0.01080181	0.00741967	0.00970944	-0.0022898	0.94176484	0.99999994
Pced1a	0.03351012	0.02737597	0.02966628	-0.0022903	0.69633509	0.99999994
Nudt1	0.09435618	0.07799246	0.0802833	-0.0022908	0.57531999	0.99999994
Gtf3c3	0.08291726	0.06877933	0.07107021	-0.0022909	0.58494547	0.99999994
Klhl20	0.03995668	0.03293096	0.03522232	-0.0022914	0.6675015	0.99999994
Msl1l	0.01314898	0.00950895	0.01180054	-0.0022916	0.90192856	0.99999994
Ctdp1	0.0277868	0.02240084	0.02469348	-0.0022926	0.73171278	0.99999994
Kif16b	0.07607723	0.06320324	0.06549601	-0.0022928	0.59212484	0.99999994
Mus81	0.08563585	0.07097725	0.07327209	-0.0022948	0.5825703	0.99999994
Vps33b	0.03409085	0.02787384	0.03016874	-0.0022949	0.69369121	0.99999994
1700037H04	0.2058705	0.15830075	0.16059762	-0.0022969	0.53792177	0.99999994
Ccdc142os	0.01745596	0.01332238	0.01562046	-0.0022981	0.83627941	0.99999994
Dis3l	0.05147286	0.04273199	0.04503049	-0.0022985	0.63298186	0.99999994
Stard6	0.01223802	0.0086912	0.01098975	-0.0022985	0.91806946	0.99999994
Nudt16	0.07380841	0.06133754	0.06363615	-0.0022986	0.59500361	0.99999994
Gemin8	0.0471651	0.03907898	0.04137907	-0.0023001	0.64430848	0.99999994
Bmi1	0.10296132	0.08478235	0.08708314	-0.0023008	0.5697999	0.99999994
Stk38l	0.04277812	0.03533747	0.03763912	-0.0023016	0.65801027	0.99999994
Ap4e1	0.01957995	0.01519439	0.01749613	-0.0023017	0.80940084	0.99999994
Smurf1	0.0204394	0.01595155	0.01825357	-0.002302	0.79939313	0.99999994
Dmkn	0.01164733	0.0081599	0.01046348	-0.0023036	0.9285976	0.99999994

4933428C19I	0.00695581	0.00396508	0.00626867	-0.0023036	0.99277854	0.99999994
Utp20	0.0236083	0.01873504	0.02103885	-0.0023038	0.76696538	0.99999994
Cdc16	0.32818551	0.23109797	0.23340255	-0.0023046	0.52620114	0.99999994
Gltp	0.15918991	0.12646333	0.12877328	-0.00231	0.54752179	0.99999994
Nhlrc3	0.05044483	0.04185081	0.04416097	-0.0023102	0.63615877	0.99999994
Igfbp6	0.01164672	0.0081516	0.01046294	-0.0023113	0.9292781	0.99999994
Gbp7	0.01397521	0.01022198	0.01253505	-0.0023131	0.89033022	0.99999994
Aars2	0.02540643	0.02029994	0.02261404	-0.0023141	0.75211134	0.99999994
Stard13	0.03491278	0.02856472	0.03087923	-0.0023145	0.69108127	0.99999994
Cpeb2	0.02065705	0.01612862	0.01844526	-0.0023166	0.79842488	0.99999994
Preli2	0.03973651	0.03271598	0.03503335	-0.0023174	0.67014071	0.99999994
Il17rc	0.01779512	0.01359932	0.01592033	-0.002321	0.83408269	0.99999994
Nubp1	0.18291122	0.14292535	0.14524668	-0.0023213	0.54236024	0.99999994
Fam161b	0.0300478	0.02433942	0.02666252	-0.0023231	0.71903178	0.99999994
Gchfr	0.09796934	0.08084196	0.08316545	-0.0023235	0.57376454	0.99999994
VeZF1	0.33425435	0.23432744	0.23665235	-0.0023249	0.52606951	0.99999994
Rpp21	0.52919646	0.32336483	0.32569004	-0.0023252	0.5189514	0.99999994
Wnk2	0.0273666	0.0220014	0.02432689	-0.0023255	0.73771064	0.99999994
Dck	0.02441551	0.01942088	0.02174645	-0.0023256	0.76171535	0.99999994
Cblc	0.03311059	0.02699163	0.02932037	-0.0023287	0.70148389	0.99999994
Zfp639	0.09643667	0.07961438	0.08194448	-0.0023301	0.57506116	0.99999994
Sumf2	0.09027963	0.07468443	0.07701548	-0.002331	0.57983433	0.99999994
Zfp433	0.04804065	0.03979173	0.04212289	-0.0023312	0.64370333	0.99999994
Zfp949	0.1271135	0.10312767	0.10546043	-0.0023328	0.55852767	0.99999994
Tgds	0.20972708	0.16078756	0.16312035	-0.0023328	0.53791911	0.99999994
Sytl1	0.13370394	0.10801585	0.11035038	-0.0023345	0.55599368	0.99999994
4833420G17	0.18065558	0.14136895	0.14370749	-0.0023385	0.54312844	0.99999994
Tfcp2	0.05935845	0.04932252	0.05166132	-0.0023388	0.6184241	0.99999994
Cpsf2	0.20725811	0.15916613	0.16150729	-0.0023412	0.5384336	0.99999994
Glmp	0.48732473	0.30653389	0.30887505	-0.0023412	0.52011922	0.99999994

Stk4	0.10571906	0.08687631	0.08921834	-0.002342	0.56935519	0.99999994
Ppp1r12c	0.02692092	0.02159489	0.02393783	-0.0023429	0.74263737	0.99999994
Rab40c	0.10027483	0.08264966	0.08499386	-0.0023442	0.5728316	0.99999994
Tmem51os1	0.01316066	0.00946639	0.01181093	-0.0023445	0.90680376	0.99999994
Zfp668	0.06851894	0.05693393	0.05927882	-0.0023449	0.6038421	0.99999994
Nipal2	0.07327356	0.06084948	0.06319691	-0.0023474	0.59764191	0.99999994
Insr	0.07484526	0.06213927	0.06448679	-0.0023475	0.59573088	0.99999994
Tnfaip8	0.06372451	0.05295269	0.05530331	-0.0023506	0.61138177	0.99999994
Ubap2	0.18754175	0.1460351	0.148389	-0.0023539	0.54204617	0.99999994
B4galt6	0.23192903	0.1749857	0.17734075	-0.002355	0.53521863	0.99999994
Zdhhc21	0.07426521	0.06165493	0.06401106	-0.0023561	0.59677494	0.99999994
Fer1l6	0.00439428	0.00161028	0.00396706	-0.0023568	0.99996165	0.99999994
A630072M18	0.02981238	0.02409896	0.02645778	-0.0023588	0.72355766	0.99999994
Usp39	0.10893272	0.08933492	0.09169448	-0.0023596	0.56800094	0.99999994
Sugp1	0.12294494	0.09998037	0.10234011	-0.0023597	0.56099052	0.99999994
Fbf1	0.0304252	0.02463039	0.02699061	-0.0023602	0.71974085	0.99999994
Apod	0.00670165	0.00367947	0.00604065	-0.0023612	0.99536382	0.99999994
Cycs	1.2848743	0.42339512	0.42575689	-0.0023618	0.51472733	0.99999994
Rad52	0.04916208	0.0407116	0.04307436	-0.0023628	0.64248945	0.99999994
Chrn2	0.02138123	0.01671943	0.01908263	-0.0023632	0.79512214	0.99999994
Recql	0.03534147	0.02888559	0.03124949	-0.0023639	0.69270323	0.99999994
Gm4577	0.01194927	0.0083676	0.01073254	-0.0023649	0.92877747	0.99999994
Zfp809	0.02074272	0.01615361	0.01852069	-0.0023671	0.80254079	0.99999994
Kntc1	0.00521513	0.00233759	0.00470549	-0.0023679	0.99959539	0.99999994
Tnfrsf1a	0.03373796	0.02749495	0.02986346	-0.0023685	0.70122382	0.99999994
4930523C07I	0.01375616	0.0099688	0.0123404	-0.0023716	0.89959247	0.99999994
Cntrob	0.02860767	0.02303694	0.02540904	-0.0023721	0.73283645	0.99999994
1110059G10	0.20417522	0.15711137	0.15948348	-0.0023721	0.53943272	0.99999994
Actr3b	0.01366989	0.0098894	0.01226372	-0.0023743	0.90124994	0.99999994
Slc9a6	0.05155748	0.04272696	0.04510201	-0.002375	0.63702591	0.99999994

Syt16	0.0179837	0.01371192	0.01608701	-0.0023751	0.83713336	0.99999994
Al661453	0.0221863	0.01741283	0.01979046	-0.0023776	0.7880571	0.99999994
Tex9	0.09836081	0.08109887	0.08347692	-0.0023781	0.57519784	0.99999994
ltpk1	0.03238292	0.02631172	0.02868989	-0.0023782	0.70944375	0.99999994
Usp42	0.07102143	0.05896454	0.06134404	-0.0023795	0.60187201	0.99999994
Gm17546	0.01937953	0.01493806	0.01731937	-0.0023813	0.81995907	0.99999994
Zfp386	0.17717855	0.13893992	0.14132391	-0.002384	0.54470159	0.99999994
Dtnb	0.11455197	0.09360652	0.09599317	-0.0023867	0.56572293	0.99999994
Spata2l	0.0196345	0.01515654	0.01754423	-0.0023877	0.81750561	0.99999994
1010001B22	0.05080733	0.04207789	0.04446771	-0.0023898	0.63972777	0.99999994
Galc	0.0196627	0.01517739	0.01756909	-0.0023917	0.81756861	0.99999994
Ctu1	0.04860599	0.04020982	0.04260272	-0.0023929	0.64575059	0.99999994
Rnf213	0.02396374	0.01895742	0.02135052	-0.0023931	0.77219258	0.99999994
Mark4	0.0836747	0.06928579	0.07168447	-0.0023987	0.588128	0.99999994
Pnpla7	0.00769441	0.0045305	0.00693083	-0.0024003	0.98942428	0.99999994
Efna1	0.02265924	0.01780411	0.02020592	-0.0024018	0.78559212	0.99999994
Gm26759	0.01558825	0.01156433	0.01396669	-0.0024024	0.87388212	0.99999994
Axin2	0.02727915	0.02184732	0.02425057	-0.0024032	0.74526029	0.99999994
Plekhn3	0.02847851	0.02289214	0.0252965	-0.0024044	0.73652504	0.99999994
Lncpint	0.00955078	0.00618778	0.00859219	-0.0024044	0.96874738	0.99999994
Zfp141	0.02852823	0.02293394	0.02533982	-0.0024059	0.73630211	0.99999994
Zfp39	0.02784944	0.02234203	0.02474811	-0.0024061	0.74123289	0.99999994
Zdhhc13	0.09707388	0.08004527	0.0824524	-0.0024071	0.57703979	0.99999994
Klhl15	0.0275711	0.02209791	0.02450532	-0.0024074	0.74341934	0.99999994
Casp3	0.09368878	0.07733718	0.07974946	-0.0024123	0.57978486	0.99999994
Dnmt3b	0.03209077	0.02602426	0.02843659	-0.0024123	0.71385088	0.99999994
Pan2	0.02659582	0.02123811	0.02365389	-0.0024158	0.75168959	0.99999994
Eral1	0.06541982	0.05429534	0.05671188	-0.0024165	0.61165391	0.99999994
P2rx4	0.09872159	0.08134725	0.08376383	-0.0024166	0.57614268	0.99999994
Numb	0.05407236	0.04480695	0.04722393	-0.002417	0.63332801	0.99999994

Syne2	0.15846162	0.12583791	0.12825733	-0.0024194	0.54996151	0.99999994
Jak2	0.0269081	0.02150717	0.02392664	-0.0024195	0.74955569	0.99999994
Gm37459	0.00665523	0.00357723	0.005999	-0.0024218	0.99639672	0.99999994
Tsn	0.86698879	0.41157006	0.41399219	-0.0024221	0.5155325	0.99999994
Dennd3	0.01383783	0.00999084	0.01241298	-0.0024221	0.90300308	0.99999994
Zfp623	0.03152211	0.02552071	0.02794326	-0.0024226	0.71805568	0.99999994
Whamm	0.0481386	0.03978284	0.04220605	-0.0024232	0.64883124	0.99999994
AI597479	0.03867391	0.03169726	0.03412054	-0.0024233	0.68180085	0.99999994
Ddr1	0.34855437	0.24176127	0.24418517	-0.0024239	0.52634064	0.99999994
Egf	0.01156519	0.00796633	0.01039026	-0.0024239	0.93977126	0.99999994
Ppil4	0.3682027	0.25182959	0.25425419	-0.0024246	0.52530629	0.99999994
Wdr44	0.03634817	0.02969182	0.03211815	-0.0024263	0.69246436	0.99999994
Lgals1	0.21696848	0.16538568	0.1678148	-0.0024291	0.53837904	0.99999994
Ncoa3	0.05255253	0.04351283	0.04594242	-0.0024296	0.63758459	0.99999994
4732491K20I	0.02279351	0.01789129	0.02032382	-0.0024325	0.78718524	0.99999994
Ubt2	0.02845243	0.0228406	0.02527378	-0.0024332	0.73918233	0.99999994
Pla1a	0.02664429	0.02126304	0.02369623	-0.0024332	0.75285243	0.99999994
Zhx1	0.15360226	0.12236468	0.12479924	-0.0024346	0.5516577	0.99999994
Osgin1	0.02132243	0.01659411	0.0190309	-0.0024368	0.80297717	0.99999994
9130604C24I	0.02297453	0.01804453	0.02048275	-0.0024382	0.78592412	0.99999994
Rasgef1c	0.01305144	0.00927439	0.01171377	-0.0024394	0.91715444	0.99999994
Atg2a	0.04645732	0.03833566	0.04077714	-0.0024415	0.65488442	0.99999994
Hmgxb3	0.04007001	0.0328774	0.03531957	-0.0024422	0.67733343	0.99999994
Nr1d1	0.00704499	0.00390392	0.00634865	-0.0024447	0.99481478	0.99999994
Gpr19	0.01949135	0.01497209	0.01741799	-0.0024459	0.82503119	0.99999994
Wdr47	0.13846172	0.11140124	0.11384786	-0.0024466	0.5568733	0.99999994
Polr1e	0.0505532	0.04180529	0.04425268	-0.0024474	0.6436118	0.99999994
Taf15	0.18767018	0.1460266	0.14847583	-0.0024492	0.54371676	0.99999994
B3galnt2	0.03173193	0.02567399	0.02812533	-0.0024513	0.71909401	0.99999994
Ripk1	0.06853306	0.05683816	0.05929049	-0.0024523	0.608463	0.99999994

Lrriq3	0.00952876	0.00611941	0.0085725	-0.0024531	0.97159525	0.99999994
Pura	0.31300998	0.22267879	0.22513436	-0.0024556	0.52893847	0.99999994
Gfod2	0.16005398	0.12692847	0.12938464	-0.0024562	0.55027684	0.99999994
Ggct	0.15864817	0.1259292	0.12838955	-0.0024603	0.5507501	0.99999994
Rhot1	0.16299704	0.12899841	0.13146023	-0.0024618	0.54960036	0.99999994
lpo13	0.0512527	0.042382	0.04484437	-0.0024624	0.64262967	0.99999994
Plgrkt	0.35447485	0.24479021	0.24725296	-0.0024628	0.52643065	0.99999994
Sertad4	0.0097815	0.00633463	0.00879838	-0.0024637	0.96883454	0.99999994
Gm14286	0.00872988	0.00539424	0.00785804	-0.0024638	0.98155699	0.99999994
Rab23	0.07367916	0.06106568	0.06353003	-0.0024644	0.60187463	0.99999994
Cep85	0.02751354	0.02199065	0.0244551	-0.0024645	0.74882344	0.99999994
Ap5m1	0.04596034	0.03788883	0.04035415	-0.0024653	0.6578679	0.99999994
Wdr20	0.12381182	0.10052502	0.10299074	-0.0024657	0.5633077	0.99999994
A430033K04	0.04534648	0.03736212	0.0398313	-0.0024692	0.66006265	0.99999994
Sema4a	0.02307465	0.01809698	0.02057063	-0.0024737	0.78827135	0.99999994
A930029G22	0.01732317	0.0130262	0.01550302	-0.0024768	0.85620986	0.99999994
Soga3	0.03422422	0.02780572	0.03028408	-0.0024784	0.70703293	0.99999994
Mansc1	0.04264771	0.03504871	0.03752761	-0.0024789	0.66991814	0.99999994
B4galt2	0.01825528	0.01384724	0.01632696	-0.0024797	0.84398213	0.99999994
Prps2	0.03800366	0.03106336	0.03354411	-0.0024807	0.68873537	0.99999994
Fzd7	0.01104778	0.00744772	0.00992889	-0.0024812	0.95188203	0.99999994
Borcs6	0.12149124	0.09876529	0.101247	-0.0024817	0.56480234	0.99999994
Cpt1a	0.03764511	0.03075358	0.03323553	-0.002482	0.69043405	0.99999994
Poc1b	0.04977861	0.04111324	0.04359685	-0.0024836	0.64772927	0.99999994
Fosl2	0.02503959	0.01980933	0.022293	-0.0024837	0.77083039	0.99999994
Bhlhe41	0.01484931	0.01082513	0.01331123	-0.0024861	0.89310087	0.99999994
Adcy9	0.02543286	0.02015084	0.02263717	-0.0024863	0.76763976	0.99999994
Inpp5b	0.02959694	0.02378252	0.02627036	-0.0024878	0.73577225	0.99999994
Enkd1	0.04168825	0.03421862	0.03670663	-0.002488	0.67406786	0.99999994
Lrrfip1	0.11448952	0.09345639	0.09594561	-0.0024892	0.56855371	0.99999994

Kdm4b	0.06481712	0.05372205	0.05621147	-0.0024894	0.61592226	0.99999994
Tfap4	0.05634751	0.04664611	0.04913756	-0.0024915	0.63213079	0.99999994
Egfr	0.0051393	0.00214582	0.00463731	-0.0024915	0.99982573	0.99999994
Ccdc88a	0.28615525	0.20750133	0.20999502	-0.0024937	0.53150117	0.99999994
Dip2a	0.02426777	0.01912222	0.021617	-0.0024948	0.77881499	0.99999994
Rfc2	0.34979847	0.24233669	0.24483222	-0.0024955	0.52704629	0.99999994
Tceanc2	0.06017829	0.0498492	0.05234677	-0.0024976	0.62460139	0.99999994
Kcnq4	0.03495643	0.02841806	0.03091694	-0.0024989	0.70471269	0.99999994
Pcmdt2	0.23233843	0.17509753	0.17759821	-0.0025007	0.53733623	0.99999994
Mertk	0.00911763	0.00570323	0.00820491	-0.0025017	0.97879791	0.99999994
Fam163a	0.03522362	0.02864564	0.03114773	-0.0025021	0.70357225	0.99999994
Hnf1a	0.05686745	0.0470704	0.04957409	-0.0025037	0.63162945	0.99999994
Kif3c	0.01737784	0.01304728	0.01555138	-0.0025041	0.85809792	0.99999994
Xylt1	0.01383935	0.00990761	0.01241433	-0.0025067	0.91053513	0.99999994
Asxl2	0.28922503	0.20924838	0.21175893	-0.0025106	0.53145021	0.99999994
Cdc26	0.75647819	0.39245832	0.39497052	-0.0025122	0.51688524	0.99999994
Mphosph6	0.32848579	0.23105148	0.23356414	-0.0025127	0.52854321	0.99999994
Cyth3	0.04986037	0.04115326	0.04366611	-0.0025128	0.64915968	0.99999994
Alg8	0.05636527	0.04663869	0.04915248	-0.0025138	0.63323144	0.99999994
Abcd1	0.0425616	0.03494018	0.03745397	-0.0025138	0.67247376	0.99999994
Lonp2	0.19321343	0.14969123	0.1522059	-0.0025147	0.54378473	0.99999994
Fam162a	0.35851193	0.24681091	0.24932838	-0.0025175	0.52679241	0.99999994
Hip1	0.0172858	0.01295236	0.01546997	-0.0025176	0.86065471	0.99999994
9530077C05I	0.01656302	0.01231255	0.01483032	-0.0025178	0.87077454	0.99999994
Ccdc93	0.03543261	0.0288101	0.03132818	-0.0025181	0.70368216	0.99999994
Atl3	0.02905537	0.02327761	0.02579897	-0.0025214	0.74232669	0.99999994
Panx1	0.06547459	0.05423593	0.05675733	-0.0025214	0.61627199	0.99999994
C330018D20I	0.08209155	0.06787672	0.07039992	-0.0025232	0.59428045	0.99999994
Btbd3	0.08196164	0.06777062	0.0702944	-0.0025238	0.59444091	0.99999994
Gstk1	0.01905033	0.01450496	0.01702893	-0.002524	0.83807645	0.99999994

Mrpl15	0.44999066	0.29035624	0.29288108	-0.0025248	0.52287976	0.99999994
Slc12a2	0.02809891	0.0224407	0.02496564	-0.0025249	0.74959043	0.99999994
Asxl1	0.03717572	0.03030635	0.03283135	-0.002525	0.69564952	0.99999994
Enpp4	0.0918217	0.07572848	0.07825363	-0.0025252	0.58503562	0.99999994
Gfm1	0.08066367	0.06671335	0.06923911	-0.0025258	0.59592588	0.99999994
Filip1	0.07163874	0.05932514	0.06185245	-0.0025273	0.6071816	0.99999994
Zfp646	0.0955011	0.07867042	0.08119802	-0.0025276	0.58207494	0.99999994
Ctbs	0.0374759	0.03056167	0.03308986	-0.0025282	0.69447371	0.99999994
Lgi2	0.01014545	0.00659458	0.0091235	-0.0025289	0.96748585	0.99999994
Zfp335os	0.02346379	0.01838268	0.02091209	-0.0025294	0.78962351	0.99999994
Sptbn1	0.30508586	0.21820566	0.22073518	-0.0025295	0.53040131	0.99999994
Lnpep	0.02502467	0.01975025	0.02227993	-0.0025297	0.77510592	0.99999994
Tnk1	0.07307016	0.06049967	0.0630298	-0.0025301	0.60534156	0.99999994
Zfp729b	0.02937894	0.02354938	0.02608065	-0.0025313	0.74087193	0.99999994
Tmem30b	0.07839545	0.06485837	0.06739074	-0.0025324	0.59875625	0.99999994
Zfp251	0.02624152	0.02081187	0.02334432	-0.0025324	0.76488223	0.99999994
Tdrd3	0.05821858	0.04817343	0.05070705	-0.0025336	0.63027834	0.99999994
Rad51d	0.06306756	0.05222176	0.05475663	-0.0025349	0.62101415	0.99999994
Slc39a10	0.11377427	0.09286552	0.09540057	-0.002535	0.5701976	0.99999994
Slc22a17	0.15026252	0.11987037	0.12240679	-0.0025364	0.55485135	0.99999994
Akap10	0.04187219	0.03432678	0.0368641	-0.0025373	0.6765778	0.99999994
Lmo2	0.0146497	0.01059467	0.01313407	-0.0025394	0.90094764	0.99999994
Ankrd54	0.55182214	0.33176874	0.33430814	-0.0025394	0.52016262	0.99999994
Tcf19	0.0119642	0.00820587	0.01074584	-0.00254	0.94218108	0.99999994
Aldh3b1	0.02075649	0.0159924	0.01853281	-0.0025404	0.81922879	0.99999994
Pkhd1	0.01439205	0.01036403	0.01290531	-0.0025413	0.90502916	0.99999994
Cstf2	0.07634264	0.06317144	0.06571323	-0.0025418	0.60159112	0.99999994
Zbtb21	0.04453863	0.03660075	0.03914258	-0.0025418	0.66721977	0.99999994
Rspo4	0.02630021	0.02084943	0.0233956	-0.0025462	0.76559568	0.99999994
Gtf2f1	0.23295282	0.17543748	0.17798426	-0.0025468	0.53794016	0.99999994

Slf1	0.07542316	0.06241362	0.0649604	-0.0025468	0.60293979	0.99999994
Irs1	0.01168133	0.00794381	0.01049378	-0.00255	0.94711315	0.99999994
Tifa	0.01758968	0.01318866	0.0157387	-0.00255	0.85959227	0.99999994
Tob2	0.13707619	0.11028075	0.11283213	-0.0025514	0.55982064	0.99999994
Dgcr8	0.07503123	0.06208498	0.06463923	-0.0025543	0.60373615	0.99999994
Pdcd2l	0.18764599	0.14590349	0.14845948	-0.002556	0.54561926	0.99999994
Gm13830	0.03189754	0.02571281	0.028269	-0.0025562	0.72637773	0.99999994
Ubl7	0.4569786	0.29339154	0.29594925	-0.0025577	0.5229372	0.99999994
Zdhhc5	0.03496816	0.02836926	0.03092708	-0.0025578	0.70901601	0.99999994
St8sia1	0.01293684	0.00905316	0.01161181	-0.0025587	0.92877435	0.99999994
Ptprj	0.03546328	0.02879573	0.03135466	-0.0025589	0.70651835	0.99999994
Ttll3	0.04412756	0.03623275	0.03879184	-0.0025591	0.66971212	0.99999994
Obsl1	0.05516455	0.04558417	0.04814329	-0.0025591	0.6382661	0.99999994
Lnx2	0.03571356	0.02900867	0.03157069	-0.002562	0.70546222	0.99999994
Gm15728	0.03566982	0.02897078	0.03153295	-0.0025622	0.70569575	0.99999994
Cd74	0.01104095	0.00736051	0.0099228	-0.0025623	0.95717637	0.99999994
Elp6	0.10784473	0.08829135	0.09085763	-0.0025663	0.5745652	0.99999994
Ccdc30	0.02261109	0.01759683	0.02016364	-0.0025668	0.80159937	0.99999994
Nup133	0.03473193	0.02815614	0.03072297	-0.0025668	0.71093587	0.99999994
Tsix	0.04764292	0.03921826	0.04178511	-0.0025668	0.65869289	0.99999994
Anapc2	0.20302334	0.15615746	0.15872473	-0.0025673	0.54286833	0.99999994
Rxra	0.02683881	0.02129748	0.02386613	-0.0025687	0.76313021	0.99999994
Gm12500	0.00927647	0.0057772	0.00834696	-0.0025698	0.97978258	0.99999994
Clec1b	0.00664446	0.00341853	0.00598933	-0.0025708	0.9978624	0.99999994
Lrfrn1	0.03439325	0.0278589	0.03043023	-0.0025713	0.71309813	0.99999994
Qser1	0.07692305	0.06361532	0.06618797	-0.0025727	0.60207652	0.99999994
Hat1	0.16538301	0.13056209	0.13313557	-0.0025735	0.55118884	0.99999994
Rbl2	0.0264733	0.02097099	0.02354686	-0.0025759	0.76674256	0.99999994
C030037D09	0.01661226	0.0122974	0.01487392	-0.0025765	0.87555282	0.99999994
3110082I17R	0.096542	0.07945188	0.08202847	-0.0025766	0.58280819	0.99999994

Fancc	0.0222375	0.01725853	0.01983545	-0.0025769	0.80641488	0.99999994
Foxn2	0.03678075	0.02991406	0.03249105	-0.002577	0.70123039	0.99999994
Nup98	0.0208565	0.01604334	0.01862086	-0.0025775	0.82157371	0.99999994
Zc3hav1	0.00922141	0.00571791	0.00829772	-0.0025798	0.98075035	0.99999994
Paxbp1	0.0589543	0.04874304	0.05132313	-0.0025801	0.63104598	0.99999994
Hhat	0.01185661	0.00806886	0.01064998	-0.0025811	0.94665292	0.99999994
Ccdc85b	0.02836272	0.0226137	0.02519559	-0.0025819	0.75241333	0.99999994
Tmtc2	0.04339933	0.03558767	0.03817003	-0.0025824	0.67376338	0.99999994
Zfp961	0.07071074	0.0585031	0.06108799	-0.0025849	0.61089751	0.99999994
Cttnbp2	0.01104946	0.0073417	0.00993039	-0.0025887	0.95864771	0.99999994
Sae1	0.4007022	0.26763122	0.2702204	-0.0025892	0.52542712	0.99999994
Pacs2	0.04640539	0.03814122	0.04073295	-0.0025917	0.66404452	0.99999994
Faf2	0.37629316	0.25571664	0.25830847	-0.0025918	0.52662513	0.99999994
Trim12c	0.03267205	0.02634682	0.02894047	-0.0025936	0.72459387	0.99999994
Cd99l2	0.07465723	0.06173862	0.06433261	-0.002594	0.60580224	0.99999994
Sdk1	0.04746719	0.03904155	0.04163581	-0.0025943	0.66083603	0.99999994
Sdad1	0.0834019	0.06886602	0.0714633	-0.0025973	0.59557933	0.99999994
Gipc2	0.0172322	0.01281957	0.01542255	-0.002603	0.86937565	0.99999994
Ddhd2	0.16763849	0.13210915	0.13471336	-0.0026042	0.55119345	0.99999994
Acsl4	0.02743104	0.02177817	0.02438312	-0.0026049	0.76149697	0.99999994
Ano10	0.07035703	0.05818989	0.06079638	-0.0026065	0.61232148	0.99999994
Tagap1	0.03436569	0.02779738	0.0304064	-0.002609	0.71605042	0.99999994
Mmgt1	0.03690595	0.02998909	0.03259894	-0.0026099	0.70295016	0.99999994
Pde7a	0.04397682	0.03605303	0.03866317	-0.0026101	0.67341724	0.99999994
Zfp458	0.02274157	0.01766659	0.02027822	-0.0026116	0.80435306	0.99999994
Ccdc173	0.07071853	0.05847856	0.06109441	-0.0026159	0.61217893	0.99999994
Kctd18	0.04123254	0.03369979	0.03631632	-0.0026165	0.68423678	0.99999994
Mdc1	0.02621311	0.02070197	0.02331948	-0.0026175	0.77251322	0.99999994
Slc4a3	0.0384009	0.03126724	0.03388581	-0.0026186	0.69650642	0.99999994
Arhgap26	0.03186204	0.02561962	0.02823821	-0.0026186	0.73146799	0.99999994

Fam53c	0.04751415	0.03905485	0.04167571	-0.0026209	0.66224514	0.99999994
Mtrf1	0.02743501	0.02176473	0.02438658	-0.0026219	0.76289273	0.99999994
Gpd1l	0.02758069	0.02189178	0.02451368	-0.0026219	0.76174971	0.99999994
P2ry12	0.00677208	0.0034816	0.00610384	-0.0026222	0.99787913	0.99999994
Neur14	0.06117595	0.0505575	0.05317992	-0.0026224	0.62863478	0.99999994
Adam15	0.0206874	0.01584837	0.01847198	-0.0026236	0.82777654	0.99999994
Tbc1d19	0.15767174	0.12507322	0.12769707	-0.0026238	0.55439412	0.99999994
Itsn1	0.03730925	0.03032171	0.03294636	-0.0026246	0.70203904	0.99999994
Trmt2b	0.05099901	0.04200509	0.04462984	-0.0026247	0.65227521	0.99999994
Rhno1	0.15857168	0.12570818	0.12833534	-0.0026272	0.55419326	0.99999994
Net1	0.0279288	0.02218944	0.02481732	-0.0026279	0.75954361	0.99999994
Pias1	0.15827554	0.12549648	0.12812541	-0.0026289	0.55431768	0.99999994
Rrm2	0.03783908	0.03077293	0.03340249	-0.0026296	0.69986476	0.99999994
Tbc1d8b	0.02179937	0.01681999	0.01945036	-0.0026304	0.81598543	0.99999994
Blvrb	0.07359919	0.06083335	0.06346437	-0.002631	0.60870664	0.99999994
Cep120	0.05745797	0.04743797	0.0500695	-0.0026315	0.6367712	0.99999994
Champ1	0.04079697	0.03330997	0.03594304	-0.0026331	0.68709173	0.99999994
Ccdc77	0.07588084	0.06270174	0.06533524	-0.0026335	0.60576601	0.99999994
Nbn	0.03511514	0.02841934	0.03105404	-0.0026347	0.71387515	0.99999994
Mief1	0.03432773	0.02773771	0.03037358	-0.0026359	0.71825001	0.99999994
Gxylt1	0.07695123	0.06357316	0.06621101	-0.0026379	0.60456855	0.99999994
Osbpl6	0.02475168	0.01940249	0.02204091	-0.0026384	0.78721777	0.99999994
Ermp1	0.03295984	0.02655084	0.02918981	-0.002639	0.72634017	0.99999994
Actr8	0.1517262	0.12081755	0.1234569	-0.0026394	0.55658029	0.99999994
Trappc8	0.04397986	0.03602571	0.03866577	-0.0026401	0.67526198	0.99999994
Ndst1	0.04092291	0.03340645	0.036051	-0.0026445	0.68732469	0.99999994
Chac1	0.00879011	0.00526723	0.00791193	-0.0026447	0.98695971	0.99999994
Ptdss2	0.14518261	0.11609568	0.11874282	-0.0026471	0.55898281	0.99999994
Sgk2	0.01988635	0.01511908	0.01776626	-0.0026472	0.83935222	0.99999994
Hira	0.05760068	0.04754178	0.05018917	-0.0026474	0.63724751	0.99999994

Stat2	0.01942109	0.01470746	0.01735603	-0.0026486	0.84513169	0.99999994
Gm16315	0.00793513	0.00449777	0.0071465	-0.0026487	0.99318867	0.99999994
Galnt6	0.00697782	0.00363908	0.0062884	-0.0026493	0.99747908	0.99999994
Dppa5a	0.0189641	0.01430348	0.01695283	-0.0026494	0.85088663	0.99999994
Fam131a	0.07921569	0.06541002	0.06805978	-0.0026498	0.60224039	0.99999994
Cstf2t	0.09631337	0.07919587	0.08184616	-0.0026503	0.58532768	0.99999994
4930524007	0.01115805	0.00737665	0.01002724	-0.0026506	0.96075679	0.99999994
Nr6a1	0.03344449	0.02695843	0.02960947	-0.002651	0.72440172	0.99999994
Wbp1l	0.08136146	0.06715536	0.06980665	-0.0026513	0.59979325	0.99999994
Phf20l1	0.30758927	0.21947806	0.22213097	-0.0026529	0.53168129	0.99999994
Dus2	0.05396914	0.04448322	0.04713698	-0.0026538	0.64607504	0.99999994
Gng13	0.05954336	0.04916176	0.05181598	-0.0026542	0.63343503	0.99999994
Tor1aip1	0.1884752	0.14636314	0.14901963	-0.0026565	0.54722734	0.99999994
Slc30a1	0.02445889	0.0191274	0.02178446	-0.0026571	0.79156907	0.99999994
Mia2	0.01767877	0.01316031	0.01581747	-0.0026572	0.86825856	0.99999994
Lrch3	0.06628629	0.05477341	0.0574306	-0.0026572	0.62094971	0.99999994
Selenbp1	0.03467165	0.02801146	0.03067087	-0.0026594	0.71808448	0.99999994
Dhx40	0.22163472	0.16815064	0.17081116	-0.0026605	0.54128754	0.99999994
Slc27a1	0.06833774	0.05646814	0.05912902	-0.0026609	0.61773763	0.99999994
Narf	0.14180039	0.11362503	0.11628613	-0.0026611	0.56053456	0.99999994
Stim1	0.02811086	0.02231104	0.02497606	-0.002665	0.7612267	0.99999994
Tanc2	0.02264728	0.01753015	0.02019542	-0.0026653	0.81015424	0.99999994
Exoc2	0.04866079	0.03998386	0.04264922	-0.0026654	0.66129059	0.99999994
Vps25	0.04257213	0.03479668	0.03746298	-0.0026663	0.68215867	0.99999994
Brip1os	0.05057669	0.04160535	0.04427256	-0.0026672	0.655795	0.99999994
Yod1	0.10936289	0.08935753	0.09202494	-0.0026674	0.57649681	0.99999994
Spaca6	0.02771113	0.02195808	0.02462748	-0.0026694	0.76469603	0.99999994
Wdr49	0.01229669	0.00837011	0.011042	-0.0026719	0.94637425	0.99999994
Zbtb6	0.04420539	0.03618618	0.03885826	-0.0026721	0.67642399	0.99999994
Echdc3	0.01871012	0.01405635	0.01672864	-0.0026723	0.85617868	0.99999994

Rab12	0.08403498	0.06930225	0.07197643	-0.0026742	0.59766483	0.99999994
Stxbp5	0.0313474	0.02511688	0.02779162	-0.0026747	0.73911684	0.99999994
Arhgef11	0.03258764	0.02618967	0.02886733	-0.0026777	0.73152302	0.99999994
Zfp185	0.02040991	0.01554869	0.0182276	-0.0026789	0.83603317	0.99999994
Zeb1	0.03939965	0.03206409	0.03474412	-0.00268	0.69618002	0.99999994
Socs6	0.13086193	0.10556815	0.1082483	-0.0026801	0.56545189	0.99999994
Zfp35	0.04353275	0.0356029	0.038284	-0.0026811	0.67944846	0.99999994
Mphosph10	0.20904356	0.15999051	0.16267442	-0.0026839	0.54372428	0.99999994
Cyp2u1	0.01638974	0.0119909	0.01467688	-0.002686	0.88841893	0.99999994
Plxna1	0.0178443	0.01327703	0.0159638	-0.0026868	0.86870501	0.99999994
Pde8a	0.01453798	0.01034694	0.01303488	-0.0026879	0.91506433	0.99999994
Rap1gapos	0.02277292	0.01761688	0.02030575	-0.0026889	0.81095726	0.99999994
Rfng	0.07077733	0.0584524	0.06114288	-0.0026905	0.61520085	0.99999994
Herc3	0.03825507	0.03106872	0.03376039	-0.0026917	0.70218749	0.99999994
Tmem43	0.06885019	0.05686085	0.05955257	-0.0026917	0.61823968	0.99999994
Zg16	0.02758609	0.02182486	0.0245184	-0.0026935	0.76768714	0.99999994
Cdh22	0.01079774	0.00701225	0.00970581	-0.0026936	0.96764608	0.99999994
Hpse	0.00852308	0.00497494	0.00767297	-0.002698	0.99037249	0.99999994
Pla2g15	0.02759207	0.0218219	0.02452362	-0.0027017	0.76831713	0.99999994
Mbd5	0.05150188	0.04235279	0.04505502	-0.0027022	0.65513549	0.99999994
Lrrc56	0.03493189	0.0281931	0.03089574	-0.0027026	0.71980898	0.99999994
Foxj2	0.01609738	0.01171397	0.01441791	-0.0027039	0.89404616	0.99999994
Tesc	0.01279088	0.00877759	0.01148194	-0.0027043	0.94153342	0.99999994
Nfu1	0.50951862	0.31522517	0.31793075	-0.0027056	0.52258617	0.99999994
Ercc2	0.04598169	0.03766456	0.04037233	-0.0027078	0.67236072	0.99999994
Taf2	0.06913048	0.0570762	0.05978412	-0.0027079	0.61848294	0.99999994
Nsun3	0.02537022	0.01987401	0.02258236	-0.0027084	0.78765523	0.99999994
Ccnt1	0.34145194	0.237755	0.24046566	-0.0027107	0.52990619	0.99999994
Cyth1	0.08714832	0.07178307	0.07449375	-0.0027107	0.59569209	0.99999994
Zfp777	0.0244351	0.01905138	0.02176362	-0.0027122	0.79659821	0.99999994

Eif2b5	0.25208174	0.18709995	0.1898131	-0.0027131	0.53790001	0.99999994
Pfas	0.04327986	0.03535434	0.03806796	-0.0027136	0.68242427	0.99999994
Zfp212	0.09211057	0.07577164	0.07848529	-0.0027137	0.59101062	0.99999994
Six5	0.01602564	0.01163872	0.01435435	-0.0027156	0.8960357	0.99999994
Men1	0.16087815	0.12724949	0.12996697	-0.0027175	0.55534503	0.99999994
Tprn	0.02136006	0.01634623	0.019064	-0.0027178	0.82867229	0.99999994
Vipas39	0.18414138	0.14336582	0.14608375	-0.0027179	0.54928053	0.99999994
Strn	0.01766665	0.01308821	0.01580676	-0.0027186	0.87385512	0.99999994
Lrrtm2	0.00933441	0.00567889	0.00839876	-0.0027199	0.98444291	0.99999994
Glod4	0.39434312	0.26444221	0.26716253	-0.0027203	0.52701836	0.99999994
Pacs1	0.02197403	0.01688074	0.0196039	-0.0027232	0.82242038	0.99999994
Ctns	0.04563839	0.03735682	0.04007999	-0.0027232	0.67445737	0.99999994
Pcgf3	0.20107764	0.15471657	0.15743992	-0.0027234	0.54583292	0.99999994
Zfp1	0.07670661	0.06328644	0.06601098	-0.0027245	0.60824018	0.99999994
Unkl	0.01708707	0.01256939	0.01529415	-0.0027248	0.88216491	0.99999994
Anks6	0.04345241	0.03549015	0.03821537	-0.0027252	0.68249175	0.99999994
Gm14305	0.04916263	0.04034703	0.04307482	-0.0027278	0.66331456	0.99999994
3830406C13I	0.22253651	0.1686591	0.17138763	-0.0027285	0.54219722	0.99999994
2700033N17	0.08647675	0.0712182	0.0739516	-0.0027334	0.59717162	0.99999994
Hps6	0.0250029	0.01952702	0.02226087	-0.0027339	0.79316903	0.99999994
Gm17259	0.04406733	0.03600586	0.03874043	-0.0027346	0.68076981	0.99999994
Tjp2	0.03597358	0.02905766	0.03179506	-0.0027374	0.71670466	0.99999994
Zfp365	0.00802479	0.00448846	0.00722681	-0.0027383	0.99416875	0.99999994
9030612E09I	0.01388424	0.00971564	0.01245422	-0.0027386	0.92835939	0.99999994
Met	0.02153991	0.01648149	0.0192222	-0.0027407	0.82870666	0.99999994
Usp10	0.14842387	0.1183426	0.12108415	-0.0027416	0.55989828	0.99999994
Cdt1	0.02796314	0.02210546	0.02484726	-0.0027418	0.76867949	0.99999994
Gdpgp1	0.04086121	0.03325408	0.03599812	-0.002744	0.69406134	0.99999994
Lrrc51	0.03385518	0.02721884	0.02996488	-0.002746	0.72906953	0.99999994
Mast1	0.01957856	0.01474867	0.01749491	-0.0027462	0.85195917	0.99999994

Zim1	0.07536518	0.06216634	0.0649129	-0.0027466	0.61089043	0.99999994
Crnkl1	0.21924913	0.16653326	0.16928208	-0.0027488	0.54303646	0.99999994
Src	0.06169714	0.0508657	0.05361473	-0.002749	0.63355979	0.99999994
Ccnc	0.16651176	0.13117555	0.13392589	-0.0027503	0.5543648	0.99999994
1810034E14I	0.01956898	0.01473586	0.01748645	-0.0027506	0.85245855	0.99999994
Nme7	0.08010046	0.0660291	0.06878066	-0.0027516	0.60499066	0.99999994
Sesn1	0.1047453	0.08571393	0.08846549	-0.0027516	0.58200856	0.99999994
Rictor	0.05166142	0.04243748	0.04518984	-0.0027524	0.65741416	0.99999994
Tulp3	0.07694797	0.06345542	0.06620835	-0.0027529	0.60902168	0.99999994
Hspb6	0.05844109	0.0481404	0.05089344	-0.002753	0.64060282	0.99999994
Lrp12	0.0421972	0.0343873	0.03714225	-0.0027549	0.68924861	0.99999994
Hmg20a	0.06563152	0.05413258	0.05688756	-0.002755	0.62640917	0.99999994
Trmt1l	0.24436852	0.18233122	0.18508731	-0.0027561	0.53947774	0.99999994
Ing1	0.29669431	0.21325882	0.21601502	-0.0027562	0.53384171	0.99999994
Kdm6a	0.14267688	0.1141672	0.11692406	-0.0027569	0.56235589	0.99999994
Ccdc71	0.11979695	0.09721284	0.0999697	-0.0027569	0.57282155	0.99999994
Zbtb33	0.05010229	0.04111238	0.04387099	-0.0027586	0.66222809	0.99999994
Ift140	0.01776461	0.01313438	0.01589336	-0.002759	0.87605703	0.99999994
Hdac10	0.03869131	0.03137606	0.0341355	-0.0027594	0.70474122	0.99999994
Amdhd2	0.12399404	0.10036552	0.10312739	-0.0027619	0.57074248	0.99999994
Plekhm1	0.01848801	0.01377035	0.01653252	-0.0027622	0.86695457	0.99999994
Ppa1	0.40155275	0.26786252	0.27062707	-0.0027646	0.52710601	0.99999994
Txndc16	0.03224804	0.02580612	0.02857296	-0.0027668	0.74039489	0.99999994
H2-DMa	0.03463491	0.0278717	0.03063912	-0.0027674	0.72615475	0.99999994
Engase	0.02646016	0.02076776	0.02353538	-0.0027676	0.78311191	0.99999994
Prdm15	0.03029614	0.02411073	0.02687843	-0.0027677	0.75345781	0.99999994
Ttc38	0.0273101	0.02150609	0.02427758	-0.0027715	0.77633608	0.99999994
Wdr6	0.32753503	0.23027832	0.23305223	-0.0027739	0.53157412	0.99999994
Nfatc3	0.0466008	0.03812214	0.04089921	-0.0027771	0.67435405	0.99999994
Rap1gds1	0.03824683	0.03097595	0.0337533	-0.0027774	0.70805478	0.99999994

2310068J16F	0.02488866	0.01938275	0.02216086	-0.0027781	0.79798549	0.99999994
Cers6	0.10945296	0.08931504	0.09209411	-0.0027791	0.57959789	0.99999994
Gm12976	0.01160011	0.0076354	0.01042139	-0.002786	0.96241868	0.99999994
Tmtc4	0.1151212	0.09363987	0.09642644	-0.0027866	0.5762692	0.99999994
Pigg	0.02449722	0.01903046	0.02181803	-0.0027876	0.80246148	0.99999994
Gm26724	0.0829743	0.06832861	0.07111165	-0.0027879	0.6029308	0.99999994
Lsm14b	0.08091742	0.06665696	0.06944556	-0.0027886	0.60537605	0.99999994
Nup155	0.04594106	0.03754661	0.04033773	-0.0027911	0.67744965	0.99999994
Phf20	0.25224431	0.18712012	0.18991207	-0.0027919	0.53897703	0.99999994
Avpi1	0.09470105	0.07776667	0.08055897	-0.0027923	0.59123373	0.99999994
Gpsm2	0.03502493	0.02818366	0.03097612	-0.0027925	0.72576808	0.99999994
Ric3	0.05905394	0.04861178	0.05140653	-0.0027947	0.64127787	0.99999994
Gabbr2	0.03094326	0.02464551	0.02744072	-0.0027952	0.75112638	0.99999994
Pip4k2b	0.02579654	0.0201593	0.02295529	-0.002796	0.79124686	0.99999994
Zfp946	0.03628275	0.02926574	0.03206173	-0.002796	0.71920383	0.99999994
Eif4ebp2	0.06305413	0.05194933	0.05474545	-0.0027961	0.63306128	0.99999994
Cd276	0.04313025	0.03514075	0.03794012	-0.0027994	0.68833344	0.99999994
Thada	0.01513822	0.01076628	0.01356758	-0.0028013	0.91533212	0.99999994
Phactr3	0.00575323	0.00238538	0.00518911	-0.0028037	0.99983874	0.99999994
Amer2	0.0450137	0.03674324	0.03954768	-0.0028044	0.68154434	0.99999994
Zfp36l2	0.03627266	0.02924682	0.03205304	-0.0028062	0.71997207	0.99999994
Med24	0.08419218	0.0692955	0.07210377	-0.0028083	0.60227873	0.99999994
Rb1	0.06005266	0.04943259	0.05224179	-0.0028092	0.63980312	0.99999994
Abcg1	0.08569361	0.07050896	0.07331879	-0.0028098	0.60067487	0.99999994
Cdk17	0.03877303	0.03139536	0.03420575	-0.0028104	0.70777473	0.99999994
Trmt12	0.08622237	0.07093436	0.07374612	-0.0028118	0.60017133	0.99999994
Slc37a1	0.13082301	0.10540738	0.10821945	-0.0028121	0.56866033	0.99999994
Akap8l	0.32689446	0.22989472	0.23270689	-0.0028122	0.53205611	0.99999994
Zbtb26	0.03522706	0.02833845	0.0311507	-0.0028122	0.72605616	0.99999994
Tex26	0.01269883	0.00858689	0.01140001	-0.0028131	0.9497623	0.99999994

Klhdc3	0.20128396	0.15476251	0.15757636	-0.0028138	0.547308	0.99999994
Stard3	0.12622417	0.10198055	0.10479651	-0.002816	0.57097657	0.99999994
Cars	0.10803057	0.08818365	0.09100068	-0.002817	0.58162588	0.99999994
Carm1	0.0503032	0.04122347	0.04404109	-0.0028176	0.66489263	0.99999994
Usp1	0.0964019	0.07909756	0.08191676	-0.0028192	0.59059724	0.99999994
Rnpc3	0.15230433	0.12104974	0.12387099	-0.0028213	0.56025015	0.99999994
Dtymk	0.38650013	0.2605254	0.26334684	-0.0028214	0.52842636	0.99999994
Plcg1	0.0675707	0.05566853	0.05849451	-0.002826	0.62611503	0.99999994
Gm42726	0.03685885	0.02973075	0.03255836	-0.0028276	0.71839721	0.99999994
Maneal	0.00731943	0.00376574	0.00659474	-0.002829	0.9978511	0.99999994
Nrde2	0.04775427	0.03905033	0.0418797	-0.0028294	0.67353659	0.99999994
Ttll12	0.06501765	0.05354809	0.05637802	-0.0028299	0.63085546	0.99999994
Ogfod1	0.02980478	0.02362077	0.02645116	-0.0028304	0.76184843	0.99999994
Gm14091	0.01237731	0.00828165	0.011111378	-0.0028321	0.95508042	0.99999994
Kpna4	0.1154572	0.09384904	0.09668198	-0.0028329	0.5773202	0.99999994
Fchsd2	0.0668677	0.05507853	0.05791242	-0.0028339	0.62768302	0.99999994
Pml	0.02406403	0.01860401	0.02143843	-0.0028344	0.81058478	0.99999994
Plcd1	0.01673458	0.01214756	0.01498221	-0.0028346	0.89605519	0.99999994
Pick1	0.39103619	0.26272489	0.2655599	-0.002835	0.52832517	0.99999994
Adgrv1	0.02672668	0.02093041	0.0237682	-0.0028378	0.78661516	0.99999994
Mapkap1	0.12795735	0.10325028	0.10608952	-0.0028392	0.57069431	0.99999994
Unc79	0.01949531	0.01458171	0.01742148	-0.0028398	0.86104211	0.99999994
Agps	0.0559072	0.04592625	0.04876767	-0.0028414	0.65092818	0.99999994
Tmem143	0.02938414	0.02324357	0.02608518	-0.0028416	0.7658091	0.99999994
Clnn	0.01385559	0.00958713	0.01242876	-0.0028416	0.93597863	0.99999994
Cntn3	0.01387881	0.00960756	0.0124494	-0.0028418	0.93567595	0.99999994
Gm7334	0.03634312	0.02927188	0.03211379	-0.0028419	0.72208784	0.99999994
Brdt	0.03259772	0.02603309	0.02887606	-0.002843	0.74387796	0.99999994
Gusb	0.16582513	0.13060148	0.13344529	-0.0028438	0.55640147	0.99999994
Atp11a	0.05794548	0.04763416	0.05047821	-0.0028441	0.64618228	0.99999994

Pik3cb	0.01386832	0.00959094	0.01244007	-0.0028491	0.93630768	0.99999994
Stx1a	0.15061455	0.11981043	0.12265958	-0.0028491	0.56143736	0.99999994
Nars2	0.04117233	0.03341395	0.03626474	-0.0028508	0.69960305	0.99999994
Celsr3	0.03767549	0.03041084	0.03326169	-0.0028509	0.71583562	0.99999994
Dnajc17	0.15163629	0.12053971	0.12339247	-0.0028528	0.56115197	0.99999994
Slc6a17	0.01315934	0.00895687	0.01180975	-0.0028529	0.94607982	0.99999994
Pitpnm3	0.00967868	0.00585284	0.00870649	-0.0028537	0.98543406	0.99999994
Pja1	0.48174602	0.30369083	0.30654634	-0.0028555	0.52472044	0.99999994
Med22	0.09758906	0.08000707	0.08286273	-0.0028557	0.59071923	0.99999994
Rpp30	0.2009365	0.1544905	0.15734657	-0.0028561	0.54808415	0.99999994
Bloc1s6	0.12313785	0.09962883	0.10248498	-0.0028561	0.57358379	0.99999994
Fbxw17	0.05306689	0.04351926	0.04637641	-0.0028572	0.65912815	0.99999994
Plxna2	0.01860703	0.01378004	0.01663762	-0.0028576	0.8735344	0.99999994
Uxs1	0.07802229	0.06422758	0.06708613	-0.0028586	0.61165256	0.99999994
Hus1	0.04779112	0.03904999	0.04191099	-0.002861	0.67522522	0.99999994
Tom1	0.05310996	0.04355092	0.04641274	-0.0028618	0.65925588	0.99999994
Ppp2r5e	0.18924677	0.14667833	0.14954018	-0.0028618	0.55068293	0.99999994
Rcc2	0.15075404	0.11989096	0.1227597	-0.0028687	0.56180658	0.99999994
Cers2	0.32496734	0.22879687	0.23166586	-0.002869	0.53284891	0.99999994
Mterf1a	0.02470668	0.01913175	0.0220015	-0.0028698	0.80736261	0.99999994
Akip1	0.10519604	0.08594408	0.08881412	-0.00287	0.58515587	0.99999994
Bcl2l1	0.17754742	0.1387071	0.14157741	-0.0028703	0.55367421	0.99999994
Tmcc2	0.02766784	0.02171933	0.02458971	-0.0028704	0.78142185	0.99999994
Cep57l1	0.04408969	0.03588781	0.03875952	-0.0028717	0.68905448	0.99999994
Wdr33	0.19139061	0.14810618	0.15098317	-0.002877	0.55046546	0.99999994
Kif13b	0.03088117	0.02450461	0.02738678	-0.0028822	0.75819634	0.99999994
Dtnbp1	0.07743529	0.06372406	0.06660667	-0.0028826	0.61335507	0.99999994
Gpalpp1	0.08105959	0.06667752	0.0695612	-0.0028837	0.60870313	0.99999994
Kctd11	0.06616354	0.05444142	0.05732884	-0.0028874	0.63128315	0.99999994
Atad3a	0.15087592	0.11995855	0.12284717	-0.0028886	0.56218736	0.99999994

Ak5	0.01517914	0.01071507	0.01360388	-0.0028888	0.92124408	0.99999994
Anxa11	0.11032423	0.08987299	0.09276263	-0.0028896	0.58213236	0.99999994
Arih1	0.12840801	0.10353373	0.10642514	-0.0028914	0.57175467	0.99999994
Dhx33	0.02027653	0.01521795	0.01811101	-0.0028922	0.85611098	0.99999994
Mlst8	0.03446443	0.02759934	0.03049176	-0.0028924	0.73611559	0.99999994
Atp9b	0.03299201	0.02632475	0.02921767	-0.0028929	0.74507302	0.99999994
Edc3	0.09803267	0.0803207	0.08321585	-0.0028952	0.59156814	0.99999994
Plekhb1	0.0580847	0.04769711	0.05059488	-0.0028978	0.64848622	0.99999994
Tnk2	0.01575988	0.01122001	0.01411883	-0.0028988	0.91413352	0.99999994
Ttc22	0.01390772	0.00957605	0.01247508	-0.002899	0.93904933	0.99999994
Dst	0.4658724	0.29690303	0.29980396	-0.0029009	0.52567713	0.99999994
Usp2	0.0331192	0.02642522	0.02932783	-0.0029026	0.74498401	0.99999994
Sntg1	0.01062174	0.0066442	0.00954875	-0.0029045	0.97855292	0.99999994
0610040B10	0.07623015	0.06271543	0.06562117	-0.0029057	0.61590652	0.99999994
Rnmt	0.164162	0.12937092	0.13227903	-0.0029081	0.55817263	0.99999994
Arl13b	0.10249531	0.08381237	0.08672138	-0.002909	0.58834217	0.99999994
Grin1	0.00707948	0.00346934	0.00637958	-0.0029102	0.9988033	0.99999994
Jmjd1c	0.14041042	0.11236044	0.11527261	-0.0029122	0.56677196	0.99999994
Zfp799	0.03305722	0.02635847	0.02927415	-0.0029157	0.74632471	0.99999994
Polr2h	0.29658236	0.21303541	0.21595161	-0.0029162	0.53581151	0.99999994
Inafm2	0.02841221	0.02231723	0.02523873	-0.0029215	0.77949946	0.99999994
Atxn1l	0.04405481	0.03580783	0.03872975	-0.0029219	0.69222934	0.99999994
Pgpep1	0.18969324	0.14691691	0.14984111	-0.0029242	0.55167763	0.99999994
Cmpk2	0.0190697	0.0141203	0.01704603	-0.0029257	0.87337227	0.99999994
Yars2	0.07182729	0.05907933	0.06200765	-0.0029283	0.62337158	0.99999994
Zfp334	0.02971134	0.02343893	0.02636988	-0.002931	0.77030114	0.99999994
Def8	0.09221412	0.07563632	0.07856832	-0.002932	0.59808772	0.99999994
AW146154	0.05708059	0.04682072	0.04975294	-0.0029322	0.65258072	0.99999994
Clcn6	0.02210632	0.01678662	0.01972017	-0.0029336	0.83896032	0.99999994
Stamp	0.18626869	0.14459323	0.14752741	-0.0029342	0.55266167	0.99999994

Dhx16	0.07095925	0.05835679	0.0612928	-0.002936	0.62507933	0.99999994
Spink13	0.01471364	0.01025092	0.01319082	-0.0029399	0.93103384	0.99999994
Tbc1d2b	0.02254464	0.01716479	0.02010527	-0.0029405	0.83485268	0.99999994
Ak2	0.59064496	0.3454273	0.34836848	-0.0029412	0.52240785	0.99999994
Ppp2r5d	0.07429686	0.0610943	0.06403702	-0.0029427	0.62015314	0.99999994
Grpel2	0.17501559	0.1368884	0.13983412	-0.0029457	0.55575761	0.99999994
Cln8	0.08896797	0.07301421	0.0759604	-0.0029462	0.60186292	0.99999994
Dcun1d4	0.03683706	0.02959327	0.03253958	-0.0029463	0.72664708	0.99999994
Cc2d2b	0.00919055	0.00532377	0.00827013	-0.0029464	0.99114025	0.99999994
Gnptab	0.01783451	0.01300876	0.01595514	-0.0029464	0.89050322	0.99999994
Polr3f	0.09545282	0.07821304	0.08115947	-0.0029464	0.59547564	0.99999994
Susd4	0.01586923	0.01126796	0.01421575	-0.0029478	0.91624758	0.99999994
Nckipsd	0.01984017	0.01477692	0.01772556	-0.0029486	0.86591402	0.99999994
Dtx3	0.28331225	0.20540488	0.20835359	-0.0029487	0.53752631	0.99999994
Pomc	0.11006362	0.08961313	0.09256277	-0.0029496	0.58399101	0.99999994
Dkc1	0.127476	0.10277746	0.10573078	-0.0029533	0.57374975	0.99999994
Orc5	0.05184111	0.04238785	0.04534167	-0.0029538	0.66772278	0.99999994
Pomk	0.01867344	0.01374213	0.01669625	-0.0029541	0.88054788	0.99999994
Knstrn	0.03226215	0.0256307	0.02858519	-0.0029545	0.75426828	0.99999994
Irf3	0.24765237	0.18415186	0.18710638	-0.0029545	0.54185487	0.99999994
Zfp780b	0.04489582	0.03649095	0.03944719	-0.0029562	0.69105335	0.99999994
Bahd1	0.03350938	0.02670756	0.02966564	-0.0029581	0.74656921	0.99999994
Fads1	0.02752857	0.02150961	0.02446822	-0.0029586	0.78955023	0.99999994
A130010J15F	0.12427612	0.10037546	0.10333884	-0.0029634	0.57569034	0.99999994
Zfp931	0.05559249	0.04553973	0.04850315	-0.0029634	0.65788087	0.99999994
Ddx55	0.18400388	0.14302675	0.14599028	-0.0029635	0.5537417	0.99999994
Ino80d	0.15368612	0.12189523	0.12485915	-0.0029639	0.56277514	0.99999994
Slc5a1	0.02214179	0.01678689	0.01975134	-0.0029645	0.84111328	0.99999994
Gk5	0.03441839	0.02748638	0.03045197	-0.0029656	0.74158355	0.99999994
Gipc1	0.58073243	0.34189838	0.34486422	-0.0029658	0.52282493	0.99999994

Crebl2	0.03374388	0.02689842	0.02986858	-0.0029702	0.74598738	0.99999994
Yme1l1	0.37773772	0.25605235	0.2590265	-0.0029742	0.530461	0.99999994
Zfp707	0.08256978	0.06781227	0.07078822	-0.002976	0.61019801	0.99999994
Dusp12	0.17310048	0.13553413	0.13851059	-0.0029765	0.55687027	0.99999994
Tmem25	0.0149173	0.01039345	0.01337157	-0.0029781	0.93089665	0.99999994
Tada1	0.14283237	0.11405814	0.11703713	-0.002979	0.56726955	0.99999994
Crybb3	0.01374028	0.00934686	0.01232629	-0.0029794	0.94618425	0.99999994
Qrs1	0.0506774	0.04137772	0.04435779	-0.0029801	0.67263124	0.99999994
Vps16	0.08116504	0.06666638	0.06964695	-0.0029806	0.61212512	0.99999994
Zfp800	0.12263879	0.0991287	0.10211012	-0.0029814	0.57705013	0.99999994
Rasal2	0.02449423	0.01883245	0.02181541	-0.002983	0.81863304	0.99999994
Dusp14	0.0176052	0.01276562	0.01575243	-0.0029868	0.8965452	0.99999994
Ruvbl2	0.24797373	0.18431541	0.1873034	-0.002988	0.54228301	0.99999994
Dpy19l4	0.05072085	0.04140573	0.04439454	-0.0029888	0.67297088	0.99999994
Zfp74	0.03847486	0.0309592	0.03394941	-0.0029902	0.7211563	0.99999994
Matn2	0.00908867	0.00518643	0.00817901	-0.0029926	0.99256359	0.99999994
Ttc7	0.03111946	0.02460063	0.02759373	-0.0029931	0.76485804	0.99999994
Gm14295	0.02965908	0.02333082	0.02632442	-0.0029936	0.77546214	0.99999994
Szt2	0.01964885	0.01456286	0.01755689	-0.002994	0.87183926	0.99999994
Aatf	0.13171749	0.10588677	0.10888213	-0.0029954	0.57264712	0.99999994
Lrp3	0.01777858	0.01291015	0.01590571	-0.0029956	0.89500806	0.99999994
Plagl2	0.04945243	0.0403244	0.04332047	-0.0029961	0.67737025	0.99999994
Naprt	0.04319645	0.03500035	0.03799668	-0.0029963	0.70017533	0.99999994
1110020A21	0.11181995	0.09091126	0.09390809	-0.0029968	0.58411031	0.99999994
Atg9a	0.07434803	0.06108035	0.064079	-0.0029987	0.62228664	0.99999994
Klk1	0.01585454	0.01120369	0.01420273	-0.002999	0.92007138	0.99999994
Pprc1	0.01826682	0.01333749	0.01633715	-0.0029997	0.88917911	0.99999994
Slc9a7	0.02289591	0.01740795	0.02041374	-0.0030058	0.83648239	0.99999994
Fcho2	0.14325639	0.1143381	0.11734534	-0.0030072	0.5677247	0.99999994
Ankrd16	0.0961133	0.07867812	0.08168658	-0.0030085	0.59682942	0.99999994

Hs2st1	0.09254831	0.07582766	0.07883619	-0.0030085	0.60025947	0.99999994
Chmp6	0.21607136	0.16422737	0.16723616	-0.0030088	0.54766194	0.99999994
Rbm19	0.02995954	0.02357583	0.02658577	-0.0030099	0.77445782	0.99999994
Mtmr10	0.02388452	0.01826892	0.02128107	-0.0030122	0.82694196	0.99999994
Pla2g1b	0.03899043	0.0313791	0.03439258	-0.0030135	0.72013041	0.99999994
Sigirr	0.05458436	0.04463896	0.04765507	-0.0030161	0.66322595	0.99999994
Gm15446	0.03520779	0.02811761	0.03113405	-0.0030164	0.74050621	0.99999994
Map2k5	0.11043231	0.08982901	0.0928455	-0.0030165	0.5856078	0.99999994
Gzf1	0.08767391	0.07189838	0.07491773	-0.0030193	0.60575255	0.99999994
Csnk2a2	0.02856207	0.02234869	0.02536931	-0.0030206	0.78597824	0.99999994
Celsr1	0.03316988	0.02635076	0.02937171	-0.003021	0.75320897	0.99999994
Zfp92	0.03493109	0.02787372	0.03089505	-0.0030213	0.74246024	0.99999994
Zbtb25	0.03185523	0.02520993	0.02823229	-0.0030224	0.76194902	0.99999994
Osbpl3	0.01209273	0.00783795	0.01086034	-0.0030224	0.96801877	0.99999994
Rnf31	0.02959292	0.02324348	0.02626686	-0.0030234	0.77821052	0.99999994
Mapkbp1	0.02760506	0.02151139	0.02453495	-0.0030236	0.79397642	0.99999994
Zkscan8	0.03917159	0.03152385	0.03454823	-0.0030244	0.71995299	0.99999994
Scrn3	0.07542298	0.06193381	0.06496025	-0.0030264	0.62176259	0.99999994
Nbeal2	0.04709603	0.03829358	0.04132035	-0.0030268	0.68707896	0.99999994
Slco1a6	0.01243448	0.00813725	0.01116469	-0.0030274	0.96445906	0.99999994
Cep164	0.15762271	0.12463377	0.12766226	-0.0030285	0.56273473	0.99999994
Atl2	0.14470685	0.11536858	0.11839806	-0.0030295	0.56761987	0.99999994
Slc12a6	0.05924917	0.04853895	0.05156989	-0.0030309	0.65218141	0.99999994
Rarres2	0.01796456	0.01303817	0.01607008	-0.0030319	0.89541342	0.99999994
Napb	0.02920009	0.02288984	0.02592497	-0.0030351	0.78209427	0.99999994
Cog1	0.2183484	0.1656662	0.16870323	-0.003037	0.54769075	0.99999994
Pum3	0.20905058	0.15963996	0.162679	-0.003039	0.54948053	0.99999994
Tpk1	0.05520526	0.04513839	0.04817753	-0.0030391	0.66271952	0.99999994
Pogk	0.069873	0.05735614	0.06039711	-0.003041	0.63124205	0.99999994
Zfp566	0.03240751	0.02566873	0.0287112	-0.0030425	0.75970778	0.99999994

Chml	0.03108372	0.02451835	0.0275627	-0.0030443	0.768893	0.99999994
Slc25a37	0.03248338	0.02572908	0.02877697	-0.0030479	0.75959528	0.99999994
Med14	0.03786491	0.03037566	0.03342472	-0.0030491	0.72814264	0.99999994
Ubp1	0.08533992	0.06997932	0.07303278	-0.0030535	0.60960848	0.99999994
Mrm1	0.04486428	0.03636674	0.03942029	-0.0030535	0.69693667	0.99999994
Tubg2	0.02116756	0.01583924	0.01889463	-0.0030554	0.85912115	0.99999994
Dcaf15	0.0561227	0.04589266	0.04894873	-0.0030561	0.66114278	0.99999994
Grb14	0.13089717	0.1052153	0.10827443	-0.0030591	0.5745872	0.99999994
Gorab	0.08405721	0.0689345	0.07199443	-0.0030599	0.61137759	0.99999994
Papolg	0.02619004	0.0202349	0.02329932	-0.0030644	0.80934151	0.99999994
Ntm	0.01504517	0.0104202	0.01348503	-0.0030648	0.93483901	0.99999994
Chadl	0.04800562	0.03902812	0.04209315	-0.003065	0.68605	0.99999994
Zbtb40	0.02275269	0.01722284	0.02028799	-0.0030651	0.84270933	0.99999994
Dnajb14	0.13075412	0.10510269	0.10816838	-0.0030657	0.57481773	0.99999994
Nfatc2	0.10956262	0.0891121	0.0921783	-0.0030662	0.58761564	0.99999994
Ccdc181	0.13592496	0.10891999	0.11198642	-0.0030664	0.57231284	0.99999994
Pnpla6	0.03804494	0.03051234	0.03357962	-0.0030673	0.7284115	0.99999994
Pigv	0.08828143	0.07233872	0.07540744	-0.0030687	0.60675897	0.99999994
Rabgap1l	0.12709792	0.10237859	0.10544881	-0.0030702	0.57683569	0.99999994
Rnf217	0.07121127	0.05842998	0.06150043	-0.0030704	0.63017732	0.99999994
Ufm1	0.87417134	0.41187745	0.41494898	-0.0030715	0.51964854	0.99999994
Cep68	0.06434175	0.05274478	0.05581651	-0.0030717	0.64293563	0.99999994
C330013E15I	0.02385429	0.01818044	0.02125456	-0.0030741	0.83215911	0.99999994
Ahcyl2	0.21474779	0.16330391	0.16638095	-0.003077	0.54898689	0.99999994
Ankrd50	0.03696441	0.0295717	0.03264931	-0.0030776	0.734817	0.99999994
Tbc1d24	0.03388661	0.02691203	0.02999207	-0.00308	0.7528788	0.99999994
Dnttip2	0.36691719	0.25052493	0.25360519	-0.0030803	0.53221833	0.99999994
Ethe1	0.12999844	0.10452671	0.10760761	-0.0030809	0.57557162	0.99999994
Timmdc1	0.08945813	0.07327374	0.07635488	-0.0030811	0.60588256	0.99999994
Mcu	0.05432745	0.04435606	0.04743878	-0.0030827	0.66732929	0.99999994

Zfyve16	0.08182851	0.0671029	0.07018624	-0.0030833	0.61501703	0.99999994
Itgb5	0.02832755	0.02208132	0.02516494	-0.0030836	0.7926493	0.99999994
Zfand2b	0.28118039	0.20403274	0.20711738	-0.0030846	0.53948427	0.99999994
Pofut1	0.05497604	0.04489978	0.04798471	-0.0030849	0.66565084	0.99999994
Dio1	0.01546772	0.01077382	0.01385981	-0.003086	0.93084193	0.99999994
Stx2	0.03506995	0.02792883	0.031015	-0.0030862	0.74612565	0.99999994
Klc2	0.17495298	0.13670422	0.13979091	-0.0030867	0.55842522	0.99999994
2610008E11I	0.06616376	0.05424119	0.05732902	-0.0030878	0.64002341	0.99999994
Thap1	0.05864862	0.04797642	0.05106723	-0.0030908	0.65647891	0.99999994
Senp8	0.1055025	0.08595918	0.08905102	-0.0030918	0.59138457	0.99999994
Acvr1b	0.04076869	0.03282592	0.03591881	-0.0030929	0.7167329	0.99999994
Unc5a	0.03758983	0.03009401	0.03318795	-0.0030939	0.7325477	0.99999994
1500015A07I	0.13207419	0.10605099	0.10914613	-0.0030951	0.57485925	0.99999994
Clasp2	0.04081518	0.03286271	0.03595866	-0.0030959	0.71671004	0.99999994
Zfp764	0.02768891	0.02151212	0.02460809	-0.003096	0.79882875	0.99999994
Rbm48	0.08172052	0.06700172	0.07009849	-0.0030968	0.61564424	0.99999994
Acot11	0.00875254	0.00478098	0.00787831	-0.0030973	0.99556369	0.99999994
D3Ert751e	0.05945936	0.04864684	0.05174572	-0.0030989	0.65491609	0.99999994
Tmem186	0.09188146	0.07520182	0.07830156	-0.0030997	0.60392011	0.99999994
Atf7	0.07962363	0.06529205	0.06839226	-0.0031002	0.61857147	0.99999994
Scyl3	0.03721958	0.02976868	0.03286913	-0.0031005	0.73495712	0.99999994
Zfp446	0.03233018	0.02554342	0.02864417	-0.0031007	0.76440808	0.99999994
Cc2d2a	0.08539659	0.0699773	0.07307861	-0.0031013	0.61121321	0.99999994
Arhgef7	0.11174889	0.09075222	0.09385373	-0.0031015	0.58705188	0.99999994
Myo9b	0.04025112	0.03237234	0.03547496	-0.0031026	0.71977112	0.99999994
Zfp94	0.03281216	0.02595704	0.02906188	-0.0031048	0.76149946	0.99999994
Tm9sf1	0.04167646	0.03359123	0.03669653	-0.0031053	0.71337377	0.99999994
Tmem218	0.26952488	0.19717838	0.20028405	-0.0031057	0.54110413	0.99999994
Jpx	0.029533	0.02310789	0.02621472	-0.0031068	0.78490808	0.99999994
Rabep2	0.06571749	0.05385171	0.05695888	-0.0031072	0.64173924	0.99999994

Pelp1	0.13676741	0.10949336	0.11260545	-0.0031121	0.57297858	0.99999994
3110070M22	0.01995452	0.01471341	0.01782635	-0.0031129	0.87745783	0.99999994
Dmxl1	0.13267095	0.10647392	0.10958745	-0.0031135	0.57499915	0.99999994
Tmem128	0.38227018	0.25815406	0.26126874	-0.0031147	0.53162406	0.99999994
Nkiras2	0.37826969	0.2561753	0.25929051	-0.0031152	0.53187019	0.99999994
Btd	0.06388231	0.05231852	0.05543455	-0.003116	0.64585755	0.99999994
D630039A03	0.08914848	0.07298809	0.0761057	-0.0031176	0.6074476	0.99999994
Focad	0.01643492	0.01159898	0.01471689	-0.0031179	0.92076125	0.99999994
Ldlrad4	0.03014552	0.02362955	0.02674749	-0.0031179	0.78110398	0.99999994
Zmym4	0.14491553	0.11543018	0.11854931	-0.0031191	0.56951309	0.99999994
Apip	0.25670511	0.18949588	0.19261713	-0.0031213	0.54294767	0.99999994
Dcn	0.04085413	0.03286885	0.03599205	-0.0031232	0.7182341	0.99999994
Ercc5	0.03707111	0.0296164	0.03274124	-0.0031248	0.73737943	0.99999994
Igfbp7	0.19653056	0.15129249	0.15442167	-0.0031292	0.55364791	0.99999994
Abcc5	0.14217228	0.1134256	0.1165569	-0.0031313	0.57096177	0.99999994
Cnm3	0.05742521	0.04691025	0.05004202	-0.0031318	0.66150497	0.99999994
Ift80	0.04720963	0.03828513	0.04141692	-0.0031318	0.69263343	0.99999994
Zfp628	0.04661946	0.03778316	0.04091508	-0.0031319	0.69480697	0.99999994
Herc4	0.03808196	0.03047942	0.03361147	-0.0031321	0.73245892	0.99999994
Fig4	0.02338503	0.01771085	0.020843	-0.0031321	0.84141087	0.99999994
Dis3l2	0.07171604	0.05878351	0.06191608	-0.0031326	0.63185487	0.99999994
Tnrc6b	0.33667517	0.23480706	0.23793977	-0.0031327	0.53491765	0.99999994
Zfp692	0.02833466	0.02203787	0.02517114	-0.0031333	0.79632737	0.99999994
Tmem165	0.26941945	0.1970848	0.20022167	-0.0031369	0.54152841	0.99999994
Zswim5	0.02224867	0.01670758	0.01984527	-0.0031377	0.85369712	0.99999994
Map4k2	0.03120218	0.0245275	0.02766555	-0.0031381	0.77488126	0.99999994
Plekha3	0.03721738	0.02972784	0.03286724	-0.0031394	0.73754657	0.99999994
Rnf185	0.06857972	0.05618871	0.05932905	-0.0031403	0.63770334	0.99999994
Mcoln1	0.05368276	0.04375511	0.04689567	-0.0031406	0.67211814	0.99999994
Spink1	0.09937582	0.08114289	0.08428378	-0.0031409	0.59795341	0.99999994

Fam83h	0.01871713	0.01359393	0.01673483	-0.0031409	0.89422365	0.99999994
Comtd1	0.0815244	0.06679704	0.06993911	-0.0031421	0.61754605	0.99999994
Phc2	0.12690455	0.10216244	0.10530453	-0.0031421	0.57871749	0.99999994
Guca1a	0.05099421	0.04148363	0.04462579	-0.0031422	0.68035203	0.99999994
Smu1	0.49014652	0.30690192	0.31004453	-0.0031426	0.52689576	0.99999994
Cdkl1	0.02244212	0.01687048	0.02001522	-0.0031447	0.85218056	0.99999994
2810402E24I	0.1081526	0.08794808	0.09109458	-0.0031465	0.590922	0.99999994
2810004N23	0.39255371	0.26314759	0.26629648	-0.0031489	0.53136826	0.99999994
Gramd1c	0.02094044	0.01554313	0.01869475	-0.0031516	0.86910072	0.99999994
Ttc21b	0.02895116	0.02255625	0.02570823	-0.003152	0.79278118	0.99999994
Crebzf	0.05748371	0.04693816	0.05009109	-0.0031529	0.66238348	0.99999994
Gosr1	0.07701164	0.06310699	0.0662604	-0.0031534	0.62429628	0.99999994
Hps1	0.05064255	0.04117329	0.04432829	-0.003155	0.68216351	0.99999994
Camta2	0.0348493	0.02766796	0.03082439	-0.0031564	0.75225841	0.99999994
Exosc10	0.15507419	0.122692	0.12584958	-0.0031576	0.56631843	0.99999994
Sart3	0.12844935	0.10329699	0.10645592	-0.0031589	0.57828892	0.99999994
Zfp729a	0.02305435	0.0173935	0.02055281	-0.0031593	0.84689223	0.99999994
Rbm33	0.09756104	0.07967888	0.08284042	-0.0031615	0.60026543	0.99999994
Tapt1	0.02950725	0.02302975	0.02619231	-0.0031626	0.78921934	0.99999994
Smyd5	0.04391709	0.0354491	0.03861219	-0.0031631	0.70722104	0.99999994
E4f1	0.07036758	0.05764173	0.06080508	-0.0031633	0.63543869	0.99999994
Rpp38	0.08784945	0.07189068	0.07505927	-0.0031686	0.61064297	0.99999994
Snx25	0.01315813	0.00863865	0.01180868	-0.00317	0.96302265	0.99999994
Tyk2	0.01904745	0.01385621	0.01702639	-0.0031702	0.89239423	0.99999994
Angpt2	0.01826962	0.01316915	0.01633963	-0.0031705	0.90174746	0.99999994
Dhcr7	0.14634402	0.1164122	0.11958326	-0.0031711	0.57005364	0.99999994
5033417F24I	0.02488641	0.01898244	0.02215889	-0.0031764	0.83000353	0.99999994
Acss2	0.02335945	0.01764191	0.02082055	-0.0031786	0.84523666	0.99999994
C1qtnf4	0.24037153	0.17943473	0.18261544	-0.0031807	0.54614894	0.99999994
1700096K18I	0.13266616	0.10640284	0.10958391	-0.0031811	0.57660865	0.99999994

Nup93	0.1292908	0.10389854	0.10708187	-0.0031833	0.57843063	0.99999994
Unk	0.05476807	0.04462156	0.04780971	-0.0031881	0.67143289	0.99999994
Rassf6	0.03528063	0.0280072	0.03119696	-0.0031898	0.75193297	0.99999994
Pygo2	0.05723617	0.04669257	0.04988347	-0.0031909	0.66486875	0.99999994
Tmem209	0.03955832	0.0316888	0.03488037	-0.0031916	0.72875734	0.99999994
Meis3	0.17370982	0.13573881	0.13893215	-0.0031933	0.56079917	0.99999994
Gria3	0.02109445	0.01563404	0.0188303	-0.0031963	0.87073092	0.99999994
Vcpip1	0.11280497	0.09146446	0.09466092	-0.0031965	0.58892046	0.99999994
Stxbp4	0.09327912	0.07622298	0.07942157	-0.0031986	0.60567916	0.99999994
Elk4	0.04721277	0.03822031	0.04141958	-0.0031993	0.69642353	0.99999994
Ttc30a1	0.03338676	0.02636001	0.02955949	-0.0031995	0.76438435	0.99999994
Opa3	0.14632729	0.11637027	0.11957117	-0.0032009	0.5707129	0.99999994
Ccdc112	0.12965938	0.10415483	0.10735578	-0.0032009	0.57866047	0.99999994
Mettl8	0.04277335	0.03443312	0.03763505	-0.0032019	0.71440873	0.99999994
Gcc1	0.03769918	0.03007806	0.03328208	-0.003204	0.73917331	0.99999994
Hmbox1	0.07730797	0.06329793	0.06650262	-0.0032047	0.6258049	0.99999994
Rfx7	0.086531	0.07079014	0.07399541	-0.0032053	0.61345476	0.99999994
Sdc4	0.03410279	0.02697321	0.03017907	-0.0032059	0.76024491	0.99999994
Smc5	0.15438282	0.12215037	0.12535654	-0.0032062	0.56759142	0.99999994
Gm2447	0.02465067	0.01874569	0.02195245	-0.0032068	0.83456018	0.99999994
Ift81	0.31184795	0.22128532	0.2244927	-0.0032074	0.53788265	0.99999994
Spr	0.1965639	0.15123347	0.15444387	-0.0032104	0.55502394	0.99999994
Ddx23	0.06159755	0.05032033	0.05353168	-0.0032113	0.65516852	0.99999994
Fgl2	0.00723476	0.00330465	0.00651883	-0.0032142	0.99948462	0.99999994
Lrig2	0.03095739	0.02423753	0.02745299	-0.0032155	0.78219666	0.99999994
Myl4	0.01281993	0.00829047	0.01150778	-0.0032173	0.96862563	0.99999994
Agfg2	0.05792252	0.0472415	0.05045897	-0.0032175	0.66437619	0.99999994
Gm12258	0.02828063	0.02190531	0.02512405	-0.0032187	0.80310693	0.99999994
Kpna2	0.05620484	0.04579814	0.04901773	-0.0032196	0.66901845	0.99999994
Gls	0.09234569	0.07545419	0.07867379	-0.0032196	0.60734317	0.99999994

mt-Nd6	0.0309376	0.02421273	0.0274358	-0.0032231	0.78288356	0.99999994
Smarcal1	0.03733193	0.02973952	0.03296589	-0.0032264	0.74262408	0.99999994
Oscp1	0.07626571	0.06242161	0.06565027	-0.0032287	0.62830125	0.99999994
Rela	0.07462148	0.06107366	0.06430329	-0.0032296	0.63092929	0.99999994
Ptbp2	0.11777569	0.09521092	0.09844132	-0.0032304	0.58645355	0.99999994
Slc25a22	0.09999983	0.08154797	0.08477931	-0.0032313	0.60013825	0.99999994
Adcy6	0.02983279	0.02324375	0.02647553	-0.0032318	0.79175335	0.99999994
Enox2	0.04485113	0.03617166	0.03940908	-0.0032374	0.70774682	0.99999994
Gm4285	0.02400734	0.01815102	0.02138874	-0.0032377	0.8431778	0.99999994
Man1c1	0.03821786	0.0304885	0.03372838	-0.0032399	0.73871777	0.99999994
Jade3	0.1566094	0.12370235	0.12694242	-0.0032401	0.56745424	0.99999994
Lin7b	0.01989392	0.01453171	0.01777294	-0.0032412	0.88760929	0.99999994
Nthl1	0.05881782	0.04796747	0.05120889	-0.0032414	0.66324443	0.99999994
Nudt6	0.02576617	0.01968494	0.02292873	-0.0032438	0.82682547	0.99999994
Cacna1c	0.02251799	0.01683757	0.02008187	-0.0032443	0.85889305	0.99999994
Otub2	0.02980161	0.02320304	0.02644841	-0.0032454	0.79297094	0.99999994
Jag2	0.01124732	0.00686104	0.01010686	-0.0032458	0.98372909	0.99999994
Adk	0.18515173	0.14352217	0.14677003	-0.0032479	0.55855153	0.99999994
Rapgef2	0.02218054	0.01653367	0.0197854	-0.0032517	0.86301598	0.99999994
Mxd1	0.14733709	0.11704833	0.12030052	-0.0032522	0.57140307	0.99999994
Arhgef16	0.16465564	0.12937281	0.13262552	-0.0032527	0.56483948	0.99999994
Cldn10	0.03174311	0.0248809	0.02813503	-0.0032541	0.77931508	0.99999994
Rgl3	0.06886152	0.05630742	0.05956193	-0.0032545	0.64196227	0.99999994
Ank3	0.2007276	0.15395259	0.15720835	-0.0032558	0.55482138	0.99999994
Ppp1r26	0.0188099	0.01356055	0.01681672	-0.0032562	0.90127494	0.99999994
Tspan33	0.09154507	0.07477491	0.0780317	-0.0032568	0.60942263	0.99999994
Nmi	0.05031198	0.04079096	0.04404852	-0.0032576	0.68873346	0.99999994
Tmem177	0.05388523	0.04380858	0.04706629	-0.0032577	0.67750078	0.99999994
Klf5	0.06787943	0.05549199	0.05874997	-0.003258	0.6439837	0.99999994
Nova2	0.038992	0.03113484	0.03439392	-0.0032591	0.73589452	0.99999994

Pcyt1a	0.05875931	0.04789549	0.05115991	-0.0032644	0.66448331	0.99999994
Eml2	0.27354455	0.19939038	0.20265502	-0.0032646	0.54269648	0.99999994
Dlgap5	0.04001232	0.03200482	0.03527007	-0.0032653	0.73113077	0.99999994
Usp46	0.08658311	0.07077157	0.0740375	-0.0032659	0.61547747	0.99999994
Ino80	0.05749338	0.04683301	0.0500992	-0.0032662	0.66784047	0.99999994
9330151L19F	0.03910519	0.03122496	0.03449118	-0.0032662	0.73576314	0.99999994
Srsf4	0.22867924	0.17202442	0.17529108	-0.0032667	0.54936035	0.99999994
Nsmaf	0.05469037	0.04447518	0.04774431	-0.0032691	0.67572256	0.99999994
Homez	0.06183965	0.05046253	0.05373358	-0.0032711	0.65733773	0.99999994
Gm4890	0.03364548	0.0265112	0.02978343	-0.0032722	0.76770696	0.99999994
Ppard	0.03314166	0.02606778	0.02934728	-0.0032795	0.77151216	0.99999994
Grk5	0.03094613	0.02416196	0.02744321	-0.0032813	0.7869458	0.99999994
Dffb	0.04023286	0.03217732	0.03545929	-0.003282	0.73108124	0.99999994
Ttc17	0.01828877	0.01307105	0.01635654	-0.0032855	0.90939561	0.99999994
Kif9	0.0227555	0.01700288	0.02029045	-0.0032876	0.8595943	0.99999994
Sphkap	0.30004516	0.21461795	0.21790782	-0.0032899	0.54002413	0.99999994
Hivep2	0.01263286	0.00805095	0.01134129	-0.0032903	0.97326744	0.99999994
Rpap2	0.08359599	0.06833016	0.07162066	-0.0032905	0.62012777	0.99999994
Zfp672	0.10028857	0.08171048	0.08500457	-0.0032941	0.60177571	0.99999994
Osgepl1	0.05014923	0.04061616	0.04391073	-0.0032946	0.69125792	0.99999994
Cel	0.03506978	0.0277175	0.03101486	-0.0032974	0.76042614	0.99999994
Cux2	0.0135214	0.00883084	0.01213172	-0.0033009	0.96493769	0.99999994
Stbd1	0.08529759	0.06969418	0.07299854	-0.0033044	0.61840994	0.99999994
Tti2	0.04638356	0.03740989	0.04071438	-0.0033045	0.70548672	0.99999994
Apeh	0.1908091	0.14728751	0.15059225	-0.0033047	0.55806835	0.99999994
Sumf1	0.18526569	0.14354217	0.14684736	-0.0033052	0.55954633	0.99999994
Ilvbl	0.09673801	0.0788769	0.08218473	-0.0033078	0.60561588	0.99999994
Kctd12	0.12498267	0.10055996	0.10386807	-0.0033081	0.58394623	0.99999994
Prdm4	0.03928415	0.0313363	0.03464492	-0.0033086	0.73751016	0.99999994
Nol6	0.02090242	0.01535223	0.01866128	-0.0033091	0.88106297	0.99999994

Kmt2e	0.61350571	0.35291703	0.35622883	-0.0033118	0.52467207	0.99999994
Sftpd	0.01877871	0.01347695	0.01678919	-0.0033122	0.90544118	0.99999994
Cwc25	0.17491452	0.13645005	0.13976437	-0.0033143	0.56271104	0.99999994
Acy1	0.04828945	0.03901866	0.04233411	-0.0033154	0.69892128	0.99999994
Mob3c	0.10829571	0.0878892	0.09120468	-0.0033155	0.59559932	0.99999994
Cdkal1	0.10326424	0.08400207	0.08731814	-0.0033161	0.59978389	0.99999994
Ptch1	0.06987152	0.05707956	0.06039589	-0.0033163	0.64263074	0.99999994
Sez6l	0.03655989	0.02898361	0.03230069	-0.0033171	0.75287542	0.99999994
Add3	0.08539028	0.06975501	0.07307351	-0.0033185	0.6187831	0.99999994
Rgp1	0.05529097	0.04493067	0.04824962	-0.003319	0.67647765	0.99999994
Acap3	0.04002625	0.031963	0.03528203	-0.003319	0.73439935	0.99999994
Uhrf1bp1l	0.08658095	0.0707161	0.07403575	-0.0033197	0.61732435	0.99999994
5033430l15R	0.03345474	0.02629804	0.02961834	-0.0033203	0.77222579	0.99999994
Tubd1	0.04464254	0.03590329	0.03923121	-0.0033279	0.71384325	0.99999994
Hspa9	0.65324262	0.36577924	0.3691101	-0.0033309	0.5239489	0.99999994
Me2	0.10317308	0.08391636	0.08724744	-0.0033311	0.60030541	0.99999994
Nkapl	0.03687069	0.02923727	0.03256856	-0.0033313	0.75201616	0.99999994
2310022A10l	0.07268489	0.0593784	0.06271312	-0.0033347	0.63831085	0.99999994
Polr3g	0.02279124	0.01698703	0.02032183	-0.0033348	0.86265071	0.99999994
Zfp26	0.04285939	0.03437315	0.0377086	-0.0033355	0.72199483	0.99999994
Ppm1a	0.0753353	0.06155249	0.06488842	-0.0033359	0.63390186	0.99999994
Spsb2	0.12564053	0.1010232	0.10436027	-0.0033371	0.58427681	0.99999994
Mfn1	0.05723917	0.0465473	0.04988598	-0.0033387	0.67201531	0.99999994
Defb1	0.01138918	0.00689218	0.01023335	-0.0033412	0.98512087	0.99999994
Phf7	0.02694801	0.02061944	0.02396148	-0.003342	0.8234001	0.99999994
Fam185a	0.03023781	0.02348406	0.02682773	-0.0033437	0.79662161	0.99999994
Capns1	1.03479794	0.42479348	0.42813821	-0.0033447	0.52073615	0.99999994
Pno1	0.28633541	0.206754	0.21009877	-0.0033448	0.54219666	0.99999994
Gas2	0.02571514	0.01953849	0.0228841	-0.0033456	0.83475948	0.99999994
Zfyve27	0.14732754	0.11694743	0.12029363	-0.0033462	0.573448	0.99999994

Wdr55	0.06354236	0.05180403	0.05515178	-0.0033478	0.65691042	0.99999994
Hars2	0.07872341	0.06430962	0.06765833	-0.0033487	0.62909296	0.99999994
Celsr2	0.15846385	0.12491015	0.12825891	-0.0033488	0.56898625	0.99999994
Pcgf2	0.08072343	0.06593851	0.06928774	-0.0033492	0.62618105	0.99999994
Gsn	0.02836732	0.0218497	0.0251996	-0.0033499	0.81188439	0.99999994
Fgfr2	0.03948072	0.03146265	0.03481373	-0.0033511	0.73914902	0.99999994
Zmym2	0.14383769	0.11441583	0.11776754	-0.0033517	0.57512685	0.99999994
Edc4	0.05623101	0.04568502	0.04903971	-0.0033547	0.67557004	0.99999994
Cab39l	0.11151297	0.09031835	0.09367323	-0.0033549	0.5942128	0.99999994
Efcab2	0.09667367	0.07877822	0.08213344	-0.0033552	0.60715734	0.99999994
Shroom2	0.02012022	0.01461607	0.01797238	-0.0033563	0.89307784	0.99999994
Mcm3ap	0.05351434	0.04339738	0.04675371	-0.0033563	0.6836193	0.99999994
Sdhaf2	0.27658547	0.20108104	0.20443861	-0.0033576	0.54352561	0.99999994
Zmym3	0.07929422	0.0647658	0.06812379	-0.003358	0.62858517	0.99999994
Gpt	0.01905295	0.0136731	0.01703124	-0.0033581	0.90531906	0.99999994
Gemin5	0.02320292	0.01732456	0.0206832	-0.0033586	0.8601279	0.99999994
Lipo1	0.03303529	0.0258957	0.02925516	-0.0033595	0.77767684	0.99999994
Ap3b1	0.16308946	0.12816538	0.13152525	-0.0033599	0.56751056	0.99999994
Zfp609	0.04044473	0.03228111	0.03564103	-0.0033599	0.73483495	0.99999994
Cdc42bpg	0.03447975	0.02714197	0.03050501	-0.003363	0.76847488	0.99999994
Vac14	0.04826023	0.03894468	0.04230931	-0.0033646	0.70171649	0.99999994
Mafk	0.02916867	0.02253223	0.02589762	-0.0033654	0.80647838	0.99999994
Nt5dc3	0.01701641	0.0118647	0.01523163	-0.0033669	0.9294057	0.99999994
Pfdn4	0.89830529	0.41448383	0.41785306	-0.0033692	0.52140156	0.99999994
Dyrk3	0.04404347	0.0353501	0.03872007	-0.00337	0.71881683	0.99999994
Daglb	0.04959475	0.04007073	0.04344107	-0.0033703	0.69722247	0.99999994
Clk2	0.05744109	0.04668368	0.05005534	-0.0033717	0.67305456	0.99999994
Amacr	0.08460641	0.0690661	0.07243922	-0.0033731	0.62170121	0.99999994
Rprd2	0.15470687	0.1222145	0.1255877	-0.0033732	0.57094679	0.99999994
Sarnp	0.93795382	0.41849749	0.42187148	-0.003374	0.52122777	0.99999994

Manba	0.02599425	0.01975182	0.02312817	-0.0033764	0.83440607	0.99999994
Nefh	0.01964768	0.01417734	0.01755585	-0.0033785	0.89989859	0.99999994
Lancl2	0.05878472	0.04780245	0.05118119	-0.0033787	0.66982166	0.99999994
Zfp740	0.0506026	0.04091064	0.04429449	-0.0033839	0.69445177	0.99999994
Gtf3c5	0.06429726	0.05239507	0.05577954	-0.0033845	0.65684938	0.99999994
mt-Nd2	1.83323494	0.37462665	0.37801122	-0.0033846	0.52376233	0.99999994
Tmem203	0.19725016	0.15151599	0.15490079	-0.0033848	0.55782245	0.99999994
Atxn7l3	0.06044281	0.0491787	0.05256779	-0.0033891	0.66608976	0.99999994
Rbbp8	0.0830888	0.06781913	0.07120938	-0.0033903	0.6243428	0.99999994
Tacc2	0.0186504	0.01328562	0.01667591	-0.0033903	0.91201546	0.99999994
2310011J03F	0.3229047	0.2271576	0.23054808	-0.0033905	0.53899003	0.99999994
Oma1	0.0657757	0.05361664	0.05700717	-0.0033905	0.65390703	0.99999994
Tmcc1	0.1321231	0.10579166	0.10918232	-0.0033907	0.58188306	0.99999994
Mospd2	0.09655194	0.07864308	0.0820364	-0.0033933	0.60846895	0.99999994
lpmk	0.0567725	0.04610032	0.04949439	-0.0033941	0.67596989	0.99999994
Pik3c3	0.06011133	0.04889397	0.05229082	-0.0033969	0.66727542	0.99999994
Cmc2	0.19339924	0.14893241	0.15233033	-0.0033979	0.55901745	0.99999994
Kansl1	0.13926651	0.1110387	0.11443681	-0.0033981	0.57834267	0.99999994
Zfp410	0.21152275	0.16088914	0.16428952	-0.0034004	0.55478884	0.99999994
Abhd12	0.15756631	0.1242203	0.12762223	-0.0034019	0.57041589	0.99999994
Nek4	0.02065107	0.01503736	0.01843999	-0.0034026	0.89032582	0.99999994
Pigl	0.03434007	0.0269814	0.03038426	-0.0034029	0.77200708	0.99999994
Rc3h1	0.10740959	0.08711962	0.09052252	-0.0034029	0.59879301	0.99999994
Traf6	0.04139421	0.03305188	0.03645481	-0.0034029	0.73281469	0.99999994
Eml3	0.037725	0.0299011	0.03330431	-0.0034032	0.75180513	0.99999994
Rfx5	0.01837659	0.0130305	0.01643412	-0.0034036	0.91598743	0.99999994
Nme4	0.1503411	0.11905901	0.12246324	-0.0034042	0.57339842	0.99999994
Fut8	0.06539348	0.05328396	0.05669002	-0.0034061	0.65539555	0.99999994
5930430L01F	0.04783739	0.03854292	0.04195029	-0.0034074	0.70562735	0.99999994
Cgn	0.05351316	0.04333574	0.04675271	-0.003417	0.68668923	0.99999994

Zfp746	0.03983387	0.03169865	0.03511693	-0.0034183	0.74148421	0.99999994
Mks1	0.06227374	0.050677	0.05409544	-0.0034184	0.66298869	0.99999994
Gpat4	0.23992951	0.17892148	0.18234112	-0.0034196	0.54967246	0.99999994
Armc10	0.32273607	0.22703659	0.23045653	-0.0034199	0.5393433	0.99999994
Ppl	0.0322369	0.02513992	0.0285633	-0.0034234	0.78750119	0.99999994
Cyp4f13	0.06931917	0.05651534	0.05993995	-0.0034246	0.64814036	0.99999994
Fnbp1	0.05393827	0.04368581	0.04711097	-0.0034252	0.68578768	0.99999994
Cenpw	0.05945316	0.04831491	0.05174054	-0.0034256	0.67028602	0.99999994
3110040N11	0.13911349	0.1108991	0.11432489	-0.0034258	0.57904868	0.99999994
Zfc3h1	0.09205047	0.07500978	0.0784371	-0.0034273	0.61441723	0.99999994
Exog	0.0756487	0.06171644	0.06514514	-0.0034287	0.63695648	0.99999994
Lsm10	0.24566914	0.18245704	0.18588826	-0.0034312	0.54889359	0.99999994
Heatr5a	0.01361926	0.00878562	0.01221872	-0.0034331	0.96927464	0.99999994
Usp29	0.20886054	0.15911622	0.16255493	-0.0034387	0.55598988	0.99999994
Baiap2	0.10402484	0.08446762	0.08790771	-0.0034401	0.60275459	0.99999994
Usp38	0.05238287	0.04235904	0.0457992	-0.0034402	0.69145748	0.99999994
Slc35b3	0.08182045	0.06673931	0.07017969	-0.0034404	0.62790547	0.99999994
Mfsd3	0.03310921	0.02587822	0.02931918	-0.003441	0.78265859	0.99999994
Doc2b	0.05684408	0.04611291	0.04955447	-0.0034416	0.67806151	0.99999994
Mtmr1	0.03115249	0.02418033	0.02762241	-0.0034421	0.79657819	0.99999994
Pex6	0.11979253	0.09652316	0.09996637	-0.0034432	0.5906703	0.99999994
Hectd3	0.06090544	0.04950847	0.05295413	-0.0034457	0.66753655	0.99999994
Tmem8b	0.02437302	0.01826209	0.02170922	-0.0034471	0.8547307	0.99999994
Tnrc6c	0.12244517	0.09851718	0.1019646	-0.0034474	0.5890302	0.99999994
Ulk3	0.02725598	0.02078236	0.02423034	-0.003448	0.82823153	0.99999994
Dennd5b	0.03400176	0.02664207	0.03009169	-0.0034496	0.77728752	0.99999994
Prune2	0.02267259	0.01676727	0.02021764	-0.0034504	0.87201825	0.99999994
Gm20522	0.02795388	0.02138864	0.02483918	-0.0034505	0.82243147	0.99999994
Uba6	0.08534302	0.06958474	0.07303529	-0.0034506	0.62342155	0.99999994
Acp2	0.10916926	0.08842431	0.09187623	-0.0034519	0.59874042	0.99999994

Sco2	0.06129446	0.04982285	0.05327882	-0.003456	0.66704534	0.99999994
Trim41	0.13982743	0.11139079	0.11484684	-0.0034561	0.5793802	0.99999994
Zfp574	0.06134266	0.04986153	0.05331904	-0.0034575	0.66699695	0.99999994
Polr1b	0.02033422	0.01470233	0.01816093	-0.0034586	0.89753844	0.99999994
Zdhhc7	0.06524151	0.05310122	0.05656388	-0.0034627	0.65817268	0.99999994
H2-T22	0.0290737	0.0223501	0.02581493	-0.0034648	0.81417938	0.99999994
Kremen1	0.03828559	0.03031912	0.03378664	-0.0034675	0.75274093	0.99999994
Zhx2	0.02086077	0.01515583	0.01862462	-0.0034688	0.89246251	0.99999994
Sap130	0.02980391	0.02298099	0.02645041	-0.0034694	0.80869424	0.99999994
Samd8	0.08546949	0.06966789	0.07313757	-0.0034697	0.62391555	0.99999994
Kctd2	0.02248005	0.01657856	0.02004854	-0.00347	0.87535536	0.99999994
Kl	0.01216437	0.00745333	0.01092415	-0.0034708	0.98277888	0.99999994
Crls1	0.04459855	0.03572132	0.03919368	-0.0034724	0.72231042	0.99999994
2700038G22	0.03691424	0.0291312	0.03260608	-0.0034749	0.7609554	0.99999994
Mrps18a	0.53995522	0.32635134	0.32982779	-0.0034765	0.5279666	0.99999994
Pds5a	0.1750394	0.13637327	0.13985055	-0.0034773	0.56572689	0.99999994
Napepld	0.0362622	0.02856613	0.03204402	-0.0034779	0.76498959	0.99999994
Per2	0.02877988	0.02207946	0.02555906	-0.0034796	0.81758358	0.99999994
Nfya	0.05309285	0.0429158	0.04639831	-0.0034825	0.69132351	0.99999994
Lemd3	0.01918788	0.01366703	0.0171503	-0.0034833	0.91180005	0.99999994
Eid2	0.02419981	0.0180729	0.02155744	-0.0034845	0.8590213	0.99999994
Rab40b	0.04730125	0.03800916	0.04149479	-0.0034856	0.71196855	0.99999994
Nom1	0.11960307	0.09633638	0.09982332	-0.0034869	0.59193051	0.99999994
Lsg1	0.18326866	0.14200267	0.14549007	-0.0034874	0.56338341	0.99999994
Nedd1	0.05765414	0.0467465	0.05023399	-0.0034875	0.67800159	0.99999994
Calu	0.08778938	0.0715211	0.07501084	-0.0034897	0.62159596	0.99999994
Nhlrc2	0.0687575	0.05598452	0.05947598	-0.0034915	0.6520099	0.99999994
Pstk	0.09716488	0.07903246	0.08252489	-0.0034924	0.61091139	0.99999994
Cetn2	0.58848862	0.34411745	0.34761092	-0.0034935	0.52666772	0.99999994
Zbtb37	0.04623902	0.03709522	0.04059137	-0.0034962	0.71678454	0.99999994

Zfp959	0.04445711	0.03557686	0.03907304	-0.0034962	0.72427776	0.99999994
Zfp236	0.03716421	0.02932512	0.03282144	-0.0034963	0.76085991	0.99999994
Ccdc97	0.09885333	0.08036942	0.08386857	-0.0034991	0.60938442	0.99999994
Brpf3	0.03622918	0.0285159	0.03201553	-0.0034996	0.76657404	0.99999994
Lztf1	0.39734228	0.26510804	0.26860857	-0.0035005	0.53456342	0.99999994
3222401L13F	0.02042563	0.0147409	0.01824145	-0.0035005	0.89926245	0.99999994
Dcp1a	0.03214345	0.02498045	0.02848227	-0.0035018	0.79343088	0.99999994
Rbm14	0.17457579	0.13602521	0.13953053	-0.0035053	0.56640256	0.99999994
Aasdh	0.02962216	0.02278548	0.02629229	-0.0035068	0.81267929	0.99999994
Uspl1	0.08711112	0.07095572	0.0744638	-0.0035081	0.62308345	0.99999994
1700007L15F	0.04862374	0.03910836	0.04261779	-0.0035094	0.70819792	0.99999994
Racgap1	0.03078445	0.02379317	0.02730277	-0.0035096	0.80389961	0.99999994
Gatad2a	0.11290126	0.09122323	0.09473446	-0.0035112	0.59743395	0.99999994
Crocc	0.02256959	0.01661551	0.02012719	-0.0035117	0.87725323	0.99999994
Bmp1	0.14264771	0.11339109	0.11690284	-0.0035118	0.57924276	0.99999994
Mdn1	0.03753817	0.0296308	0.03314347	-0.0035127	0.75974023	0.99999994
Dhcr24	0.0171568	0.01184252	0.01535585	-0.0035133	0.9361124	0.99999994
Prpf38b	0.44086633	0.28530609	0.2888221	-0.003516	0.53229174	0.99999994
Dvl1	0.03857684	0.0305195	0.03403709	-0.0035176	0.75424431	0.99999994
Coa7	0.17996711	0.13971804	0.14323659	-0.0035185	0.56494182	0.99999994
Nme2	0.04058391	0.0322405	0.03576038	-0.0035199	0.74382505	0.99999994
Tmem259	0.06776126	0.05513223	0.0586522	-0.00352	0.65522882	0.99999994
Dhrs11	0.04745189	0.03810066	0.04162281	-0.0035221	0.71337253	0.99999994
Trim32	0.07848772	0.06394332	0.06746604	-0.0035227	0.63591433	0.99999994
Rala	0.87104768	0.41101085	0.41453559	-0.0035247	0.52256732	0.99999994
Smim15	0.16124399	0.1266995	0.1302252	-0.0035257	0.57150759	0.99999994
Mtrr	0.04014623	0.03185868	0.03538498	-0.0035263	0.74644342	0.99999994
Kpna1	0.10897726	0.0882016	0.0917287	-0.0035271	0.60100409	0.99999994
AU041133	0.05238048	0.04226902	0.04579719	-0.0035282	0.69595382	0.99999994
Plch1	0.07106439	0.05784886	0.06137943	-0.0035306	0.64909444	0.99999994

Padi2	0.03980084	0.03155508	0.03508857	-0.0035335	0.74866955	0.99999994
Map3k10	0.05916778	0.0479668	0.05150179	-0.003535	0.67612143	0.99999994
Cdc25b	0.02741055	0.02082941	0.02436524	-0.0035358	0.83296725	0.99999994
Ppp4r1	0.06690374	0.05440569	0.05794227	-0.0035366	0.65773141	0.99999994
Lamtor3	0.11577015	0.093382	0.09691985	-0.0035378	0.59598792	0.99999994
1810010H24	0.02748089	0.02088854	0.02442662	-0.0035381	0.83251263	0.99999994
Ube2u	0.01331664	0.0084104	0.01194965	-0.0035393	0.97566577	0.99999994
Mettl21a	0.08694591	0.07079067	0.0743304	-0.0035397	0.62437287	0.99999994
Zfp266	0.19707065	0.15124121	0.15478132	-0.0035401	0.56050206	0.99999994
Epg5	0.01802849	0.01258543	0.01612659	-0.0035412	0.92807981	0.99999994
Mfsd2a	0.03222293	0.02500887	0.02855119	-0.0035423	0.79555502	0.99999994
Zfp263	0.09081276	0.07390031	0.07744381	-0.0035435	0.61965171	0.99999994
Slc4a2	0.06876248	0.05593631	0.05948009	-0.0035438	0.65416175	0.99999994
Zc2hc1c	0.0391545	0.03098945	0.03453354	-0.0035441	0.75273597	0.99999994
Chpf2	0.04333906	0.0345721	0.03811854	-0.0035464	0.73213694	0.99999994
Atrn	0.05846231	0.04736455	0.05091121	-0.0035467	0.67857116	0.99999994
Mtfmt	0.08204652	0.06681434	0.07036335	-0.003549	0.63146495	0.99999994
Tep1	0.02388636	0.01773333	0.02128268	-0.0035494	0.86652062	0.99999994
Col3a1	0.02355461	0.01744029	0.02099176	-0.0035515	0.86994909	0.99999994
Snx7	0.09064777	0.07375861	0.07731128	-0.0035527	0.62015155	0.99999994
Rbks	0.05445202	0.04399091	0.04754367	-0.0035528	0.69054782	0.99999994
Ccdc51	0.05395273	0.04356976	0.04712315	-0.0035534	0.69214244	0.99999994
Gtf2ird1	0.06774734	0.05508482	0.05864068	-0.0035559	0.65675718	0.99999994
Csnk1g2	0.13700843	0.10922563	0.11278239	-0.0035568	0.58313427	0.99999994
Msra	0.06136202	0.04977766	0.05333519	-0.0035575	0.6714743	0.99999994
Arrdc1	0.16889425	0.13203041	0.13558933	-0.0035589	0.56934823	0.99999994
Cep162	0.09668183	0.07857857	0.08213995	-0.0035614	0.61355723	0.99999994
Polr3a	0.03090133	0.02384221	0.02740429	-0.0035621	0.80653835	0.99999994
Tnks1bp1	0.02125056	0.01540139	0.01896767	-0.0035663	0.89462723	0.99999994
Rhpn1	0.03450071	0.02695626	0.03052313	-0.0035669	0.78167064	0.99999994

Col6a6	0.01875425	0.01320003	0.0167676	-0.0035676	0.92164826	0.99999994
Slc45a4	0.02993428	0.02299499	0.0265638	-0.0035688	0.81441214	0.99999994
Ptgr1	0.0374112	0.02946428	0.03303416	-0.0035699	0.76403031	0.99999994
Tmem170b	0.03520809	0.02756414	0.03113431	-0.0035702	0.77735348	0.99999994
Pigs	0.3171969	0.22386543	0.22743579	-0.0035704	0.54161112	0.99999994
Prkci	0.02937136	0.02250304	0.02607405	-0.003571	0.81901854	0.99999994
Gskip	0.1930741	0.14853994	0.15211257	-0.0035726	0.562116	0.99999994
9930021J03F	0.11155843	0.09013368	0.09370801	-0.0035743	0.60021199	0.99999994
Rassf8	0.02560507	0.01921247	0.02278783	-0.0035754	0.8518422	0.99999994
Xpot	0.08563807	0.06969689	0.07327389	-0.003577	0.62738742	0.99999994
Setd7	0.04950934	0.03978888	0.04336871	-0.0035798	0.70864913	0.99999994
Mier1	0.24046348	0.17909026	0.18267249	-0.0035822	0.55192717	0.99999994
Ankrd13b	0.01931617	0.01367965	0.01726348	-0.0035838	0.91648838	0.99999994
Susd6	0.05028321	0.04043915	0.04402417	-0.003585	0.70610678	0.99999994
Rhot2	0.08513472	0.0692811	0.07286679	-0.0035857	0.62837445	0.99999994
Chmp2b	0.2539771	0.1873781	0.19096528	-0.0035872	0.54975249	0.99999994
Mlh1	0.07993064	0.06505505	0.06864236	-0.0035873	0.63603002	0.99999994
Trim3	0.04541827	0.03629927	0.03989247	-0.0035932	0.72559793	0.99999994
Cebpz	0.2685842	0.19613234	0.19972701	-0.0035947	0.54767947	0.99999994
Vwa8	0.02359049	0.01742842	0.02102323	-0.0035948	0.87247833	0.99999994
Lonrf2	0.01393589	0.00890193	0.01250012	-0.0035982	0.97232053	0.99999994
Pfkfb4	0.02110658	0.01524175	0.01884097	-0.0035992	0.89823762	0.99999994
Cutc	0.05635055	0.04554089	0.04914011	-0.0035992	0.687062	0.99999994
Supv3l1	0.03600062	0.02821697	0.03181839	-0.0036014	0.77439841	0.99999994
Ccdc92	0.11771095	0.09478881	0.09839228	-0.0036035	0.59629899	0.99999994
Map3k4	0.08964528	0.07290183	0.07650544	-0.0036036	0.62306184	0.99999994
Spsb1	0.06152788	0.04986946	0.05347356	-0.0036041	0.67315281	0.99999994
Rbm34	0.16241272	0.1274442	0.13104896	-0.0036048	0.57263885	0.99999994
Rbm12	0.07165239	0.05825794	0.06186368	-0.0036057	0.65098015	0.99999994
Kank3	0.03283112	0.02547163	0.0290783	-0.0036067	0.79548678	0.99999994

Patl1	0.05328626	0.04295416	0.04656141	-0.0036073	0.696964	0.99999994
Tfb1m	0.02601159	0.01953291	0.02314332	-0.0036104	0.85045998	0.99999994
Nsun5	0.06386606	0.05181036	0.05542103	-0.0036107	0.66773276	0.99999994
Ell	0.0780873	0.06352597	0.06713921	-0.0036132	0.63991264	0.99999994
Nfkbiz	0.03598017	0.02818651	0.03180075	-0.0036142	0.77532882	0.99999994
Dok5	0.01189752	0.00706764	0.01068644	-0.0036188	0.9879042	0.99999994
Tmem175	0.08097053	0.06586802	0.06948876	-0.0036207	0.63564138	0.99999994
Tmem104	0.01885467	0.01323319	0.01685625	-0.0036231	0.92374314	0.99999994
Urod	0.38001489	0.25653196	0.26015505	-0.0036231	0.5369294	0.99999994
Gcfc2	0.0459426	0.03671556	0.04033904	-0.0036235	0.72505055	0.99999994
Ppp6r1	0.05949245	0.04814928	0.0517734	-0.0036241	0.67937179	0.99999994
Ugp2	0.26207559	0.19222247	0.19584814	-0.0036257	0.54903636	0.99999994
Eif2ak3	0.02829948	0.0215136	0.02514048	-0.0036269	0.83154195	0.99999994
Dph6	0.15351038	0.12110402	0.12473359	-0.0036296	0.57679101	0.99999994
Cars2	0.06380051	0.05173352	0.05536652	-0.003633	0.6688618	0.99999994
Nudcd2	0.51431105	0.31621027	0.31984375	-0.0036335	0.53013824	0.99999994
B4galt1	0.06800647	0.05522097	0.05885506	-0.0036341	0.65946627	0.99999994
Aph1b	0.02625144	0.01971863	0.02335298	-0.0036343	0.84987725	0.99999994
Tmem51	0.16949069	0.13236922	0.13600477	-0.0036355	0.57061147	0.99999994
Efemp2	0.11376557	0.09175591	0.09539393	-0.003638	0.60019514	0.99999994
Zfp606	0.087668	0.07127397	0.07491297	-0.003639	0.62678161	0.99999994
Pex1	0.03949995	0.03119027	0.03483025	-0.00364	0.75667042	0.99999994
Gm16124	0.02846594	0.02164303	0.02528555	-0.0036425	0.83119153	0.99999994
Fam174b	0.47761945	0.30116739	0.30481014	-0.0036427	0.53170212	0.99999994
Mllt6	0.03811927	0.02999685	0.03364357	-0.0036467	0.76469959	0.99999994
Ptpn13	0.0283865	0.02156748	0.02521632	-0.0036488	0.83227228	0.99999994
Rft1	0.05553028	0.04480158	0.04845085	-0.0036493	0.69193764	0.99999994
Zrsr1	0.05950819	0.04813407	0.05178656	-0.0036525	0.68063329	0.99999994
Traf2	0.11764744	0.0946867	0.09834417	-0.0036575	0.59776001	0.99999994
Zbed4	0.05726525	0.0462472	0.04990786	-0.0036607	0.68730748	0.99999994

Trim45	0.05605428	0.045229	0.04889125	-0.0036622	0.69096988	0.99999994
Kalrn	0.05187524	0.04170771	0.0453705	-0.0036628	0.70449463	0.99999994
Dpy19l3	0.0242295	0.01792004	0.02158346	-0.0036634	0.87071994	0.99999994
Bace1	0.23023983	0.17261218	0.17627668	-0.0036645	0.55502794	0.99999994
Ttll5	0.02840733	0.02156707	0.02523447	-0.0036674	0.83332527	0.99999994
Slc23a2	0.02123872	0.01528762	0.01895725	-0.0036696	0.90121334	0.99999994
Hdc	0.0123868	0.0074473	0.01112224	-0.0036749	0.9860735	0.99999994
Spred2	0.03314883	0.0256772	0.02935348	-0.0036763	0.79776188	0.99999994
Arsa	0.03460498	0.02693597	0.03061326	-0.0036773	0.78801873	0.99999994
Fggy	0.06106839	0.04941196	0.05309015	-0.0036782	0.67766024	0.99999994
Carf	0.05066531	0.04066699	0.04434755	-0.0036806	0.70967457	0.99999994
Fancm	0.04692905	0.03749755	0.04117838	-0.0036808	0.7240768	0.99999994
Cep89	0.08510068	0.06915786	0.07283925	-0.0036814	0.63172322	0.99999994
Tardbp	0.53875244	0.32568716	0.32936884	-0.0036817	0.52965575	0.99999994
Apof	0.00981499	0.00514545	0.0088283	-0.0036829	0.9972551	0.99999994
Phc3	0.04532368	0.03612821	0.03981187	-0.0036837	0.73101654	0.99999994
Polg	0.04197673	0.03326883	0.03695358	-0.0036848	0.74656712	0.99999994
Vps50	0.09979651	0.08093221	0.0846179	-0.0036857	0.61406518	0.99999994
Cd59a	0.09436836	0.07660714	0.08029304	-0.0036859	0.62003157	0.99999994
Pcsk6	0.03296168	0.0255051	0.0291914	-0.0036863	0.79970496	0.99999994
Fbxo31	0.07449014	0.06050731	0.06419557	-0.0036883	0.64892912	0.99999994
Fuz	0.11396573	0.09185815	0.09554653	-0.0036884	0.60139334	0.99999994
Anks4b	0.01054118	0.00578606	0.00947684	-0.0036908	0.99523369	0.99999994
Gtf2h3	0.20291317	0.15495999	0.15865209	-0.0036921	0.56155186	0.99999994
D630045J12F	0.027696	0.02091922	0.02461428	-0.0036951	0.84116113	0.99999994
Tatdn2	0.02362034	0.01735057	0.02104941	-0.0036988	0.87893225	0.99999994
Slc10a3	0.04362489	0.03466205	0.03836269	-0.0037006	0.73959678	0.99999994
Ddx52	0.17558494	0.13652048	0.14022681	-0.0037063	0.56982722	0.99999994
Cul4b	0.08009649	0.06507005	0.06877742	-0.0037074	0.64012904	0.99999994
Snrnp27	0.91445505	0.41587843	0.4195863	-0.0037079	0.523453	0.99999994

Pde12	0.09526914	0.07730333	0.0810128	-0.0037095	0.6197353	0.99999994
Cdc14a	0.02015066	0.01428896	0.0179992	-0.0037102	0.91498386	0.99999994
Slc25a38	0.12776707	0.10223575	0.10594775	-0.003712	0.59220183	0.99999994
Dhrs13	0.05050749	0.04050174	0.044214	-0.0037123	0.71187694	0.99999994
Xrcc3	0.03499609	0.0272377	0.0309512	-0.0037135	0.78774619	0.99999994
Usp30	0.05310919	0.0426954	0.04641209	-0.0037167	0.70299787	0.99999994
Slc20a1	0.02234734	0.01621524	0.01993196	-0.0037167	0.89273619	0.99999994
Srrm3	0.06268882	0.05072426	0.05444126	-0.003717	0.67525309	0.99999994
Klhdc1	0.03672263	0.02872377	0.03244097	-0.0037172	0.77718143	0.99999994
Myo15b	0.01715914	0.0116403	0.01535792	-0.0037176	0.94644007	0.99999994
Pias3	0.08428634	0.06846164	0.07218004	-0.0037184	0.63416571	0.99999994
Epb41l1	0.03635436	0.02840421	0.03212348	-0.0037193	0.77955066	0.99999994
Cpt1c	0.04149929	0.03282542	0.03654482	-0.0037194	0.75094268	0.99999994
Yeats2	0.06021348	0.04865639	0.05237618	-0.0037198	0.68180014	0.99999994
Lyst	0.02986709	0.02278433	0.02650536	-0.003721	0.82496987	0.99999994
Ppox	0.0627763	0.05079264	0.05451411	-0.0037215	0.6752311	0.99999994
Fam199x	0.04041027	0.03188929	0.03561147	-0.0037222	0.75670294	0.99999994
Zc3h18	0.13887778	0.11042984	0.11415243	-0.0037226	0.58592248	0.99999994
Snph	0.01597727	0.01058876	0.01431149	-0.0037227	0.95831524	0.99999994
Ugdh	0.1240041	0.09941139	0.10313493	-0.0037235	0.59495835	0.99999994
Hivep1	0.06168593	0.04988126	0.05360539	-0.0037241	0.67811597	0.99999994
Ormdl1	0.14356324	0.11383945	0.11756825	-0.0037288	0.58360072	0.99999994
Acbd7	0.05674092	0.04573891	0.04946788	-0.003729	0.69208465	0.99999994
1700052K11l	0.13485925	0.10747184	0.11120214	-0.0037303	0.58834469	0.99999994
Ttpal	0.04223659	0.03344312	0.03717596	-0.0037328	0.7480497	0.99999994
Zfp346	0.0275359	0.02074056	0.02447461	-0.0037341	0.84507825	0.99999994
Ankrd49	0.04009121	0.03160325	0.03533777	-0.0037345	0.75911193	0.99999994
Pkmyt1	0.04930565	0.03946043	0.04319607	-0.0037356	0.71757336	0.99999994
Cox11	0.13690701	0.10897153	0.11270794	-0.0037364	0.58732401	0.99999994
Kcnq1	0.01967042	0.01383923	0.0175759	-0.0037367	0.92148818	0.99999994

Mthfr	0.02724903	0.02048629	0.02422427	-0.003738	0.84781889	0.99999994
Plekhm2	0.03012669	0.02299297	0.02673112	-0.0037381	0.82403241	0.99999994
Pyroxd2	0.01618946	0.01075918	0.01449948	-0.0037403	0.95701798	0.99999994
Stag1	0.20160702	0.15404806	0.15778989	-0.0037418	0.56271203	0.99999994
Ubac1	0.20022827	0.15313528	0.1568778	-0.0037425	0.56308519	0.99999994
Gm21988	0.01956951	0.01374392	0.01748692	-0.003743	0.92288745	0.99999994
Dennd1a	0.06231085	0.05038217	0.05412636	-0.0037442	0.67740464	0.99999994
St6gal1	0.03789009	0.02970206	0.03344639	-0.0037443	0.77191857	0.99999994
Ripk4	0.07307515	0.05928777	0.06303389	-0.0037461	0.6537959	0.99999994
Ublcp1	0.09074922	0.07364501	0.07739277	-0.0037478	0.62640066	0.99999994
Dlg3	0.03825827	0.03001405	0.03376314	-0.0037491	0.77008529	0.99999994
Fpgt	0.03421855	0.0265299	0.03027918	-0.0037493	0.79509119	0.99999994
Gprin3	0.06245957	0.05050093	0.05425028	-0.0037493	0.67725416	0.99999994
Dnajc11	0.15669341	0.12324856	0.12700215	-0.0037536	0.57798092	0.99999994
Txlng	0.07845152	0.06368073	0.0674365	-0.0037558	0.6445752	0.99999994
Lgals12	0.01774862	0.01212227	0.01587923	-0.003757	0.94235623	0.99999994
Snrnp40	0.44198447	0.28556435	0.28932268	-0.0037583	0.53445227	0.99999994
Adat1	0.02510521	0.01859169	0.02235043	-0.0037587	0.86851997	0.99999994
Man2b1	0.08090208	0.0656743	0.06943308	-0.0037588	0.64070503	0.99999994
Irf1	0.04863046	0.03886173	0.04262348	-0.0037618	0.72155253	0.99999994
Scai	0.06802469	0.05510722	0.05887013	-0.0037629	0.66475185	0.99999994
Cdkl5	0.02787264	0.02100433	0.02476834	-0.003764	0.84412545	0.99999994
Gtf2b	0.53364966	0.32364714	0.32741192	-0.0037648	0.53050475	0.99999994
2310057M21	0.11632813	0.09357791	0.09734364	-0.0037657	0.60160387	0.99999994
Dnajc16	0.02785692	0.0209884	0.02475464	-0.0037662	0.84440197	0.99999994
Nubp2	0.18591872	0.14352177	0.14729025	-0.0037685	0.56761525	0.99999994
Raf1	0.21697439	0.16404827	0.16781861	-0.0037703	0.55943894	0.99999994
Vps39	0.07012664	0.05683475	0.06060637	-0.0037716	0.66064886	0.99999994
Hspa12a	0.01002564	0.00524107	0.00901649	-0.0037754	0.99734152	0.99999994
Ppp1r12b	0.03731644	0.02917607	0.03295255	-0.0037765	0.7772214	0.99999994

Cep78	0.07411692	0.06011014	0.06388937	-0.0037792	0.65311417	0.99999994
Ttc4	0.2475489	0.18326348	0.18704292	-0.0037794	0.55349653	0.99999994
Ebi3	0.01536278	0.00998727	0.01376675	-0.0037795	0.96618155	0.99999994
Klhl21	0.02647248	0.01976432	0.02354614	-0.0037818	0.85748751	0.99999994
Foxk1	0.03203318	0.02460473	0.02838664	-0.0037819	0.81241171	0.99999994
Camsap1	0.11563447	0.09303431	0.09681674	-0.0037824	0.60258725	0.99999994
Slc39a11	0.07156514	0.05800913	0.06179185	-0.0037827	0.65817325	0.99999994
Socs4	0.13016938	0.10395096	0.10773453	-0.0037836	0.59241726	0.99999994
Vrk3	0.21874575	0.16517381	0.16895868	-0.0037849	0.55926667	0.99999994
Gmps	0.47920109	0.30169108	0.30547694	-0.0037859	0.53287308	0.99999994
Rnf19a	0.10590701	0.08557648	0.08936351	-0.003787	0.61105963	0.99999994
Ankrd27	0.031943	0.02451818	0.02830843	-0.0037902	0.81359647	0.99999994
Phykpl	0.07572803	0.06141874	0.06521011	-0.0037914	0.65062432	0.99999994
Pomgnt1	0.12029017	0.09654983	0.1003419	-0.0037921	0.59930697	0.99999994
Ralgapa2	0.05443423	0.04373587	0.04752869	-0.0037928	0.70235328	0.99999994
C8g	0.02234359	0.01613491	0.01992867	-0.0037938	0.89744892	0.99999994
Lclat1	0.02547442	0.01887852	0.02267353	-0.003795	0.86738544	0.99999994
Cldn7	0.88908613	0.41299571	0.41679341	-0.0037977	0.52418133	0.99999994
Zfp691	0.07685141	0.06233164	0.0661294	-0.0037978	0.6488692	0.99999994
Lemd2	0.0555504	0.04466866	0.04846777	-0.0037991	0.69907905	0.99999994
Fam83g	0.02352078	0.01716246	0.02096208	-0.0037996	0.88619567	0.99999994
Rad51ap2	0.01799373	0.01229597	0.01609586	-0.0037999	0.94195817	0.99999994
Nop9	0.11674108	0.09385448	0.09765704	-0.0038026	0.60225367	0.99999994
Poll	0.0340557	0.02633508	0.03013834	-0.0038033	0.79954249	0.99999994
Rbbp5	0.0475509	0.03789936	0.04170693	-0.0038076	0.72830065	0.99999994
Lrba	0.08614146	0.06986731	0.07368074	-0.0038134	0.6347677	0.99999994
Rnf113a2	0.1807771	0.13997665	0.14379056	-0.0038139	0.57007053	0.99999994
Ccdc91	0.16288343	0.12756614	0.1313803	-0.0038142	0.57661598	0.99999994
Dlc1	0.0344765	0.02668802	0.0305022	-0.0038142	0.79739447	0.99999994
Nufip1	0.11861632	0.09526084	0.09907757	-0.0038167	0.60118683	0.99999994

Ttbk2	0.05282245	0.04235098	0.0461702	-0.0038192	0.70905173	0.99999994
Wrap53	0.07271698	0.05891987	0.0627395	-0.0038196	0.65735131	0.99999994
Pgm1	0.08264942	0.06703319	0.07085287	-0.0038197	0.64014416	0.99999994
B4galt4	0.04815756	0.03840215	0.04222215	-0.00382	0.7264881	0.99999994
Arl15	0.03419004	0.02643387	0.03025453	-0.0038207	0.79971103	0.99999994
Zbtb22	0.06035756	0.04867558	0.05249656	-0.003821	0.68597945	0.99999994
Kri1	0.06555358	0.05300169	0.05682289	-0.0038212	0.67278763	0.99999994
Hs6st1	0.08418083	0.0682709	0.07209458	-0.0038237	0.63796825	0.99999994
Copg2	0.11477363	0.09233722	0.09616193	-0.0038247	0.60439802	0.99999994
Ttf1	0.11349003	0.09135714	0.0951838	-0.0038267	0.60549795	0.99999994
Toe1	0.07772185	0.06301396	0.06684078	-0.0038268	0.64843361	0.99999994
Phka1	0.01999058	0.01402963	0.01785813	-0.0038285	0.92321252	0.99999994
Rnf141	0.1387113	0.11020181	0.11403059	-0.0038288	0.58842629	0.99999994
Clp1	0.07026409	0.05688975	0.06071973	-0.00383	0.6627059	0.99999994
Proscos	0.02886767	0.02179984	0.02563552	-0.0038357	0.8403622	0.99999994
Tmem130	0.02198466	0.01577677	0.01961324	-0.0038365	0.90354595	0.99999994
G6pdx	0.06277537	0.05067581	0.05451334	-0.0038375	0.68031574	0.99999994
Scaf4	0.05028784	0.04018691	0.04402808	-0.0038412	0.7192873	0.99999994
Gga3	0.04139239	0.03261126	0.03645326	-0.003842	0.75851961	0.99999994
Tha1	0.0272868	0.02041407	0.02425724	-0.0038432	0.85419449	0.99999994
Amigo3	0.0131552	0.00796191	0.01180607	-0.0038442	0.98489677	0.99999994
Kif2a	0.08747385	0.07091201	0.07475639	-0.0038444	0.63393965	0.99999994
Ubxn8	0.11660691	0.09370981	0.09755524	-0.0038454	0.60348575	0.99999994
Gba2	0.03904485	0.0305936	0.03443933	-0.0038457	0.77134869	0.99999994
Pkp2	0.05517569	0.04430589	0.04815266	-0.0038468	0.70255235	0.99999994
Ncdn	0.04696156	0.03735723	0.04120603	-0.0038488	0.73293968	0.99999994
Tars2	0.0718754	0.05819795	0.06204725	-0.0038493	0.660178	0.99999994
Arid3b	0.04961135	0.03960582	0.04345514	-0.0038493	0.72228082	0.99999994
Usp24	0.03257337	0.02500546	0.02885496	-0.0038495	0.81273351	0.99999994
Mast2	0.03467227	0.02682165	0.03067141	-0.0038498	0.79827611	0.99999994

Zdhhc3	0.25147881	0.18559557	0.18944577	-0.0038502	0.55380494	0.99999994
Trpt1	0.06213757	0.05013126	0.05398195	-0.0038507	0.68254137	0.99999994
Rprd1a	0.14029405	0.11133631	0.11518766	-0.0038514	0.5880604	0.99999994
Reep6	0.13085798	0.10439071	0.10824537	-0.0038547	0.5936856	0.99999994
Dph2	0.04368393	0.03455681	0.03841311	-0.0038563	0.74800724	0.99999994
Avl9	0.2087649	0.15863373	0.16249248	-0.0038588	0.56279927	0.99999994
Hltf	0.06236905	0.05031552	0.05417486	-0.0038593	0.68231761	0.99999994
Lyz2	0.0375164	0.0292653	0.03312474	-0.0038594	0.78099165	0.99999994
Zxdb	0.03354587	0.02583756	0.02969722	-0.0038597	0.80651017	0.99999994
Adh1	0.01300952	0.00781676	0.01167648	-0.0038597	0.98610697	0.99999994
Vps54	0.04845715	0.03860971	0.04247644	-0.0038667	0.72772374	0.99999994
Mad1l1	0.05747393	0.04621057	0.05008288	-0.0038723	0.69660369	0.99999994
Mios	0.0569115	0.04573803	0.04961105	-0.003873	0.69834537	0.99999994
Asrgl1	0.0566438	0.04551126	0.04938635	-0.0038751	0.69926563	0.99999994
Pigq	0.11479781	0.09230374	0.09618034	-0.0038766	0.60576135	0.99999994
Atxn1	0.05100702	0.04075707	0.04463662	-0.0038795	0.71854699	0.99999994
Fbxw8	0.05844567	0.04701609	0.05089728	-0.0038812	0.69412686	0.99999994
Srr	0.04371379	0.03455729	0.03843861	-0.0038813	0.74924733	0.99999994
Usp51	0.13048414	0.10408575	0.10796813	-0.0038824	0.59458403	0.99999994
Dph5	0.06588326	0.05321107	0.0570964	-0.0038853	0.6747098	0.99999994
Kbtbd7	0.03154402	0.02407432	0.02796228	-0.003888	0.82265234	0.99999994
Sec23a	0.0405354	0.03182966	0.03571878	-0.0038891	0.76569889	0.99999994
Kdelr3	0.02035882	0.01429134	0.01818259	-0.0038913	0.92285273	0.99999994
Tjap1	0.08780398	0.07113081	0.07502261	-0.0038918	0.6350653	0.99999994
Gtf2h1	0.12759185	0.10192091	0.10581715	-0.0038962	0.59680691	0.99999994
Cyp4v3	0.04136738	0.03253522	0.03643184	-0.0038966	0.76174922	0.99999994
Mycbp	0.46109574	0.2938431	0.29774045	-0.0038974	0.53471602	0.99999994
Tysnd1	0.12585171	0.10061363	0.10451816	-0.0039045	0.59818995	0.99999994
Mpdz	0.04643349	0.03684995	0.04075687	-0.0039069	0.73828702	0.99999994
Rcor3	0.15303179	0.12048411	0.12439149	-0.0039074	0.58281054	0.99999994

Krr1	0.12599988	0.10071781	0.10462891	-0.0039111	0.59824977	0.99999994
Maob	0.28285552	0.204177	0.2080891	-0.0039121	0.54979378	0.99999994
Sptbn4	0.01686483	0.01118403	0.01509749	-0.0039135	0.95777349	0.99999994
Hdac8	0.06421608	0.05179813	0.05571206	-0.0039139	0.6799745	0.99999994
Tada2b	0.03404353	0.02621097	0.03012782	-0.0039168	0.80658396	0.99999994
Ddx47	0.29287922	0.20993014	0.21384745	-0.0039173	0.54852377	0.99999994
Blm	0.03054077	0.02317304	0.02709105	-0.003918	0.83214251	0.99999994
Vps51	0.12852929	0.1025972	0.10651542	-0.0039182	0.59671663	0.99999994
Anapc7	0.1598673	0.12533419	0.12925263	-0.0039184	0.57996139	0.99999994
Atp5k	1.18679445	0.42537996	0.42929997	-0.00392	0.52423288	0.99999994
Mapk10	0.01011363	0.00517194	0.00909508	-0.0039231	0.99795546	0.99999994
Cxxc1	0.20127724	0.15364833	0.15757191	-0.0039236	0.56582124	0.99999994
Gm4353	0.02612801	0.01932126	0.0232451	-0.0039238	0.86941136	0.99999994
Bscl2	0.20643852	0.15704033	0.16097025	-0.0039299	0.56454717	0.99999994
Vcpkmt	0.13111453	0.10450284	0.10843553	-0.0039327	0.59538116	0.99999994
Adam32	0.0156948	0.01012554	0.01406114	-0.0039356	0.96877309	0.99999994
Mfsd6	0.0727897	0.05886351	0.06279929	-0.0039358	0.66172298	0.99999994
Sirt2	0.31551482	0.22257708	0.22651321	-0.0039361	0.54604212	0.99999994
Usp31	0.02232585	0.01597688	0.01991308	-0.0039362	0.90587196	0.99999994
Csk	0.171573	0.13351375	0.13745203	-0.0039383	0.57562679	0.99999994
Tubgcp3	0.05518552	0.04422128	0.04816092	-0.0039396	0.70695162	0.99999994
Ctdspl2	0.15539858	0.12213928	0.12608071	-0.0039414	0.58241891	0.99999994
Zfp827	0.04890031	0.03891007	0.04285239	-0.0039423	0.72985362	0.99999994
Per3	0.03247608	0.02482636	0.02877064	-0.0039443	0.81925931	0.99999994
Ankzf1	0.08276576	0.06700233	0.07094728	-0.003945	0.64435361	0.99999994
Galns	0.12221552	0.09784671	0.10179194	-0.0039452	0.60179099	0.99999994
Dolpp1	0.06486693	0.05230676	0.05625285	-0.0039461	0.67972794	0.99999994
Ascc2	0.07301503	0.05903722	0.06298449	-0.0039473	0.6617182	0.99999994
Pikfyve	0.05491494	0.04398224	0.04793329	-0.0039511	0.70838444	0.99999994
Mipep	0.05814088	0.04668985	0.05064196	-0.0039521	0.69828118	0.99999994

Csad	0.07223303	0.05838826	0.06234152	-0.0039533	0.66352386	0.99999994
Opa1	0.11289776	0.09077306	0.09473178	-0.0039587	0.6095556	0.99999994
Stk32b	0.01361872	0.00825459	0.01221824	-0.0039637	0.98458859	0.99999994
S100a9	0.01883796	0.01287262	0.01684149	-0.0039689	0.94163432	0.99999994
Cd47	0.38688592	0.25956631	0.26353568	-0.0039694	0.53993026	0.99999994
Gm10053	0.07219309	0.05833586	0.06230866	-0.0039728	0.66436662	0.99999994
G730003C15	0.04598411	0.03640123	0.04037439	-0.0039732	0.74377865	0.99999994
Tatdn1	0.12376825	0.09898457	0.10295806	-0.0039735	0.60136844	0.99999994
Cpped1	0.05704019	0.04574483	0.04971904	-0.0039742	0.70265966	0.99999994
Zfp13	0.03120537	0.02369309	0.02766832	-0.0039752	0.83055224	0.99999994
Sirt4	0.07465249	0.06035258	0.06432872	-0.0039761	0.65962067	0.99999994
Ptges2	0.09963665	0.08051435	0.08449095	-0.0039766	0.62296766	0.99999994
Abcc4	0.04960733	0.03947387	0.04345173	-0.0039779	0.72885963	0.99999994
Gsto2	0.01289581	0.00758805	0.01157531	-0.0039873	0.98907208	0.99999994
Rcan1	0.09851807	0.07961471	0.083602	-0.0039873	0.62455516	0.99999994
Armc8	0.18890732	0.14532149	0.14931124	-0.0039898	0.5705854	0.99999994
Zhx3	0.06165748	0.04959114	0.05358166	-0.0039905	0.6899596	0.99999994
Zfp362	0.0474016	0.03758912	0.04158007	-0.003991	0.73855359	0.99999994
Snx19	0.03239927	0.024713	0.02870406	-0.0039911	0.82264982	0.99999994
Lhfpl4	0.01934115	0.0132913	0.01728552	-0.0039942	0.93798828	0.99999994
Bace2	0.14370673	0.11367726	0.11767245	-0.0039952	0.58939744	0.99999994
Znfx1	0.05403062	0.04318994	0.04718877	-0.0039988	0.71364582	0.99999994
Rrp15	0.13957639	0.1106621	0.11466338	-0.0040013	0.59183943	0.99999994
Tex10	0.08965567	0.07251028	0.0765138	-0.0040035	0.63618803	0.99999994
Arnt	0.06590685	0.05311223	0.05711597	-0.0040037	0.67960718	0.99999994
Acad9	0.04753291	0.03768619	0.04169165	-0.0040055	0.738751	0.99999994
Med20	0.11817476	0.09473583	0.09874347	-0.0040076	0.60648033	0.99999994
Gm14296	0.04555036	0.03599432	0.040005	-0.0040107	0.7477193	0.99999994
Adamts17	0.01711719	0.01130962	0.01532081	-0.0040112	0.95930884	0.99999994
Arl4d	0.02868844	0.02146791	0.0254794	-0.0040115	0.85267637	0.99999994

Tceanc	0.04380166	0.03450125	0.03851364	-0.0040124	0.75599118	0.99999994
Cdkn2b	0.03982613	0.03109738	0.03511028	-0.0040129	0.77660683	0.99999994
Rfxap	0.11911921	0.09544442	0.09945778	-0.0040134	0.60588128	0.99999994
Map2k7	0.17278664	0.13427901	0.13829331	-0.0040143	0.57660541	0.99999994
Slc35a5	0.06487639	0.05224487	0.0562607	-0.0040158	0.68265078	0.99999994
Bmpr2	0.07072409	0.0570819	0.061099	-0.0040171	0.66917589	0.99999994
Tstd2	0.05019517	0.03993005	0.04394963	-0.0040196	0.72866556	0.99999994
Mrgpre	0.02742338	0.02035646	0.02437643	-0.00402	0.86383525	0.99999994
Ccdc137	0.07290831	0.05887526	0.06289678	-0.0040215	0.66479948	0.99999994
Dnmt3bos	0.0128919	0.00754995	0.01157183	-0.0040219	0.98965156	0.99999994
Soga1	0.02036041	0.01416155	0.01818399	-0.0040224	0.92954884	0.99999994
Cog2	0.08342806	0.06746144	0.07148452	-0.0040231	0.64602604	0.99999994
Fry	0.03473975	0.026704	0.03072972	-0.0040257	0.80839883	0.99999994
Ythdc2	0.06405023	0.05154824	0.05557418	-0.0040259	0.68516934	0.99999994
Ccnk	0.07281159	0.05879063	0.06281728	-0.0040266	0.66519347	0.99999994
Acad12	0.03084165	0.02332538	0.02735245	-0.0040271	0.83645901	0.99999994
Snap29	0.09906351	0.08000532	0.08403563	-0.0040303	0.62522604	0.99999994
4833418N02	0.03554877	0.0273977	0.03142846	-0.0040308	0.80336198	0.99999994
Zfp280d	0.20098696	0.15334801	0.15737995	-0.0040319	0.56770339	0.99999994
Flrt1	0.06485436	0.05220739	0.05624241	-0.004035	0.68351442	0.99999994
Commd2	0.3858144	0.25897568	0.2630109	-0.0040352	0.54067109	0.99999994
Cebpg	0.20460192	0.1557288	0.15976419	-0.0040354	0.56675925	0.99999994
Clec16a	0.0349575	0.02688192	0.03091787	-0.0040359	0.80755075	0.99999994
Primpol	0.03903682	0.03039636	0.03443244	-0.0040361	0.78237565	0.99999994
Tsga10	0.03433879	0.02634694	0.03038315	-0.0040362	0.81172107	0.99999994
Saal1	0.08489685	0.06863527	0.07267431	-0.004039	0.64428731	0.99999994
Nup205	0.04533264	0.0357796	0.03981951	-0.0040399	0.75026507	0.99999994
Gm9755	0.07082891	0.05714516	0.06118539	-0.0040402	0.66986366	0.99999994
Chfr	0.18207534	0.14063667	0.14467695	-0.0040403	0.57373338	0.99999994
Slc7a4	0.17709775	0.1372272	0.14126836	-0.0040412	0.57550749	0.99999994

Nphp3	0.01695372	0.01113399	0.01517616	-0.0040422	0.96187901	0.99999994
Pex7	0.4046991	0.2680829	0.27212667	-0.0040438	0.53939613	0.99999994
Pan3	0.12768779	0.10184444	0.10588867	-0.0040442	0.60034012	0.99999994
Coro7	0.05249521	0.04184931	0.04589404	-0.0040447	0.72127637	0.99999994
Swsap1	0.08484767	0.06858921	0.07263451	-0.0040453	0.64457648	0.99999994
Map3k11	0.05153537	0.04103777	0.04508332	-0.0040456	0.72484912	0.99999994
Fn3k	0.01931867	0.01321976	0.01726568	-0.0040459	0.94059695	0.99999994
Fam193b	0.06550278	0.05273332	0.05678073	-0.0040474	0.68241915	0.99999994
Rad17	0.24041572	0.17859154	0.18264286	-0.0040513	0.55869015	0.99999994
Gm13269	0.03220273	0.02447882	0.02853367	-0.0040549	0.82790532	0.99999994
Harbi1	0.15761818	0.12360408	0.12765905	-0.004055	0.5837252	0.99999994
Srf	0.07580088	0.06121279	0.06526977	-0.004057	0.66046756	0.99999994
Parp16	0.04743999	0.03755559	0.04161269	-0.0040571	0.74182237	0.99999994
Ulk1	0.08089201	0.0653669	0.06942488	-0.004058	0.65138919	0.99999994
Cbarp	0.16396186	0.12808028	0.13213847	-0.0040582	0.58099024	0.99999994
Lrp6	0.12819929	0.10221154	0.10626973	-0.0040582	0.60032603	0.99999994
Fam13b	0.0526212	0.04193998	0.04600038	-0.0040604	0.72158254	0.99999994
Rpsud4	0.06677581	0.05377428	0.0578363	-0.004062	0.67992756	0.99999994
E430024P14I	0.04128178	0.03229624	0.03635851	-0.0040623	0.77147184	0.99999994
Fam210a	0.04938223	0.03919832	0.04326097	-0.0040627	0.73404772	0.99999994
C920021L13F	0.02815718	0.02095276	0.02501644	-0.0040637	0.86020941	0.99999994
Rev1	0.06447687	0.05186396	0.0559288	-0.0040648	0.68572785	0.99999994
Eml6	0.01285187	0.00747088	0.01153621	-0.0040653	0.99050391	0.99999994
Tcerg1	0.22752892	0.17049603	0.17456301	-0.004067	0.56162101	0.99999994
Rybp	0.14175209	0.1121832	0.11625094	-0.0040677	0.59208553	0.99999994
Pi4k2a	0.03703874	0.02864314	0.03271335	-0.0040702	0.79621766	0.99999994
Alg9	0.06418931	0.05161892	0.0556898	-0.0040709	0.68672011	0.99999994
Gde1	0.43754416	0.28325698	0.28732947	-0.0040725	0.53758218	0.99999994
Ubac2	0.10862756	0.0873871	0.09145991	-0.0040728	0.61654327	0.99999994
D130020L05I	0.03452745	0.02647252	0.03054624	-0.0040737	0.81265123	0.99999994

4933434E20I	0.42595728	0.27798458	0.28205854	-0.004074	0.53829618	0.99999994
Cep63	0.13513302	0.10732906	0.11140374	-0.0040747	0.59617597	0.99999994
Mak16	0.23192314	0.17326063	0.17733704	-0.0040764	0.56080411	0.99999994
Rnf166	0.12050139	0.09642251	0.10050119	-0.0040787	0.60647295	0.99999994
Ap4b1	0.05431489	0.04334822	0.0474282	-0.00408	0.71654521	0.99999994
Cluap1	0.18321189	0.14137027	0.14545143	-0.0040812	0.57407861	0.99999994
Fbxo42	0.03622153	0.02792765	0.03200894	-0.0040813	0.80198076	0.99999994
Ccdc134	0.04875083	0.03864411	0.0427256	-0.0040815	0.73756898	0.99999994
Slc10a7	0.03235897	0.02458457	0.02866913	-0.0040846	0.82852337	0.99999994
Stat1	0.03951355	0.03075713	0.03484193	-0.0040848	0.78241616	0.99999994
Slc12a7	0.07363594	0.05940501	0.06349454	-0.0040895	0.66593667	0.99999994
Zfp598	0.04078431	0.03183922	0.0359322	-0.004093	0.77583871	0.99999994
Nell1	0.01041605	0.00527032	0.00936513	-0.0040948	0.99819533	0.99999994
Katnal1	0.05910287	0.04735023	0.05144747	-0.0040972	0.70198172	0.99999994
Leo1	0.26715326	0.19477888	0.19887769	-0.0040988	0.55455793	0.99999994
Tmem132b	0.01456442	0.00895802	0.01305836	-0.0041003	0.98169586	0.99999994
Pold3	0.08667175	0.0700085	0.07410907	-0.0041006	0.64367777	0.99999994
Erlin1	0.03913902	0.03041742	0.03452024	-0.0041028	0.78556493	0.99999994
Ifrd2	0.07576722	0.06113934	0.0652422	-0.0041029	0.6622443	0.99999994
Mfsd12	0.02395924	0.01723393	0.02134657	-0.0041126	0.9001521	0.99999994
Grcc10	0.39045032	0.26115819	0.26527496	-0.0041168	0.54113716	0.99999994
Tcaf1	0.24451451	0.1810572	0.18517729	-0.0041201	0.55886828	0.99999994
Ptprn	0.19182259	0.14715305	0.15127334	-0.0041203	0.57193467	0.99999994
Gigyf1	0.05941094	0.04758457	0.05170522	-0.0041206	0.70210992	0.99999994
Mvk	0.08976351	0.07247904	0.07660053	-0.0041215	0.63988278	0.99999994
Zfp715	0.02643186	0.0193881	0.02351065	-0.0041225	0.8784308	0.99999994
Dnmt3a	0.72813932	0.38465702	0.38878184	-0.0041248	0.52815046	0.99999994
Ppip5k2	0.10077336	0.08125699	0.08538225	-0.0041253	0.62612345	0.99999994
Usp45	0.04047212	0.03153711	0.03566452	-0.0041274	0.77944853	0.99999994
Zkscan6	0.05018906	0.03981689	0.04394446	-0.0041276	0.73408389	0.99999994

Slc25a46	0.17461553	0.13542974	0.13955798	-0.0041282	0.57804733	0.99999994
Ostm1	0.08242546	0.06654175	0.07067107	-0.0041293	0.65133675	0.99999994
Sars2	0.05310715	0.04227825	0.04641037	-0.0041321	0.72329033	0.99999994
Kank1	0.03013179	0.02260309	0.02673555	-0.0041325	0.84822741	0.99999994
Sipa1l1	0.05927288	0.04745723	0.05158973	-0.0041325	0.70305058	0.99999994
Cyb5rl	0.06306367	0.0506192	0.05475339	-0.0041342	0.69237486	0.99999994
Etf1	0.38991159	0.26087626	0.26501271	-0.0041364	0.5413739	0.99999994
Zfp12	0.03216023	0.02436013	0.02849682	-0.0041367	0.83304262	0.99999994
Slc25a28	0.03226579	0.02444855	0.02858835	-0.0041398	0.83244913	0.99999994
Dnajb12	0.09661264	0.07794421	0.08208479	-0.0041406	0.63147597	0.99999994
Itch	0.20947887	0.15881397	0.16295848	-0.0041445	0.56721587	0.99999994
Sos2	0.06152176	0.04932335	0.05346845	-0.0041451	0.69708283	0.99999994
5730455P16l	0.11164421	0.08962756	0.09377365	-0.0041461	0.61573681	0.99999994
Tdo2	0.01280218	0.00734391	0.01149199	-0.0041481	0.99186138	0.99999994
Rufy3	0.24097421	0.17884078	0.18298917	-0.0041484	0.55997288	0.99999994
Actr1a	0.2253148	0.16900787	0.17315786	-0.00415	0.56337429	0.99999994
Abt1	0.15199479	0.11949774	0.12364932	-0.0041516	0.58842313	0.99999994
Lrch1	0.03979809	0.0309346	0.03508622	-0.0041516	0.78454098	0.99999994
Ylpm1	0.2067433	0.15701838	0.16117005	-0.0041517	0.5680709	0.99999994
Acap2	0.10412044	0.0838292	0.08798176	-0.0041526	0.62330286	0.99999994
Dffa	0.08868963	0.0715825	0.07573628	-0.0041538	0.64247017	0.99999994
Zfp120	0.10712315	0.08614735	0.09030179	-0.0041544	0.62028649	0.99999994
Zfp865	0.11807653	0.09451203	0.09866912	-0.0041571	0.61043125	0.99999994
Tsr2	0.10962162	0.08806599	0.09222359	-0.0041576	0.61794213	0.99999994
Hnf4a	0.04181004	0.03265199	0.0368109	-0.0041589	0.77398582	0.99999994
Uckl1	0.21713418	0.16376201	0.16792159	-0.0041596	0.56548248	0.99999994
Dnajb3	0.05981688	0.04788291	0.05204469	-0.0041618	0.70273346	0.99999994
Prss2	0.0487353	0.03854885	0.04271242	-0.0041636	0.74178455	0.99999994
Gnl3	0.15253102	0.11986926	0.12403325	-0.004164	0.588413	0.99999994
Zfp142	0.02607463	0.01903434	0.02319844	-0.0041641	0.8839191	0.99999994

Cwc22	0.1743366	0.13519985	0.13936534	-0.0041655	0.57884983	0.99999994
Tcf4	0.23667375	0.17614847	0.18031424	-0.0041658	0.5611087	0.99999994
Nrxn1	0.01598598	0.01015248	0.0143192	-0.0041667	0.97362249	0.99999994
Ddx19a	0.14915834	0.1174462	0.12161297	-0.0041668	0.59020155	0.99999994
Notch1	0.04842236	0.03827798	0.04244691	-0.0041689	0.74336522	0.99999994
Mgat5	0.06557465	0.05266983	0.05684037	-0.0041705	0.68736566	0.99999994
Aldh4a1	0.04123916	0.03215016	0.036322	-0.0041718	0.77772429	0.99999994
Wnt4	0.04258961	0.0333052	0.03747793	-0.0041727	0.77068585	0.99999994
Polr1a	0.03803158	0.02939515	0.03356813	-0.004173	0.79601662	0.99999994
Zfp866	0.07565455	0.0609763	0.06514994	-0.0041736	0.66509892	0.99999994
Tmem178b	0.03864625	0.02991857	0.03409676	-0.0041782	0.79265423	0.99999994
Prmt7	0.14326611	0.11317337	0.1173524	-0.004179	0.59368699	0.99999994
S100a6	0.04809951	0.03798819	0.04217286	-0.0041847	0.74552986	0.99999994
Med13l	0.0624114	0.05002445	0.05421015	-0.0041857	0.69635789	0.99999994
Fcna	0.01032599	0.0050975	0.00928473	-0.0041872	0.99865842	0.99999994
Tmppe	0.02626176	0.01917461	0.023362	-0.0041874	0.8835816	0.99999994
Alkbh3	0.09836413	0.07929194	0.08347956	-0.0041876	0.63077463	0.99999994
Arsb	0.0433623	0.03394968	0.03813839	-0.0041887	0.7676297	0.99999994
Klhl28	0.05572302	0.04442326	0.04861287	-0.0041896	0.71690329	0.99999994
Cyb5r1	0.0351901	0.02692757	0.03111878	-0.0041912	0.81500892	0.99999994
Lipa	0.04203198	0.03280466	0.03700087	-0.0041962	0.77484152	0.99999994
Mapre2	0.28733459	0.20647414	0.21067369	-0.0041995	0.55277956	0.99999994
Rsph3a	0.02822824	0.0208769	0.02507838	-0.0042015	0.86761029	0.99999994
Pigm	0.06252687	0.05010446	0.05430635	-0.0042019	0.69673332	0.99999994
Rnft1	0.06164017	0.04936472	0.05356722	-0.0042025	0.69923814	0.99999994
Myh14	0.05089325	0.04033359	0.04454039	-0.0042068	0.73522302	0.99999994
Cdc25a	0.10426948	0.08388858	0.08809719	-0.0042086	0.62475355	0.99999994
Slc15a2	0.05780542	0.04615146	0.05036081	-0.0042094	0.71101899	0.99999994
Ide	0.07640688	0.06155507	0.06576579	-0.0042107	0.66501165	0.99999994
Got2	0.36875494	0.25032187	0.2545326	-0.0042107	0.5438413	0.99999994

Dcaf6	0.08008964	0.06456081	0.06877185	-0.004211	0.65820975	0.99999994
Med17	0.06601602	0.05299505	0.05720651	-0.0042115	0.68794405	0.99999994
Tnfsf12	0.01675864	0.01079199	0.01500351	-0.0042115	0.96915066	0.99999994
Eml1	0.03731039	0.02873099	0.03294734	-0.0042164	0.80284583	0.99999994
Rims2	0.06925215	0.05566822	0.05988461	-0.0042164	0.68034519	0.99999994
Polg2	0.04383355	0.03432381	0.03854087	-0.0042171	0.76679234	0.99999994
Mapk8ip1	0.17227562	0.13372078	0.13793928	-0.0042185	0.58065393	0.99999994
Zbtb38	0.08694326	0.0701052	0.07432826	-0.0042231	0.64735545	0.99999994
Polr3c	0.12304363	0.0981872	0.10241423	-0.004227	0.60823946	0.99999994
Ccdc148	0.04223445	0.03294683	0.03717412	-0.0042273	0.77545526	0.99999994
Zfp637	0.27946359	0.20189055	0.2061188	-0.0042282	0.55430519	0.99999994
Foxred1	0.07314798	0.05886302	0.06309374	-0.0042307	0.67232343	0.99999994
Aup1	0.21858293	0.16462098	0.16885402	-0.004233	0.56626384	0.99999994
Adora2b	0.01441047	0.00868679	0.01292167	-0.0042349	0.98542738	0.99999994
Tnik	0.06965662	0.05598363	0.06021853	-0.0042349	0.68014767	0.99999994
Sc11	0.05066845	0.0401148	0.04435021	-0.0042354	0.73750673	0.99999994
Slc12a9	0.05594888	0.04456632	0.04880269	-0.0042364	0.71830425	0.99999994
1810062G17	0.00950747	0.00431682	0.00855347	-0.0042367	0.99951136	0.99999994
Rmi1	0.09223905	0.07434665	0.0785883	-0.0042417	0.64030139	0.99999994
Endod1	0.01942311	0.01311604	0.01735781	-0.0042418	0.94809196	0.99999994
Terf2	0.08439947	0.06802866	0.07227166	-0.004243	0.6520232	0.99999994
Tufm	0.12740547	0.10143207	0.1056782	-0.0042461	0.60543911	0.99999994
Prr3	0.15563957	0.12200574	0.12625236	-0.0042466	0.58857975	0.99999994
Dclre1c	0.02645458	0.01928302	0.0235305	-0.0042475	0.8852282	0.99999994
Isca1	0.04664675	0.03669073	0.0409383	-0.0042476	0.75510172	0.99999994
Utp23	0.10606681	0.08523884	0.0894869	-0.0042481	0.62399346	0.99999994
Mrps30	0.227944	0.17057716	0.17482588	-0.0042487	0.56425526	0.99999994
Mrpl49	0.45831295	0.29228229	0.29653105	-0.0042488	0.53799102	0.99999994
Wdfy3	0.07946156	0.06400991	0.06826018	-0.0042503	0.66073244	0.99999994
Foxo1	0.19202863	0.1471611	0.15141161	-0.0042505	0.57411529	0.99999994

Timm10	0.21078962	0.1595566	0.16381258	-0.004256	0.56864967	0.99999994
Gal3st1	0.03641682	0.02792088	0.03217735	-0.0042565	0.81070904	0.99999994
Gtf2h2	0.12796819	0.10183973	0.1060976	-0.0042579	0.60531562	0.99999994
Paxip1	0.1040836	0.08369502	0.08795323	-0.0042582	0.62637361	0.99999994
Ugcg	0.06551282	0.05252887	0.05678906	-0.0042602	0.6912321	0.99999994
Lyp1a1	0.2438689	0.18051866	0.18477919	-0.0042605	0.56098945	0.99999994
Crtap	0.03211515	0.02419699	0.02845773	-0.0042607	0.84052087	0.99999994
Rab31	0.02787817	0.02051197	0.02477317	-0.0042612	0.87388539	0.99999994
Nsdhl	0.11890375	0.09503147	0.09929492	-0.0042635	0.61248668	0.99999994
Fer	0.14758674	0.11621527	0.12048065	-0.0042654	0.59315004	0.99999994
Snhg20	0.14814503	0.11661755	0.12088323	-0.0042657	0.59285163	0.99999994
Nup160	0.0287022	0.02122463	0.02549139	-0.0042668	0.8673915	0.99999994
Sart1	0.22531349	0.16888976	0.17315703	-0.0042673	0.56514981	0.99999994
Mettl3	0.10901771	0.08749151	0.09175979	-0.0042683	0.62157715	0.99999994
Snhg12	0.1042983	0.08384982	0.0881195	-0.0042697	0.62647163	0.99999994
Pyroxd1	0.13043659	0.10366017	0.10793285	-0.0042727	0.60391798	0.99999994
Setd1a	0.04106143	0.03189613	0.03616971	-0.0042736	0.78420474	0.99999994
Zfp958	0.04369864	0.0341515	0.03842567	-0.0042742	0.7704714	0.99999994
Tmem260	0.03257611	0.02458247	0.02885733	-0.0042749	0.83794774	0.99999994
Dtwd1	0.08950314	0.07211584	0.07639109	-0.0042752	0.6452489	0.99999994
Lsm1	0.48414945	0.30327513	0.30755232	-0.0042772	0.53687789	0.99999994
Zfp213	0.05058225	0.03999654	0.04427727	-0.0042807	0.74006255	0.99999994
Setd6	0.07170831	0.05762759	0.06190972	-0.0042821	0.67738617	0.99999994
Mgat3	0.03873644	0.02989179	0.03417429	-0.0042825	0.7978969	0.99999994
Smim10l2a	0.03527702	0.0269092	0.03119384	-0.0042846	0.81971683	0.99999994
Noct	0.15019906	0.11807456	0.12236121	-0.0042867	0.59219341	0.99999994
Dusp22	0.0863324	0.06954725	0.073835	-0.0042878	0.65045478	0.99999994
Slc18a1	0.02441551	0.0174569	0.02174645	-0.0042896	0.90540643	0.99999994
Pycard	0.09308687	0.07497741	0.07926763	-0.0042902	0.64067497	0.99999994
Klhl42	0.04794995	0.03775563	0.04204588	-0.0042902	0.75149349	0.99999994

Lactb2	0.06552002	0.05250359	0.05679504	-0.0042914	0.69250239	0.99999994
Sp4	0.05917211	0.04721255	0.05150541	-0.0042929	0.71048166	0.99999994
Ift172	0.02418079	0.01724721	0.02154077	-0.0042936	0.90770639	0.99999994
Mgat4b	0.04448441	0.03480234	0.03909633	-0.004294	0.7676332	0.99999994
Pou2f1	0.10650258	0.08552748	0.08982324	-0.0042958	0.62488541	0.99999994
Mtor	0.06337839	0.05071475	0.05501534	-0.0043006	0.6985841	0.99999994
Mob1b	0.15306519	0.12011275	0.12441537	-0.0043026	0.59102978	0.99999994
Rnf130	0.54983509	0.32926142	0.33356418	-0.0043028	0.53421221	0.99999994
Acsf3	0.09109993	0.07337021	0.07767441	-0.0043042	0.64388049	0.99999994
Cdc123	0.52536829	0.31989002	0.32419993	-0.0043099	0.53525623	0.99999994
Zadh2	0.04325588	0.03373713	0.03804747	-0.0043103	0.77460158	0.99999994
Abl2	0.04459067	0.03487575	0.03918697	-0.0043112	0.7680101	0.99999994
Hmgcl	0.22852333	0.17088073	0.17519248	-0.0043117	0.56506465	0.99999994
Csgalnact2	0.02673945	0.01946726	0.02377935	-0.0043121	0.88629347	0.99999994
Med16	0.11641469	0.09309687	0.09740936	-0.0043125	0.61588418	0.99999994
Dnmt1	0.09186071	0.07397207	0.07828492	-0.0043128	0.6430823	0.99999994
1700019D03	0.03396741	0.02574826	0.03006197	-0.0043137	0.83024819	0.99999994
Dcdc2a	0.03144232	0.02355455	0.02787402	-0.0043195	0.84884582	0.99999994
Slitrk6	0.13138727	0.10431733	0.1086376	-0.0043203	0.60438278	0.99999994
Gm14966	0.0508349	0.04016967	0.04449104	-0.0043214	0.74103039	0.99999994
Tbc1d8	0.07929212	0.06379902	0.06812208	-0.0043231	0.66363927	0.99999994
Itga3	0.02276486	0.01597547	0.02029867	-0.0043232	0.92185619	0.99999994
Zfx	0.13196491	0.10473936	0.10906526	-0.0043259	0.60411552	0.99999994
Ap1s1	0.68109662	0.37293868	0.37726494	-0.0043263	0.53042222	0.99999994
Gatc	0.16867627	0.13110972	0.13543741	-0.0043277	0.58421684	0.99999994
Rpp25	0.01541084	0.00948033	0.01380938	-0.004329	0.9815413	0.99999994
Tsen54	0.08885357	0.07153814	0.07586829	-0.0043302	0.64799353	0.99999994
Zfp426	0.05683269	0.04521209	0.04954491	-0.0043328	0.7197551	0.99999994
Erich3	0.01175568	0.00622416	0.01056004	-0.0043359	0.9968625	0.99999994
Leng8	0.08566574	0.068958	0.07329625	-0.0043383	0.65320058	0.99999994

Ptpn9	0.08971053	0.07221782	0.07655792	-0.0043401	0.64704388	0.99999994
Card19	0.2726432	0.197784	0.20212468	-0.0043407	0.55683395	0.99999994
Map3k12	0.05023109	0.03963894	0.04398004	-0.0043411	0.74441688	0.99999994
Rcn3	0.11879071	0.09486824	0.09920946	-0.0043412	0.61457743	0.99999994
Adam17	0.04613875	0.03616346	0.04050603	-0.0043426	0.76226753	0.99999994
Smug1	0.05545169	0.04404123	0.04838477	-0.0043435	0.72492907	0.99999994
Eef2k	0.02867837	0.02112353	0.02547063	-0.0043471	0.87203179	0.99999994
Abl1	0.05542055	0.04401118	0.04835858	-0.0043474	0.72521421	0.99999994
Cbx8	0.0620559	0.04956564	0.05391387	-0.0043482	0.70431264	0.99999994
Dnlz	0.34408226	0.2374994	0.24184839	-0.004349	0.54763822	0.99999994
Dnajc25	0.08868446	0.07138306	0.07573211	-0.004349	0.64886315	0.99999994
Phb	0.1859396	0.14295296	0.14730441	-0.0043514	0.57794232	0.99999994
Tenm3	0.04096628	0.03173663	0.03608816	-0.0043515	0.78890529	0.99999994
Fkbp1	0.11411554	0.09130783	0.09566071	-0.0043529	0.61901182	0.99999994
Nr1d2	0.01943036	0.01300979	0.0173642	-0.0043544	0.95246233	0.99999994
Rapgef6	0.08152832	0.06558762	0.06994229	-0.0043547	0.66072077	0.99999994
Tbc1d10b	0.06994664	0.05610189	0.06045787	-0.004356	0.68424039	0.99999994
Asns	0.1666586	0.12967039	0.1340286	-0.0043582	0.58567947	0.99999994
Fnbp4	0.14332514	0.11303698	0.1173953	-0.0043583	0.59759174	0.99999994
Ifngr2	0.11486886	0.09187544	0.09623442	-0.004359	0.61848445	0.99999994
Agpat2	0.16644475	0.12951739	0.13387901	-0.0043616	0.58583972	0.99999994
Mccc1	0.05420437	0.04297338	0.04733512	-0.0043617	0.73017972	0.99999994
Mtap	0.06775129	0.05428184	0.05864395	-0.0043621	0.68974238	0.99999994
Ttl7	0.39678595	0.26397729	0.26834086	-0.0043636	0.54309772	0.99999994
5430416N02	0.07265894	0.05832523	0.06269179	-0.0043666	0.678541	0.99999994
Gm14167	0.03554819	0.02705856	0.03142796	-0.0043694	0.82262825	0.99999994
Ppat	0.10586404	0.08495984	0.08933033	-0.0043705	0.62766004	0.99999994
Ptpn23	0.0491203	0.03866665	0.04303893	-0.0043723	0.75054713	0.99999994
Arhgap21	0.05981243	0.0476686	0.05204097	-0.0043724	0.71200543	0.99999994
Trak2	0.04380581	0.03414435	0.03851718	-0.0043728	0.77508284	0.99999994

Zfp651	0.02496182	0.01785011	0.02222491	-0.0043748	0.90494483	0.99999994
Prpf31	0.27050145	0.19648543	0.20086147	-0.004376	0.55765162	0.99999994
Mtmr2	0.15917886	0.12438416	0.12876545	-0.0043813	0.58958796	0.99999994
Adgrl3	0.01681117	0.01066795	0.01505	-0.004382	0.97369477	0.99999994
Gclc	0.01771412	0.01146641	0.01584872	-0.0043823	0.96715568	0.99999994
Nup214	0.10788247	0.08650064	0.09088668	-0.004386	0.6259798	0.99999994
Fxr2	0.14837029	0.11665643	0.12104555	-0.0043891	0.59536207	0.99999994
Zfp324	0.02549428	0.01830167	0.02269091	-0.0043892	0.90105395	0.99999994
Adck1	0.04392365	0.0342258	0.03861779	-0.004392	0.77548255	0.99999994
Smim13	0.10086315	0.08106001	0.08545218	-0.0043922	0.63387391	0.99999994
Ino80e	0.23946759	0.1776607	0.18205423	-0.0043935	0.56381097	0.99999994
Dbt	0.05219794	0.04124682	0.04564306	-0.0043962	0.73927922	0.99999994
Adar	0.03052541	0.02268143	0.0270777	-0.0043963	0.86008683	0.99999994
Chp1	0.20238448	0.15390473	0.15830332	-0.0043986	0.5733668	0.99999994
Mthfs1	0.23634365	0.17570824	0.1801081	-0.0043999	0.56458653	0.99999994
Med23	0.04428515	0.03452636	0.03892632	-0.0044	0.77409137	0.99999994
Lcmt2	0.0983806	0.07909194	0.08349266	-0.0044007	0.63714678	0.99999994
Tmem150a	0.06436982	0.05143855	0.05583984	-0.0044013	0.70008802	0.99999994
Sdc2	0.09316688	0.07492762	0.0793317	-0.0044041	0.64413214	0.99999994
Mtus1	0.01911647	0.01268286	0.01708729	-0.0044044	0.95689568	0.99999994
Rcan2	0.11243348	0.08997034	0.09437714	-0.0044068	0.62202691	0.99999994
Brd8	0.37202807	0.25176894	0.25617767	-0.0044087	0.54560054	0.99999994
Ptdss1	0.14037395	0.11083498	0.11524599	-0.004411	0.60054984	0.99999994
Sntg2	0.01573083	0.00968204	0.01409308	-0.004411	0.98139247	0.99999994
Cst6	0.04047811	0.0312575	0.03566966	-0.0044122	0.79484765	0.99999994
Zranb3	0.02172173	0.01496972	0.01938209	-0.0044124	0.93515604	0.99999994
Otud4	0.07252423	0.05816814	0.06258102	-0.0044129	0.68059778	0.99999994
Fam98b	0.18065615	0.13929297	0.14370788	-0.0044149	0.58101581	0.99999994
Plekhj1	0.72638624	0.38397413	0.3883929	-0.0044188	0.53018292	0.99999994
Sspn	0.0407248	0.03146196	0.03588118	-0.0044192	0.79383905	0.99999994

Timm21	0.15547515	0.12171395	0.12613526	-0.0044213	0.59224335	0.99999994
Mpp2	0.0329646	0.02477183	0.02919393	-0.0044221	0.84333504	0.99999994
Cipc	0.03749155	0.02868058	0.03310333	-0.0044228	0.81308449	0.99999994
Lims1	0.21207542	0.1602238	0.16464869	-0.0044249	0.57098722	0.99999994
Rbsn	0.05294958	0.04185086	0.04627746	-0.0044266	0.73784111	0.99999994
Mrpl3	0.20550949	0.15593055	0.16036061	-0.0044301	0.57294865	0.99999994
Tyms	0.13023092	0.10335014	0.10778021	-0.0044301	0.607802	0.99999994
Eif2ak1	0.08460278	0.06800596	0.07243628	-0.0044303	0.65803757	0.99999994
Zfp687	0.07521955	0.0603609	0.06479357	-0.0044327	0.67558078	0.99999994
Vps9d1	0.09876332	0.07936357	0.08379701	-0.0044334	0.63764359	0.99999994
Pgap2	0.11594919	0.09262174	0.09705587	-0.0044341	0.61947618	0.99999994
Tfip11	0.07118025	0.05703948	0.06147487	-0.0044354	0.68447673	0.99999994
Ddi2	0.07010257	0.05614954	0.06058651	-0.004437	0.68703697	0.99999994
Zfp719	0.05824214	0.04628703	0.05072679	-0.0044398	0.71991363	0.99999994
Uhrf1bp1	0.01997695	0.01340563	0.01784612	-0.0044405	0.95116358	0.99999994
Cog3	0.029663	0.02188355	0.02632783	-0.0044443	0.86941473	0.99999994
Chst11	0.01955264	0.01302671	0.01747204	-0.0044453	0.95482431	0.99999994
Gm11423	0.04286937	0.03327027	0.03771713	-0.0044469	0.78371073	0.99999994
Cask	0.04149002	0.03208937	0.03653688	-0.0044475	0.79110301	0.99999994
Ankle2	0.10227712	0.08210244	0.08655191	-0.0044495	0.63389632	0.99999994
1810030007	0.10861208	0.08699658	0.091448	-0.0044514	0.62703552	0.99999994
Supt20	0.22872809	0.17087054	0.17532197	-0.0044514	0.56710372	0.99999994
Ints2	0.06684047	0.05343718	0.05788986	-0.0044527	0.69566873	0.99999994
Cradd	0.07092531	0.05681186	0.06126483	-0.004453	0.68573982	0.99999994
Pdzd8	0.12701357	0.10093252	0.10538588	-0.0044534	0.61075313	0.99999994
Map4k3	0.04057335	0.03129719	0.03575132	-0.0044541	0.79653055	0.99999994
Usf3	0.04820118	0.03780453	0.04225918	-0.0044547	0.75855592	0.99999994
Ntmt1	0.3604496	0.24586415	0.25031981	-0.0044557	0.54715728	0.99999994
Nup188	0.03297849	0.02474883	0.02920596	-0.0044571	0.84514477	0.99999994
Cacnb3	0.07248498	0.05809062	0.06254875	-0.0044581	0.68240278	0.99999994

Nprl3	0.05260249	0.04152625	0.04598459	-0.0044583	0.74065086	0.99999994
Rtn2	0.09483966	0.07621024	0.08066973	-0.0044595	0.64355194	0.99999994
Them6	0.03685005	0.02809069	0.03255078	-0.0044601	0.8191291	0.99999994
Slc35d1	0.02841764	0.02078291	0.02524346	-0.0044605	0.88023959	0.99999994
Zc3h6	0.05758689	0.04571546	0.0501776	-0.0044621	0.72305112	0.99999994
Pcgf1	0.08798359	0.07070303	0.07516741	-0.0044644	0.6537032	0.99999994
Cdip1	0.18332433	0.14106224	0.14552797	-0.0044657	0.58092472	0.99999994
Ecd	0.15481295	0.1211945	0.12566334	-0.0044688	0.59356048	0.99999994
Tfdp2	0.13378875	0.1059417	0.11041296	-0.0044713	0.60624859	0.99999994
Zfp871	0.10129742	0.08131867	0.0857902	-0.0044715	0.63568184	0.99999994
Gtpbp8	0.09607936	0.07718453	0.0816595	-0.004475	0.64235886	0.99999994
Acaca	0.05172285	0.04076667	0.04524176	-0.0044751	0.74486348	0.99999994
Mpz	0.02335382	0.01633861	0.02081562	-0.004477	0.92387727	0.99999994
Eif5	1.21948403	0.42395338	0.42843219	-0.0044788	0.52773811	0.99999994
Acvr1	0.04982051	0.03915254	0.04363234	-0.0044798	0.75282868	0.99999994
Bspry	0.09670948	0.07768013	0.08216199	-0.0044819	0.64173431	0.99999994
Pik3ca	0.10886656	0.08716055	0.09164364	-0.0044831	0.6276441	0.99999994
Git1	0.05425025	0.04288802	0.04737376	-0.0044857	0.73574394	0.99999994
Lztr1	0.1320842	0.10466705	0.10915354	-0.0044865	0.60780152	0.99999994
C1galt1c1	0.329084	0.22939802	0.23388584	-0.0044878	0.55081579	0.99999994
Unc13a	0.11896008	0.09484874	0.0993375	-0.0044888	0.61820928	0.99999994
Zfp830	0.2589336	0.1894705	0.1939612	-0.0044907	0.56123931	0.99999994
Nfrkb	0.1045768	0.08384376	0.0883351	-0.0044913	0.63248338	0.99999994
Sec22c	0.03079636	0.02281807	0.02731312	-0.0044951	0.86334431	0.99999994
Zc3h14	0.40195189	0.26631954	0.27081772	-0.0044982	0.54401727	0.99999994
Cdk13	0.1014438	0.08140417	0.08590409	-0.0044999	0.6363352	0.99999994
Per1	0.04173946	0.03224235	0.03675047	-0.0045081	0.79289966	0.99999994
Naa60	0.08194943	0.06577609	0.07028448	-0.0045084	0.66529997	0.99999994
Klhdc4	0.09284568	0.07456533	0.07907444	-0.0045091	0.64786769	0.99999994
Dcbl2	0.03158387	0.02348499	0.02799685	-0.0045119	0.85829996	0.99999994

Heatr5b	0.04186002	0.03234054	0.03685369	-0.0045131	0.79250562	0.99999994
Btbd6	0.06502971	0.05187357	0.05638803	-0.0045145	0.70295271	0.99999994
Brpf1	0.06905975	0.05521071	0.0597257	-0.004515	0.69258475	0.99999994
Kdf1	0.27564491	0.19936976	0.20388787	-0.0045181	0.55863268	0.99999994
Cep83	0.14835883	0.11651847	0.12103729	-0.0045188	0.59812992	0.99999994
Ccdc149	0.02307712	0.0160535	0.02057279	-0.0045193	0.9281602	0.99999994
Tmem68	0.10926092	0.08742604	0.09194663	-0.0045206	0.62826538	0.99999994
Ubxn2a	0.22769971	0.17014642	0.1746712	-0.0045248	0.56845017	0.99999994
Med12l	0.02397241	0.01683298	0.02135812	-0.0045251	0.92077145	0.99999994
B3gnt9	0.01317522	0.00729727	0.01182388	-0.0045266	0.99458745	0.99999994
Ikzf4	0.04955554	0.03887962	0.04340786	-0.0045282	0.75627788	0.99999994
Mt3	0.04324665	0.03351107	0.03803958	-0.0045285	0.78594275	0.99999994
Fam184a	0.02103452	0.01424803	0.01877756	-0.0045295	0.94582444	0.99999994
Plagl1	0.04825209	0.03777087	0.0423024	-0.0045315	0.76209076	0.99999994
Neil2	0.03365536	0.0252583	0.02979198	-0.0045337	0.844458	0.99999994
Trpm7	0.10231583	0.08204636	0.08658197	-0.0045356	0.63634068	0.99999994
Nol4l	0.08722035	0.0700157	0.07455187	-0.0045362	0.65726564	0.99999994
Ctif	0.03802253	0.02902325	0.03356034	-0.0045371	0.81590956	0.99999994
Scamp1	0.14922134	0.11710957	0.1216583	-0.0045487	0.59827209	0.99999994
Dlg5	0.05480889	0.04329332	0.04784405	-0.0045507	0.73667438	0.99999994
Cda	0.12331546	0.0980662	0.10261832	-0.0045521	0.61610768	0.99999994
Edrf1	0.05339119	0.04209719	0.04664989	-0.0045527	0.74202885	0.99999994
Mfn2	0.05272332	0.04153136	0.04608655	-0.0045552	0.74470353	0.99999994
Bud13	0.06349849	0.05055453	0.05511528	-0.0045607	0.7091176	0.99999994
Ppwd1	0.08839954	0.07093938	0.07550261	-0.0045632	0.65626728	0.99999994
Slc39a3	0.06488524	0.05170361	0.05626805	-0.0045644	0.70538797	0.99999994
Mrps25	0.1921279	0.14691028	0.15147822	-0.0045679	0.57954428	0.99999994
Slc35g1	0.02919015	0.02134833	0.02591631	-0.004568	0.87965108	0.99999994
Rpl13	3.30248278	0.27714609	0.28171771	-0.0045716	0.54300895	0.99999994
Surf6	0.07100782	0.0567604	0.06133282	-0.0045724	0.69013663	0.99999994

Slc52a2	0.09244718	0.07417632	0.07875514	-0.0045788	0.65062198	0.99999994
Npat	0.08956878	0.07186503	0.0764439	-0.0045789	0.65494504	0.99999994
Sall1	0.02769095	0.02002953	0.02460988	-0.0045803	0.89230316	0.99999994
Dram2	0.21900455	0.1645437	0.16912498	-0.0045813	0.5715447	0.99999994
Atg16l1	0.07210322	0.05765218	0.06223472	-0.0045825	0.6879786	0.99999994
Nlgn2	0.04614933	0.03593	0.04051503	-0.004585	0.7743627	0.99999994
Tom1l1	0.13212738	0.10459943	0.10918548	-0.0045861	0.61010125	0.99999994
2410022M11	0.04869078	0.03808708	0.04267466	-0.0045876	0.76287051	0.99999994
Tdrkh	0.20249464	0.15378766	0.15837602	-0.0045884	0.57645911	0.99999994
Phf10	0.07166077	0.05728208	0.06187059	-0.0045885	0.68922514	0.99999994
Rpl29	0.16158842	0.12587659	0.13046813	-0.0045915	0.5926069	0.99999994
Slc2a6	0.01354923	0.00756488	0.01215646	-0.0045916	0.99403408	0.99999994
Gpr27	0.03222359	0.02395573	0.02855176	-0.004596	0.85802442	0.99999994
Ccdc59	0.60853834	0.34995136	0.35454799	-0.0045966	0.53438525	0.99999994
Parp2	0.18773373	0.14392004	0.14851878	-0.0045987	0.58164652	0.99999994
Mrps10	0.50353798	0.31092157	0.31552288	-0.0046013	0.53866487	0.99999994
Plekhg1	0.0282687	0.0205073	0.02511366	-0.0046064	0.88893999	0.99999994
C1qbp	0.43765308	0.28277128	0.28737856	-0.0046073	0.5424926	0.99999994
Cdk7	0.16943361	0.13135571	0.13596503	-0.0046093	0.58926545	0.99999994
Sav1	0.03435176	0.0257843	0.03039436	-0.0046101	0.84365703	0.99999994
Wdr41	0.08190907	0.06564114	0.07025169	-0.0046106	0.66889021	0.99999994
Prkx	0.06246344	0.04964156	0.0542535	-0.0046119	0.71424819	0.99999994
Ltbp3	0.04570786	0.03552665	0.04013915	-0.0046125	0.77783484	0.99999994
Dmwd	0.07301969	0.05837157	0.06298832	-0.0046167	0.68718252	0.99999994
Nap1l1	0.95324662	0.4185132	0.42313324	-0.00462	0.52896901	0.99999994
Gucd1	0.07041941	0.0562254	0.06084782	-0.0046224	0.69345345	0.99999994
Rif1	0.18344834	0.14098774	0.14561237	-0.0046246	0.58371449	0.99999994
Fancl	0.10618352	0.08495236	0.08957701	-0.0046246	0.63444581	0.99999994
Slc25a29	0.05253235	0.04129751	0.04592539	-0.0046279	0.74881265	0.99999994
Pcid2	0.09176484	0.07357668	0.07820802	-0.0046313	0.65327497	0.99999994

Tm9sf3	0.73807879	0.3863441	0.39097836	-0.0046343	0.531443	0.99999994
Ccser1	0.01754504	0.01106348	0.01569924	-0.0046358	0.97532338	0.99999994
Commd9	0.48055333	0.30140699	0.3060457	-0.0046387	0.54018104	0.99999994
Ror2	0.07103668	0.05671021	0.0613566	-0.0046464	0.69289387	0.99999994
Slc4a8	0.05839025	0.04620419	0.05085086	-0.0046467	0.72848823	0.99999994
Srsf5	0.92565308	0.41606372	0.42071209	-0.0046484	0.52931374	0.99999994
Mrpl9	0.21379701	0.16111639	0.16576549	-0.0046491	0.57404661	0.99999994
Cxxc4	0.32608105	0.22761581	0.23226787	-0.0046521	0.55302961	0.99999994
Plaa	0.24070129	0.17816769	0.18281998	-0.0046523	0.56725385	0.99999994
Mtss1	0.32493076	0.22699199	0.23164606	-0.0046541	0.55319389	0.99999994
Itgb1bp1	0.27630437	0.199619	0.2042741	-0.0046551	0.56028375	0.99999994
Myo1c	0.01893761	0.01227415	0.01692945	-0.0046553	0.96640341	0.99999994
Mtf1	0.12938466	0.10249607	0.10715163	-0.0046556	0.61378892	0.99999994
Fnip2	0.05085277	0.03984976	0.04450615	-0.0046564	0.75691416	0.99999994
Pex12	0.0837761	0.06710794	0.07176665	-0.0046587	0.66716395	0.99999994
Usb1	0.13228373	0.10464155	0.10930114	-0.0046596	0.61170494	0.99999994
Abcb7	0.03733117	0.02830564	0.03296524	-0.0046596	0.82661392	0.99999994
Gm7467	0.03183221	0.02355168	0.02821233	-0.0046606	0.86425184	0.99999994
Ddx10	0.11403605	0.09093776	0.09560013	-0.0046624	0.62726837	0.99999994
Ldah	0.15141511	0.11856849	0.12323392	-0.0046654	0.59947899	0.99999994
lppk	0.05930492	0.04694911	0.05161653	-0.0046674	0.72637985	0.99999994
Slc40a1	0.05808534	0.04592571	0.05059541	-0.0046697	0.73050734	0.99999994
Fhod3	0.03264763	0.02424659	0.02891931	-0.0046727	0.85892904	0.99999994
Fbxl3	0.07531814	0.06019976	0.06487436	-0.0046746	0.68425532	0.99999994
Samd10	0.20838197	0.15756746	0.16224233	-0.0046749	0.57604957	0.99999994
Dgkg	0.01525065	0.00899218	0.01366731	-0.0046751	0.98860436	0.99999994
Mrps27	0.11289085	0.09004695	0.09472651	-0.0046796	0.62885736	0.99999994
Mxra8	0.04173555	0.03206742	0.03674713	-0.0046797	0.80169193	0.99999994
Dus3l	0.13545081	0.10695757	0.11163765	-0.0046801	0.60989613	0.99999994
Myadm	0.0585754	0.04632477	0.05100593	-0.0046812	0.72936644	0.99999994

Rnf41	0.15520694	0.12126251	0.12594418	-0.0046817	0.59771386	0.99999994
Cdon	0.03675162	0.02778205	0.03246595	-0.0046839	0.83155325	0.99999994
Rmnd1	0.05925908	0.04689191	0.05157818	-0.0046863	0.72733763	0.99999994
Nynrin	0.03897532	0.0296932	0.0343796	-0.0046864	0.81788892	0.99999994
Pcif1	0.43761046	0.28267267	0.28735935	-0.0046867	0.54322492	0.99999994
Fbxl18	0.06109933	0.04842708	0.05311597	-0.0046889	0.72159979	0.99999994
Dock8	0.02615576	0.01857919	0.02326936	-0.0046902	0.91014591	0.99999994
Tmem80	0.19791757	0.15065276	0.15534467	-0.0046919	0.57966759	0.99999994
Zbtb8a	0.05504849	0.04335364	0.04804566	-0.004692	0.74216779	0.99999994
Trmt61a	0.03467403	0.02597935	0.03067293	-0.0046936	0.84579323	0.99999994
Plekhh2	0.09674569	0.07749666	0.08219086	-0.0046942	0.64808939	0.99999994
Lrrc45	0.08691743	0.06961256	0.07430741	-0.0046949	0.66296137	0.99999994
Trim46	0.03448542	0.0258126	0.03050992	-0.0046973	0.84727484	0.99999994
Ercc6l2	0.04943168	0.03860258	0.04330289	-0.0047003	0.76501073	0.99999994
Plekha5	0.13279009	0.10497463	0.10967551	-0.0047009	0.61229395	0.99999994
Cnep1r1	0.20105858	0.15272604	0.15742732	-0.0047013	0.57878258	0.99999994
Cdk8	0.22852411	0.17048993	0.17519297	-0.004703	0.57090925	0.99999994
Xpr1	0.10920627	0.08719891	0.09190465	-0.0047057	0.63338108	0.99999994
Ikbkg	0.05608173	0.04420712	0.04891431	-0.0047072	0.73909727	0.99999994
Tti1	0.03296622	0.02448742	0.02919533	-0.0047079	0.85844854	0.99999994
Zfp738	0.04719723	0.03669692	0.04140638	-0.0047095	0.77549842	0.99999994
Mllt3	0.07583203	0.06058322	0.06529527	-0.0047121	0.68451362	0.99999994
Pxk	0.07807426	0.06241377	0.06712856	-0.0047148	0.67993298	0.99999994
Pptc7	0.04913067	0.03833157	0.04304772	-0.0047162	0.76707467	0.99999994
Dcxr	0.05477726	0.04310058	0.04781743	-0.0047169	0.74428205	0.99999994
Elf1	0.1930834	0.14740053	0.1521188	-0.0047183	0.58178436	0.99999994
Rnf4	0.28536464	0.20482024	0.20953933	-0.0047191	0.55958203	0.99999994
Gm15545	0.04127577	0.03163421	0.03635335	-0.0047191	0.80622905	0.99999994
Apmap	0.18628405	0.14281783	0.14753782	-0.00472	0.58431648	0.99999994
Zfp280b	0.04058789	0.03104174	0.03576379	-0.0047221	0.81026393	0.99999994

Inpp5f	0.06403748	0.05083944	0.05556357	-0.0047241	0.71428201	0.99999994
Arel1	0.03316696	0.02464288	0.02936918	-0.0047263	0.8579582	0.99999994
Myo5a	0.02210817	0.01499098	0.0197218	-0.0047308	0.94483508	0.99999994
Aldh3a2	0.05431402	0.04269409	0.04742747	-0.0047334	0.74675776	0.99999994
Uap1l1	0.03783438	0.02866419	0.03339844	-0.0047343	0.82729849	0.99999994
Flcn	0.06130048	0.04854876	0.05328384	-0.0047351	0.72291356	0.99999994
Abcf3	0.2640915	0.19231865	0.19705385	-0.0047352	0.56354053	0.99999994
Mri1	0.09009161	0.07212892	0.07686434	-0.0047354	0.6591271	0.99999994
Ssh2	0.07241279	0.05775387	0.06248937	-0.0047355	0.69301876	0.99999994
Ftx	0.02090468	0.01392662	0.01866327	-0.0047366	0.95442383	0.99999994
Asb7	0.09768443	0.07820073	0.08293866	-0.0047379	0.64811977	0.99999994
Sppl2b	0.07418509	0.05920737	0.06394531	-0.0047379	0.68906216	0.99999994
Kiz	0.17693452	0.13641765	0.14115612	-0.0047385	0.58840631	0.99999994
Nsun6	0.03827812	0.02903939	0.03378021	-0.0047408	0.82489309	0.99999994
Acad11	0.04849895	0.03776592	0.0425119	-0.004746	0.77129212	0.99999994
Elac2	0.07890019	0.06305337	0.06780252	-0.0047492	0.67947719	0.99999994
6030458C11f	0.03972262	0.03027172	0.03502143	-0.0047497	0.81667227	0.99999994
Nub1	0.18610762	0.14266776	0.14741829	-0.0047505	0.58492137	0.99999994
Fam234b	0.04857478	0.03782525	0.04257624	-0.004751	0.77118941	0.99999994
Al480526	0.05314643	0.04169018	0.04644349	-0.0047533	0.75214406	0.99999994
Gtf3c4	0.08986034	0.07192332	0.0766784	-0.0047551	0.66011714	0.99999994
Med11	0.09826638	0.07864351	0.0834018	-0.0047583	0.64793903	0.99999994
Ncbp3	0.18025594	0.1386727	0.14343421	-0.0047615	0.58744121	0.99999994
Fbxw7	0.09287146	0.07433238	0.07909509	-0.0047627	0.65572097	0.99999994
Dgke	0.03205501	0.02364284	0.02840558	-0.0047627	0.86780285	0.99999994
Cerkl	0.06341826	0.05028531	0.05504852	-0.0047632	0.71767825	0.99999994
Ctdsp1	0.11305797	0.09008885	0.0948541	-0.0047652	0.63096087	0.99999994
Tmem135	0.08271581	0.06613749	0.07090675	-0.0047693	0.67282001	0.99999994
Tmtc3	0.06573014	0.0521993	0.05696938	-0.0047701	0.71135252	0.99999994
lpo8	0.09829429	0.07865269	0.083424	-0.0047713	0.64828736	0.99999994

Myc	0.02301702	0.01574844	0.02052005	-0.0047716	0.93916824	0.99999994
Cox10	0.08586095	0.06868091	0.07345406	-0.0047732	0.66732545	0.99999994
Usp32	0.04798276	0.03729763	0.04207374	-0.0047761	0.77505968	0.99999994
Nup153	0.07159959	0.05704361	0.06182021	-0.0047766	0.69648253	0.99999994
Gm17767	0.0115503	0.00559802	0.01037699	-0.004779	0.99891342	0.99999994
Impa1	0.37754384	0.25415051	0.25893023	-0.0047797	0.54889616	0.99999994
Rnf182	0.01438283	0.00811655	0.01289712	-0.0047806	0.99319338	0.99999994
Mef2d	0.07324903	0.058396	0.06317676	-0.0047808	0.69276555	0.99999994
1700113A16	0.05520648	0.0433972	0.04817855	-0.0047814	0.74556336	0.99999994
Det1	0.0471156	0.03655175	0.04133699	-0.0047852	0.77951356	0.99999994
Pus7	0.06508798	0.05165037	0.05643641	-0.004786	0.71378854	0.99999994
Fbxo6	0.15502681	0.12102674	0.1258158	-0.0047891	0.60000823	0.99999994
Mto1	0.07829657	0.06251802	0.06731004	-0.004792	0.6822099	0.99999994
Fbxo17	0.04982421	0.03884104	0.04363548	-0.0047944	0.76772207	0.99999994
Fktn	0.08195913	0.06549782	0.07029236	-0.0047945	0.6750929	0.99999994
Mat1a	0.01327292	0.00711294	0.01191077	-0.0047978	0.99633292	0.99999994
Ext1	0.02110303	0.01403991	0.01883785	-0.0047979	0.95499582	0.99999994
Mcph1	0.04385246	0.03375888	0.03855701	-0.0047981	0.79625935	0.99999994
C730034F03I	0.03836223	0.02905146	0.03385255	-0.0048011	0.82742242	0.99999994
Arl5a	0.09285408	0.07427997	0.07908118	-0.0048012	0.65693914	0.99999994
Fam219b	0.05953157	0.04700443	0.05180612	-0.0048017	0.73136611	0.99999994
Lnx1	0.03661198	0.02754313	0.03234559	-0.0048025	0.83849527	0.99999994
Zfp395	0.08044777	0.06425465	0.06906341	-0.0048088	0.6784861	0.99999994
Slc36a4	0.05060175	0.0394843	0.04429377	-0.0048095	0.76508493	0.99999994
Slc4a1ap	0.13494215	0.10645354	0.11126319	-0.0048097	0.61322688	0.99999994
Gfm2	0.09256428	0.07403764	0.07884898	-0.0048113	0.65769073	0.99999994
Tgfbrap1	0.03048958	0.0222336	0.02704656	-0.004813	0.88189338	0.99999994
Cep44	0.11354563	0.09041238	0.09522621	-0.0048138	0.63174882	0.99999994
Crtc3	0.11791549	0.09373017	0.09854719	-0.004817	0.62754766	0.99999994
Snx13	0.05322401	0.0416883	0.04650892	-0.0048206	0.75488026	0.99999994

Tspan9	0.06064433	0.04791499	0.0527361	-0.0048211	0.72857927	0.99999994
Spink10	0.01710704	0.01049057	0.01531182	-0.0048212	0.98195421	0.99999994
Faap100	0.10964576	0.08742022	0.09224213	-0.0048219	0.63606392	0.99999994
Ttyh3	0.11917328	0.0946767	0.09949865	-0.0048219	0.62649465	0.99999994
Mxra7	0.05351746	0.04193371	0.04675634	-0.0048226	0.75382101	0.99999994
Mapkapk2	0.07369564	0.05872037	0.06354357	-0.0048232	0.69330596	0.99999994
Ankrd46	0.12547286	0.09941075	0.10423487	-0.0048241	0.62098325	0.99999994
Bbs9	0.0385771	0.02921312	0.03403732	-0.0048242	0.82726744	0.99999994
Dyrk1a	0.07446351	0.05934788	0.06417373	-0.0048259	0.69165851	0.99999994
Rab5b	0.13549306	0.10684271	0.11166873	-0.004826	0.61320021	0.99999994
Pa2g4	0.62370085	0.35480505	0.35963353	-0.0048285	0.53560563	0.99999994
Clk4	0.26705749	0.19399117	0.19882077	-0.0048296	0.56422547	0.99999994
Uba3	0.32201404	0.22523385	0.23006428	-0.0048304	0.55557398	0.99999994
Sema4d	0.03348265	0.02481112	0.0296425	-0.0048314	0.86101895	0.99999994
St8sia5	0.01762438	0.01093597	0.01576939	-0.0048334	0.97933554	0.99999994
Cwc27	0.14595512	0.11446787	0.11930205	-0.0048342	0.60631186	0.99999994
Rapgef1	0.04760853	0.0369148	0.04175589	-0.0048411	0.77986121	0.99999994
Itpr3	0.1797959	0.13827714	0.1431194	-0.0048423	0.58909179	0.99999994
Gphn	0.09417477	0.07529593	0.08013823	-0.0048423	0.65623378	0.99999994
Atat1	0.30099503	0.21359955	0.21844234	-0.0048428	0.55865856	0.99999994
Rae1	0.334478	0.23192752	0.23677149	-0.004844	0.55415997	0.99999994
Nkap	0.18423465	0.14130148	0.14614716	-0.0048457	0.58733665	0.99999994
Ppil3	0.140659	0.11060785	0.11545404	-0.0048462	0.61003147	0.99999994
Mib2	0.04571679	0.03530023	0.04014676	-0.0048465	0.78917379	0.99999994
Clasp1	0.11309545	0.09003534	0.09488271	-0.0048474	0.63309439	0.99999994
Kpna6	0.04728416	0.03663006	0.04148026	-0.0048502	0.78180809	0.99999994
Git2	0.13032429	0.10299141	0.10784951	-0.0048581	0.6178493	0.99999994
Zfp654	0.03902632	0.02956494	0.03442342	-0.0048585	0.82625509	0.99999994
Ppip5k1	0.03517322	0.02624136	0.0311042	-0.0048628	0.85098227	0.99999994
Slc15a4	0.06366743	0.05039277	0.05525582	-0.004863	0.72100318	0.99999994

Ccser2	0.10496507	0.08376925	0.08863551	-0.0048663	0.64261091	0.99999994
Trnt1	0.19764302	0.15028992	0.15516213	-0.0048722	0.58278159	0.99999994
Morn2	0.28144347	0.20239744	0.20727016	-0.0048727	0.5621745	0.99999994
Pigb	0.03438266	0.02554792	0.03042107	-0.0048732	0.85685194	0.99999994
Pdss2	0.07247852	0.05766713	0.06254343	-0.0048763	0.69811045	0.99999994
Rnf113a1	0.02993177	0.02168181	0.02656162	-0.0048798	0.88931322	0.99999994
lpp	0.08322889	0.06644253	0.07132301	-0.0048805	0.67561803	0.99999994
Atrnl1	0.02676563	0.01892154	0.02380222	-0.0048807	0.91385722	0.99999994
P4ha2	0.05164538	0.04029543	0.04517629	-0.0048809	0.76397736	0.99999994
Rev3l	0.22290059	0.16673805	0.17162005	-0.004882	0.57509094	0.99999994
Prkab1	0.16317177	0.12669943	0.13158314	-0.0048837	0.59756557	0.99999994
Rpl36-ps3	0.14837042	0.11616166	0.12104565	-0.004884	0.60587086	0.99999994
Mterf3	0.20156455	0.15287697	0.15776182	-0.0048849	0.58164512	0.99999994
Fads6	0.03056818	0.0222288	0.02711486	-0.0048861	0.88482671	0.99999994
Zfp62	0.11725652	0.09316073	0.09804793	-0.0048872	0.62997479	0.99999994
Naa30	0.0711382	0.05655043	0.06144024	-0.0048898	0.70185935	0.99999994
Dennd5a	0.06412052	0.05074136	0.05563262	-0.0048913	0.72080393	0.99999994
Faah	0.17764651	0.13675332	0.14164549	-0.0048922	0.59091458	0.99999994
Med9os	0.03387576	0.02508948	0.02998269	-0.0048932	0.86133246	0.99999994
Crybg3	0.03058939	0.02223969	0.0271333	-0.0048936	0.88502812	0.99999994
Ilf3	0.2141835	0.16111179	0.16601579	-0.004904	0.57793923	0.99999994
Hnrnp2	0.42843157	0.27828682	0.28319226	-0.0049054	0.54589668	0.99999994
Zmat3	0.08062145	0.06429734	0.06920476	-0.0049074	0.6815411	0.99999994
Ap2m1	1.34098261	0.41771466	0.42262374	-0.0049091	0.53081487	0.99999994
Pyurf	0.30803901	0.21746704	0.22238113	-0.0049141	0.55846936	0.99999994
Specc1	0.03059002	0.02221961	0.02713384	-0.0049142	0.88600216	0.99999994
Terf2ip	0.18385507	0.1409748	0.14588908	-0.0049143	0.58870689	0.99999994
Plekha1	0.08688214	0.06936116	0.07427892	-0.0049178	0.67028331	0.99999994
Tmem70	0.36743146	0.24894717	0.25386499	-0.0049178	0.55129958	0.99999994
Fbxl5	0.11716525	0.09305851	0.09797874	-0.0049202	0.63091018	0.99999994

Etv3	0.05747969	0.04516546	0.05008772	-0.0049223	0.74348865	0.99999994
Zfp932	0.05110879	0.03979783	0.04472269	-0.0049249	0.76822029	0.99999994
Rps27a	3.25597984	0.28459871	0.28952437	-0.0049257	0.5450815	0.99999994
Rfx3	0.19297364	0.14711892	0.15204527	-0.0049263	0.58537733	0.99999994
Ubl4a	0.40931168	0.26938438	0.27431096	-0.0049266	0.5475791	0.99999994
Kcnb1	0.02239614	0.01504407	0.01997483	-0.0049308	0.94982041	0.99999994
Fn1	0.0629458	0.04972289	0.05465526	-0.0049324	0.72598121	0.99999994
Cerk	0.02338932	0.01591262	0.02084676	-0.0049341	0.94242578	0.99999994
Tspan5	0.16276159	0.12635839	0.13129456	-0.0049362	0.59880445	0.99999994
Pcna	0.07168669	0.05695221	0.06189192	-0.0049397	0.70237949	0.99999994
Slc35e4	0.02046987	0.01333849	0.01828042	-0.0049419	0.96402846	0.99999994
Zswim1	0.06071948	0.04785443	0.05279886	-0.0049444	0.73347078	0.99999994
Cherp	0.09120595	0.07281497	0.07775953	-0.0049446	0.66394843	0.99999994
Eps15	0.0771122	0.06140561	0.06635062	-0.004945	0.69008396	0.99999994
Slc44a1	0.06464868	0.05112469	0.05607156	-0.0049469	0.72148257	0.99999994
Cpsf7	0.09629666	0.07688024	0.08183284	-0.0049526	0.65647036	0.99999994
Tmem231	0.04455441	0.03420229	0.03915603	-0.0049537	0.80013848	0.99999994
Trp53bp2	0.09545496	0.07620699	0.08116118	-0.0049542	0.65774385	0.99999994
Rrnad1	0.13047793	0.10300757	0.10796352	-0.0049559	0.62002743	0.99999994
Dolk	0.1158795	0.09204438	0.09700293	-0.0049585	0.63316826	0.99999994
Mrps11	0.58570578	0.34166989	0.34662937	-0.0049595	0.5379368	0.99999994
Zfp954	0.07957286	0.0633899	0.06835088	-0.004961	0.68549665	0.99999994
Fam229b	0.08196252	0.06533212	0.07029512	-0.004963	0.68080607	0.99999994
Dcun1d3	0.06870939	0.054467	0.05943623	-0.0049692	0.71106945	0.99999994
Dcaf13	0.18208791	0.13971584	0.14468552	-0.0049697	0.59042307	0.99999994
Nphp1	0.12904574	0.10192829	0.10689965	-0.0049714	0.62154987	0.99999994
Snupn	0.08452724	0.06740065	0.07237512	-0.0049745	0.67634545	0.99999994
1700029J07F	0.03428826	0.02536437	0.03033946	-0.0049751	0.86247675	0.99999994
Ppp2r1b	0.08756619	0.06985126	0.07483086	-0.0049796	0.67109734	0.99999994
Lpin1	0.05303785	0.04137224	0.04635191	-0.0049797	0.76272804	0.99999994

Usp53	0.08937646	0.07130786	0.07628917	-0.0049813	0.66808381	0.99999994
Cela2a	0.1063786	0.08474202	0.08972758	-0.0049856	0.64425261	0.99999994
Ube2q2	0.10616674	0.08457669	0.08956405	-0.0049874	0.64455392	0.99999994
1110006O24	0.05487529	0.0429112	0.04789993	-0.0049887	0.75592444	0.99999994
Sh2b1	0.12045832	0.09547846	0.10046872	-0.0049903	0.62953402	0.99999994
Ttc7b	0.04385842	0.03357121	0.0385621	-0.0049909	0.80551783	0.99999994
Rrp1b	0.08580679	0.06841014	0.07341028	-0.0050001	0.67486236	0.99999994
Ptrhd1	0.22146847	0.16570037	0.17070478	-0.0050044	0.57735798	0.99999994
Kansl2	0.28611738	0.20496754	0.2099732	-0.0050057	0.56304121	0.99999994
Utp14a	0.09660504	0.07707095	0.08207873	-0.0050078	0.65767158	0.99999994
Uqcc1	0.13089039	0.10326158	0.1082694	-0.0050078	0.62091265	0.99999994
Nek9	0.07132032	0.05657798	0.06159025	-0.0050123	0.70598745	0.99999994
Fam98a	0.1641975	0.12729082	0.13230395	-0.0050131	0.59956301	0.99999994
Gcat	0.26044168	0.18985349	0.19486807	-0.0050146	0.56800187	0.99999994
Acly	0.9345079	0.41653779	0.42155265	-0.0050149	0.53155729	0.99999994
Fam117b	0.08024885	0.06388519	0.06890148	-0.0050163	0.6860228	0.99999994
Apba3	0.0831338	0.06622873	0.07124588	-0.0050172	0.68037302	0.99999994
Srsf1	0.60551597	0.34849949	0.35351699	-0.0050175	0.53763383	0.99999994
Efhc1	0.02984869	0.02147141	0.02648936	-0.0050179	0.89633312	0.99999994
Cpsf1	0.05858509	0.04599553	0.05101403	-0.0050185	0.74370778	0.99999994
Ctps	0.12947351	0.10219623	0.10721767	-0.0050214	0.62238257	0.99999994
Rreb1	0.05020674	0.03893758	0.04395943	-0.0050218	0.77649517	0.99999994
Zfhx3	0.1871384	0.14309083	0.14811622	-0.0050254	0.58933765	0.99999994
Pskh1	0.08416678	0.06705758	0.0720832	-0.0050256	0.67870462	0.99999994
Tango2	0.09515674	0.07589705	0.08092303	-0.005026	0.66034859	0.99999994
Man1a	0.02339362	0.0158221	0.02085053	-0.0050284	0.94578456	0.99999994
Sgf29	0.11714133	0.09293088	0.0979606	-0.0050297	0.63373675	0.99999994
Bap1	0.08897251	0.07093123	0.07596406	-0.0050328	0.67039421	0.99999994
Acbd5	0.23078467	0.17158571	0.17662021	-0.0050345	0.57524237	0.99999994
Tubgcp5	0.08116729	0.06461389	0.06964878	-0.0050349	0.68480784	0.99999994

Slc17a9	0.01773257	0.0108245	0.01586504	-0.0050405	0.98277725	0.99999994
Dnajb2	0.30610235	0.21626139	0.2213026	-0.0050412	0.56026065	0.99999994
Cabp7	0.02097293	0.01368172	0.01872334	-0.0050416	0.96346172	0.99999994
Scpep1	0.54853969	0.32803458	0.33307791	-0.0050433	0.54014056	0.99999994
Cpox	0.22875664	0.17029153	0.17534002	-0.0050485	0.57599326	0.99999994
Fam216a	0.59473833	0.34475023	0.34979936	-0.0050491	0.53827154	0.99999994
Uhmk1	0.06588896	0.05205155	0.05710113	-0.0050496	0.72194764	0.99999994
Arhgef10	0.0241609	0.01647268	0.02152334	-0.0050507	0.94085361	0.99999994
Tmem62	0.0557521	0.04358608	0.04863732	-0.0050512	0.7553104	0.99999994
Zbtb7c	0.0503892	0.03906184	0.04411388	-0.005052	0.77706057	0.99999994
Fbrs	0.06394433	0.05043306	0.05548613	-0.0050531	0.72780488	0.99999994
Ezh1	0.0637548	0.0502752	0.0553285	-0.0050533	0.72838727	0.99999994
Syn1	0.03124923	0.02265166	0.0277064	-0.0050547	0.88769924	0.99999994
Mcl1	0.20285079	0.15355487	0.15861096	-0.0050561	0.58401938	0.99999994
Parp10	0.03422547	0.02522776	0.03028516	-0.0050574	0.86683709	0.99999994
Arhgap39	0.06348407	0.05004433	0.05510328	-0.005059	0.72943679	0.99999994
Rnaset2b	0.1506886	0.11765307	0.12271274	-0.0050597	0.60813216	0.99999994
Sema3c	0.04550249	0.03490022	0.03996422	-0.005064	0.80051153	0.99999994
Lmtk2	0.02997387	0.02153407	0.02659823	-0.0050642	0.89748205	0.99999994
Snx1	0.26796449	0.19429365	0.19935944	-0.0050658	0.5671568	0.99999994
Plxnb1	0.07039382	0.05576022	0.06082672	-0.0050665	0.71035945	0.99999994
Gpr119	0.07982156	0.0634851	0.06855351	-0.0050684	0.68868564	0.99999994
1700123O20	0.43709011	0.28205458	0.28712474	-0.0050702	0.54678411	0.99999994
Frmd4b	0.05816757	0.04559265	0.05066431	-0.0050717	0.74739753	0.99999994
Mmaa	0.08784385	0.06997951	0.07505475	-0.0050752	0.67368337	0.99999994
Kcnma1	0.08702048	0.06931452	0.07439059	-0.0050761	0.67515715	0.99999994
Ercc3	0.05854465	0.04590198	0.05098017	-0.0050782	0.74634987	0.99999994
Asb6	0.08883115	0.07077189	0.07585024	-0.0050784	0.67207816	0.99999994
C030014I23R	0.03543796	0.02625402	0.0313328	-0.0050788	0.85969278	0.99999994
Zgpat	0.12334164	0.09755746	0.10263796	-0.0050805	0.62910529	0.99999994

Ccdc184	0.06596748	0.05208375	0.05716625	-0.0050825	0.72300757	0.99999994
Rnf40	0.06573344	0.05188419	0.05697212	-0.0050879	0.7238944	0.99999994
Ncoa5	0.10175051	0.08105437	0.08614262	-0.0050883	0.65290527	0.99999994
Naa25	0.0877877	0.06991967	0.07500948	-0.0050898	0.67424709	0.99999994
Cdkl2	0.07713827	0.06127392	0.06636393	-0.00509	0.6951608	0.99999994
Gpatch8	0.28391218	0.20361013	0.20870068	-0.0050906	0.56448859	0.99999994
Fbxo33	0.06994891	0.05536792	0.06045975	-0.0050918	0.71246095	0.99999994
Usp12	0.0754342	0.05987438	0.06496945	-0.0050951	0.69916776	0.99999994
Cwf19l2	0.10112353	0.08055818	0.08565488	-0.0050967	0.65397375	0.99999994
Tnrc18	0.08781227	0.06993052	0.0750293	-0.0050988	0.67449075	0.99999994
Fbxo4	0.05065761	0.03923624	0.04434104	-0.0051048	0.77825666	0.99999994
Parp1	0.28530649	0.20439643	0.2095058	-0.0051094	0.56447826	0.99999994
Rnf135	0.08364439	0.06654612	0.0716599	-0.0051138	0.68261008	0.99999994
Spata7	0.08881278	0.07072102	0.07583545	-0.0051144	0.67325238	0.99999994
Gm20342	0.0573846	0.0448925	0.05000797	-0.0051155	0.75203254	0.99999994
Lin7c	0.30055496	0.21307902	0.21819481	-0.0051158	0.56200894	0.99999994
Tmed5	0.19078531	0.14545669	0.15057626	-0.0051196	0.58952184	0.99999994
Chtf8	0.21232955	0.15969411	0.16481375	-0.0051196	0.58190428	0.99999994
Wipf2	0.05443611	0.04241029	0.04753027	-0.00512	0.76332076	0.99999994
Map4	0.07361159	0.05835332	0.06347455	-0.0051212	0.70438206	0.99999994
Gpc4	0.20980896	0.15805039	0.16317373	-0.0051233	0.58277461	0.99999994
Map3k5	0.02365497	0.0159531	0.02107978	-0.0051267	0.94726045	0.99999994
Vps37c	0.03315967	0.02422711	0.02936287	-0.0051358	0.87783692	0.99999994
Heg1	0.02594856	0.01795044	0.02308822	-0.0051378	0.93072693	0.99999994
Gm9828	0.02274678	0.01514369	0.0202828	-0.0051391	0.95415417	0.99999994
Nup43	0.14125402	0.11074839	0.115888	-0.0051396	0.61608264	0.99999994
Cmc1	0.25483037	0.18634111	0.19148272	-0.0051416	0.57092655	0.99999994
Inha	0.03841862	0.02875854	0.03390104	-0.0051425	0.84368363	0.99999994
Elmod3	0.05457956	0.04250488	0.04765103	-0.0051462	0.76388776	0.99999994
Trmt1	0.11853431	0.09386862	0.09901554	-0.0051469	0.63533005	0.99999994

Zbtb4	0.04669108	0.0358248	0.040976	-0.0051512	0.79864393	0.99999994
Slc26a2	0.02768055	0.01944867	0.0246008	-0.0051521	0.91834712	0.99999994
Pkig	0.58176751	0.34007518	0.34523276	-0.0051576	0.53960639	0.99999994
Aurkaip1	0.45758373	0.29105544	0.29621325	-0.0051578	0.54613558	0.99999994
Tigd2	0.12783488	0.10084039	0.10599828	-0.0051579	0.6269928	0.99999994
Megf8	0.03391067	0.02485235	0.03001289	-0.0051605	0.87379611	0.99999994
Rbbp6	0.57206882	0.33659257	0.34175319	-0.0051606	0.54003181	0.99999994
Rabepk	0.13711924	0.10770087	0.11286372	-0.0051629	0.6196224	0.99999994
Dcun1d2	0.04407011	0.03357985	0.0387428	-0.005163	0.81247168	0.99999994
Phkb	0.06874176	0.05429236	0.05946297	-0.0051706	0.71863929	0.99999994
Yae1d1	0.23730014	0.1755341	0.18070512	-0.005171	0.57553235	0.99999994
Smc4	0.13255166	0.10432698	0.10949927	-0.0051723	0.6233984	0.99999994
Ciz1	0.09806434	0.07806694	0.08324105	-0.0051741	0.66047036	0.99999994
Arhgap17	0.06446142	0.05074011	0.05591597	-0.0051759	0.73110056	0.99999994
Slc48a1	0.29657572	0.21077099	0.21594784	-0.0051769	0.5633904	0.99999994
Noc4l	0.14166914	0.11100919	0.11619052	-0.0051813	0.61670172	0.99999994
Atm	0.07648665	0.06064521	0.06583105	-0.0051858	0.69998412	0.99999994
Nle1	0.0571866	0.04465421	0.04984188	-0.0051877	0.75578614	0.99999994
Tmem242	0.41520063	0.27188684	0.27707569	-0.0051889	0.54960164	0.99999994
Pgam5	0.14768055	0.11535865	0.12054833	-0.0051897	0.61277551	0.99999994
Pcsk2os1	0.26889627	0.19471947	0.1999119	-0.0051924	0.56863083	0.99999994
Luc7l3	0.68853501	0.37404491	0.37923786	-0.005193	0.53631184	0.99999994
Plod3	0.11632251	0.09214487	0.09733938	-0.0051945	0.63878627	0.99999994
E230001N04	0.0299386	0.0213718	0.02656756	-0.0051958	0.90350228	0.99999994
Ash1l	0.43204285	0.27963968	0.28483897	-0.0051993	0.54835313	0.99999994
Fpgs	0.05611726	0.04374459	0.04894416	-0.0051996	0.76025895	0.99999994
Fam50a	0.30432435	0.21510898	0.2203095	-0.0052005	0.56242747	0.99999994
Cops7b	0.14223886	0.11140056	0.11660537	-0.0052048	0.61681026	0.99999994
Nek1	0.09881854	0.07863564	0.08384091	-0.0052053	0.66029203	0.99999994
Lrp5	0.05129089	0.03967056	0.04487666	-0.0052061	0.78000153	0.99999994

Pigh	0.09761426	0.07767115	0.0828828	-0.0052116	0.66222754	0.99999994
Casc3	0.1349834	0.10608062	0.11129357	-0.0052129	0.62239659	0.99999994
Arpc5l	1.10133912	0.42455554	0.42977193	-0.0052164	0.53219637	0.99999994
Tcp1	1.13816819	0.42469171	0.42990952	-0.0052178	0.53219477	0.99999994
Dtd2	0.22864504	0.17005108	0.17526945	-0.0052184	0.57854884	0.99999994
Mphosph9	0.04055355	0.0305135	0.03573435	-0.0052208	0.83460033	0.99999994
Rprm1	0.02969918	0.02113813	0.0263593	-0.0052212	0.90632684	0.99999994
Armc5	0.07195395	0.05688952	0.0621119	-0.0052224	0.71214672	0.99999994
Csnk2a1	0.36944692	0.24965307	0.25488109	-0.005228	0.55429985	0.99999994
Gtf3a	0.41232726	0.27050157	0.27572994	-0.0052284	0.55022005	0.99999994
Aip	0.34946139	0.23942445	0.24465703	-0.0052326	0.55660303	0.99999994
Zfp593	0.09757362	0.07761756	0.08285044	-0.0052329	0.66291045	0.99999994
Heatr3	0.06706973	0.05284687	0.05807976	-0.0052329	0.7256557	0.99999994
Baiap2l1	0.14909941	0.11633723	0.12157056	-0.0052333	0.61276794	0.99999994
Fam171a1	0.07233994	0.05719527	0.06242946	-0.0052342	0.71160504	0.99999994
Tial1	0.29138008	0.20775719	0.21299209	-0.0052349	0.56497668	0.99999994
Wnk4	0.04702199	0.03601786	0.04125741	-0.0052395	0.80103772	0.99999994
Shoc2	0.24854056	0.18240691	0.18765067	-0.0052438	0.5737804	0.99999994
O610009L18F	0.10881816	0.08635792	0.09160643	-0.0052485	0.64853575	0.99999994
Thtpa	0.10474957	0.08321973	0.0884688	-0.0052491	0.65355556	0.99999994
Rpap1	0.05194477	0.04017539	0.04542924	-0.0052539	0.7792914	0.99999994
Zfp952	0.05248998	0.04063522	0.04588962	-0.0052544	0.77701763	0.99999994
Ralgds	0.12417832	0.09801006	0.10326554	-0.0052555	0.63260528	0.99999994
Cam1	0.30709142	0.21659521	0.22185383	-0.0052586	0.5626834	0.99999994
Sbf1	0.0567767	0.04423923	0.04949791	-0.0052587	0.76027106	0.99999994
Gna12	0.04933407	0.03796027	0.04322015	-0.0052599	0.79105234	0.99999994
Exoc8	0.05043053	0.03888841	0.04414887	-0.0052605	0.78614694	0.99999994
H2-M3	0.02358683	0.0157588	0.02102002	-0.0052612	0.95214901	0.99999994
Pkd2	0.13766412	0.10800174	0.11326342	-0.0052617	0.621424	0.99999994
Xpo7	0.11011629	0.08733759	0.09260317	-0.0052656	0.64746755	0.99999994

Mien1	1.19913087	0.42375275	0.42902064	-0.0052679	0.53257035	0.99999994
Vps13d	0.03755449	0.02788819	0.03315753	-0.0052693	0.85493037	0.99999994
Smim12	0.11497596	0.0910457	0.09631593	-0.0052702	0.64215458	0.99999994
Sdhaf3	0.11469002	0.09082552	0.09609828	-0.0052728	0.642528	0.99999994
Mnt	0.05467436	0.04245644	0.04773084	-0.0052744	0.76899654	0.99999994
Zfp788	0.07288062	0.05759891	0.06287402	-0.0052751	0.71173712	0.99999994
Nampt	0.06209393	0.04866884	0.05394557	-0.0052767	0.74250799	0.99999994
Bsdc1	0.18415189	0.14081276	0.1460909	-0.0052781	0.59502424	0.99999994
Tmem185b	0.07723683	0.06116562	0.06644448	-0.0052789	0.70153919	0.99999994
Slc7a6os	0.15885745	0.12325622	0.12853782	-0.0052816	0.607769	0.99999994
Tet1	0.05359814	0.04154065	0.04682434	-0.0052837	0.77370635	0.99999994
Ctdsp2	0.15172813	0.11816979	0.12345828	-0.0052885	0.61222897	0.99999994
Crlf2	0.07476083	0.05912882	0.06441756	-0.0052887	0.70763656	0.99999994
Phf21a	0.22396936	0.16701201	0.17230158	-0.0052896	0.58095874	0.99999994
Pphln1	0.11326921	0.08971995	0.09501532	-0.0052954	0.6446701	0.99999994
Mrrf	0.15660991	0.12164471	0.12694278	-0.0052981	0.60942059	0.99999994
Pi4kb	0.07288816	0.05758102	0.06288022	-0.0052992	0.71258789	0.99999994
Manbal	0.39538746	0.26236602	0.26766684	-0.0053008	0.5524371	0.99999994
Samhd1	0.04804276	0.03681965	0.04212468	-0.005305	0.79906262	0.99999994
Cul2	0.15189443	0.11827143	0.12357743	-0.005306	0.6124851	0.99999994
Xpo4	0.07882675	0.06243636	0.06774262	-0.0053063	0.69895267	0.99999994
Dlgap3	0.01966181	0.01222613	0.01756831	-0.005307	0.97782376	0.99999994
Cdk12	0.28976617	0.20676081	0.21206897	-0.0053082	0.56616198	0.99999994
Senp1	0.09462434	0.07518909	0.08049766	-0.0053086	0.66965687	0.99999994
Mief2	0.06711021	0.05279917	0.05811328	-0.0053141	0.72863282	0.99999994
Osbpl8	0.05854668	0.04566612	0.05098187	-0.0053158	0.75617197	0.99999994
Mms19	0.05426164	0.04206722	0.04738336	-0.0053161	0.77240933	0.99999994
Rnf186	0.05123169	0.03951002	0.04482661	-0.0053166	0.78508044	0.99999994
2510009E07I	0.05318062	0.0411471	0.04647233	-0.0053252	0.77719304	0.99999994
Cnksr1	0.01820315	0.01095208	0.01628091	-0.0053288	0.98532157	0.99999994

Smim8	0.22981695	0.17066135	0.17600985	-0.0053485	0.58014727	0.99999994
Utp6	0.08045779	0.06372189	0.06907157	-0.0053497	0.69691326	0.99999994
Cyb5r4	0.29071731	0.20726327	0.21261329	-0.00535	0.56650965	0.99999994
Eif4enif1	0.09743592	0.07738946	0.08274079	-0.0053513	0.66658586	0.99999994
Abhd6	0.05430792	0.04206952	0.04742233	-0.0053528	0.77377553	0.99999994
Tnpo2	0.07955109	0.06298009	0.06833314	-0.0053531	0.69897093	0.99999994
Pnpla8	0.22467148	0.16739486	0.17274867	-0.0053538	0.58171905	0.99999994
Igfals	0.05000467	0.03843114	0.04378832	-0.0053572	0.79227974	0.99999994
Lmf2	0.06222312	0.04869512	0.05405325	-0.0053581	0.74531648	0.99999994
Lrp8	0.15972119	0.12378951	0.12914928	-0.0053598	0.60881915	0.99999994
Kdm4a	0.08380723	0.0664315	0.07179188	-0.0053604	0.69040561	0.99999994
Cdadcl1	0.10231627	0.08122142	0.08658232	-0.0053609	0.65988167	0.99999994
Abhd5	0.0895791	0.07108716	0.0764522	-0.005365	0.67978957	0.99999994
Spg21	0.48231126	0.30141793	0.30678327	-0.0053653	0.54633746	0.99999994
Zfp523	0.11118282	0.08805462	0.0934205	-0.0053659	0.64889064	0.99999994
Taf1d	0.2048662	0.15457206	0.15993796	-0.0053659	0.58835663	0.99999994
Nudt9	0.11938196	0.09428699	0.09965631	-0.0053693	0.64006564	0.99999994
Kansl3	0.11375899	0.09001916	0.09538892	-0.0053698	0.64606132	0.99999994
Prkdc	0.03283289	0.02370975	0.02907983	-0.0053701	0.89050343	0.99999994
Fyco1	0.0670119	0.0526576	0.05803186	-0.0053743	0.73119705	0.99999994
Setd2	0.21471199	0.16098088	0.16635779	-0.0053769	0.58517203	0.99999994
Hgh1	0.08316003	0.06589	0.07126716	-0.0053772	0.69224592	0.99999994
Hgs	0.20182137	0.15255119	0.15793151	-0.0053803	0.58969667	0.99999994
Psmb8	0.01852809	0.01118676	0.01656792	-0.0053812	0.98468879	0.99999994
Pcbd1	1.11757894	0.42453512	0.42991727	-0.0053821	0.53320588	0.99999994
Ermard	0.07930674	0.06275138	0.068134	-0.0053826	0.7005057	0.99999994
S100z	0.02507357	0.0169384	0.02232274	-0.0053843	0.94581277	0.99999994
Morc2a	0.07120006	0.0561064	0.06149119	-0.0053848	0.72001917	0.99999994
Map1s	0.06110138	0.04773208	0.05311768	-0.0053856	0.75012647	0.99999994
Sgtb	0.05067804	0.03897256	0.04435832	-0.0053858	0.79050676	0.99999994

Pi4k2b	0.1957589	0.14852034	0.15390727	-0.0053869	0.5921116	0.99999994
Slc35a3	0.04137804	0.03105313	0.03644096	-0.0053878	0.83747886	0.99999994
Nmral1	0.23736271	0.17535514	0.18074414	-0.005389	0.57865884	0.99999994
Galnt12	0.19340712	0.14694503	0.1523356	-0.0053906	0.59310634	0.99999994
Smim1	0.2633738	0.19123179	0.19662504	-0.0053933	0.57243546	0.99999994
Appl2	0.13949768	0.10921177	0.11460584	-0.0053941	0.62296987	0.99999994
Cptp	0.07376046	0.05820201	0.06359678	-0.0053948	0.71384197	0.99999994
Trim33	0.09974975	0.07918532	0.08458077	-0.0053954	0.66444035	0.99999994
Inpp4b	0.01900343	0.0115909	0.01698754	-0.0053966	0.98276823	0.99999994
Phf13	0.08049819	0.06370681	0.06910445	-0.0053976	0.69843926	0.99999994
Atg16l2	0.08437667	0.06685283	0.0722532	-0.0054004	0.69058577	0.99999994
S100pbp	0.1015771	0.08060716	0.08600777	-0.0054006	0.66201441	0.99999994
Wdr36	0.06393123	0.05007265	0.05547523	-0.0054026	0.74158643	0.99999994
Slc16a6	0.02905492	0.02039505	0.02579858	-0.0054035	0.91836816	0.99999994
Plcb1	0.03397152	0.02465996	0.03006553	-0.0054056	0.884301	0.99999994
Tmem198	0.07023971	0.05529144	0.06069963	-0.0054082	0.72343121	0.99999994
Bdp1	0.189977	0.14462299	0.15003224	-0.0054093	0.59483022	0.99999994
Reps2	0.03410003	0.02476728	0.03017668	-0.0054094	0.88360529	0.99999994
Cpeb1	0.01459134	0.00767243	0.01308226	-0.0054098	0.99704345	0.99999994
Gon4l	0.31246559	0.21942166	0.2248339	-0.0054122	0.56365132	0.99999994
Rexo2	0.45184681	0.28827851	0.29369963	-0.0054211	0.54889227	0.99999994
Cep19	0.14839066	0.11563793	0.12106023	-0.0054223	0.61720144	0.99999994
Shq1	0.05380932	0.04157969	0.04700232	-0.0054226	0.77873863	0.99999994
Ranbp10	0.05213752	0.04016349	0.04559203	-0.0054285	0.78598232	0.99999994
Lmbr1	0.05269929	0.04063173	0.04606628	-0.0054346	0.78385147	0.99999994
Trim39	0.07396968	0.0583332	0.06376853	-0.0054353	0.71476394	0.99999994
Eftud2	0.17388522	0.13361637	0.13905341	-0.005437	0.6026709	0.99999994
Hsd17b4	0.18873859	0.14375903	0.1491974	-0.0054384	0.59585402	0.99999994
Tnpo3	0.24589289	0.18058736	0.18602588	-0.0054385	0.57714716	0.99999994
Asb8	0.14162246	0.11071703	0.11615651	-0.0054395	0.62236949	0.99999994

Slc11a2	0.03824719	0.02831351	0.03375361	-0.0054401	0.85832203	0.99999994
Hfe	0.01794741	0.01061443	0.01605493	-0.0054405	0.98795296	0.99999994
Cd2bp2	0.19473894	0.14778582	0.15322637	-0.0054405	0.59341736	0.99999994
Bysl	0.11969821	0.09445258	0.09989516	-0.0054426	0.64156978	0.99999994
Rrp8	0.10571556	0.08377296	0.08921564	-0.0054427	0.65765703	0.99999994
Rrp9	0.10636482	0.08427263	0.08971694	-0.0054443	0.65686778	0.99999994
Tmx3	0.0974175	0.07728133	0.08272611	-0.0054448	0.66934352	0.99999994
5031439G07	0.0476464	0.03633852	0.04178807	-0.0054496	0.80731668	0.99999994
Elmod2	0.0736276	0.05803715	0.0634877	-0.0054506	0.71615683	0.99999994
Tbc1d30	0.02531926	0.01708608	0.02253777	-0.0054517	0.9463136	0.99999994
Tbce	0.14454789	0.11283047	0.11828281	-0.0054523	0.62051362	0.99999994
Coro1b	0.32013929	0.22358902	0.22904371	-0.0054547	0.56297701	0.99999994
N4bp2l1	0.09256012	0.07338696	0.07884565	-0.0054587	0.67754233	0.99999994
Rpe	0.11591329	0.09156982	0.0970286	-0.0054588	0.64597768	0.99999994
Tmem150c	0.05889713	0.04581307	0.05127528	-0.0054622	0.76086368	0.99999994
Bcl2l11	0.09123725	0.0723209	0.07778465	-0.0054637	0.67994875	0.99999994
Lsr	0.63211721	0.35692876	0.36239284	-0.0054641	0.53997199	0.99999994
Pced1b	0.03386812	0.02451198	0.02997608	-0.0054641	0.88749902	0.99999994
Lmnb2	0.07732742	0.06105194	0.06651852	-0.0054666	0.70782048	0.99999994
Spata13	0.04926221	0.03769256	0.04315924	-0.0054667	0.800418	0.99999994
Traf3ip2	0.05821363	0.04523335	0.05070291	-0.0054696	0.76363733	0.99999994
Zfp524	0.08887681	0.07041564	0.07588701	-0.0054714	0.68435633	0.99999994
Trmu	0.08616312	0.06821975	0.07369825	-0.0054785	0.68963385	0.99999994
Ptpru	0.0480791	0.03667435	0.04215554	-0.0054812	0.80661211	0.99999994
Rnls	0.05629981	0.04361493	0.0490975	-0.0054826	0.77134868	0.99999994
Smarcb1	0.64199542	0.36009316	0.36557741	-0.0054843	0.53977075	0.99999994
Tarsl2	0.03557886	0.02596957	0.03145443	-0.0054849	0.8771183	0.99999994
Ccni	0.41527581	0.27162466	0.27711082	-0.0054862	0.55242105	0.99999994
Ptpn4	0.05841751	0.04538513	0.05087369	-0.0054886	0.76366089	0.99999994
Cdkn2d	0.3097584	0.21784632	0.2233359	-0.0054896	0.56498193	0.99999994

Snx12	0.18775879	0.14303926	0.14853572	-0.0054965	0.59728033	0.99999994
Polr2d	0.33217574	0.23004092	0.23554296	-0.005502	0.5617808	0.99999994
Smyd4	0.04581751	0.03472805	0.04023254	-0.0055045	0.81877381	0.99999994
Rars2	0.29421148	0.20910138	0.21460588	-0.0055045	0.56778233	0.99999994
Ier5	0.09982482	0.07913403	0.08464037	-0.0055063	0.66750519	0.99999994
Krt10	0.2864685	0.20466456	0.21017541	-0.0055108	0.56927602	0.99999994
Scfd2	0.0431356	0.03242985	0.03794468	-0.0055148	0.83333449	0.99999994
Reps1	0.04939206	0.03775301	0.04326931	-0.0055163	0.80194867	0.99999994
Kifc3	0.0672409	0.05270419	0.0582215	-0.0055173	0.7359092	0.99999994
Klhl32	0.22061167	0.16463821	0.17015613	-0.0055179	0.5854501	0.99999994
Brf1	0.1162112	0.09173352	0.09725487	-0.0055213	0.64724544	0.99999994
Sgsm1	0.04862632	0.03709525	0.04261997	-0.0055247	0.8058893	0.99999994
Rab3ip	0.29380814	0.20884926	0.21437643	-0.0055272	0.5681311	0.99999994
Tsnax	0.33638364	0.23225672	0.23778499	-0.0055283	0.56149232	0.99999994
Mylpf	0.06554642	0.0512877	0.05681695	-0.0055292	0.74143502	0.99999994
Trim11	0.12514512	0.09845438	0.10398966	-0.0055353	0.63844754	0.99999994
Ttc13	0.13034933	0.10232647	0.10786809	-0.0055416	0.63381101	0.99999994
2900026A02	0.12074288	0.09514151	0.10068325	-0.0055417	0.64295734	0.99999994
Cluh	0.04661688	0.03537088	0.04091289	-0.005542	0.81638167	0.99999994
Sh3yl1	0.07777233	0.06133791	0.06688201	-0.0055441	0.70944703	0.99999994
Chmp4c	0.04857941	0.03703586	0.04258017	-0.0055443	0.80695124	0.99999994
Slk	0.06891558	0.05406109	0.0596066	-0.0055455	0.73213241	0.99999994
ldh3b	0.49930787	0.30825988	0.31380541	-0.0055455	0.54681972	0.99999994
Med15	0.07505736	0.05911197	0.06466065	-0.0055487	0.71606696	0.99999994
D6Wsu163e	0.06567965	0.05137735	0.0569275	-0.0055501	0.7418184	0.99999994
Dctn4	0.13891877	0.10863197	0.11418243	-0.0055505	0.62686754	0.99999994
Prpf3	0.08065234	0.06367668	0.0692299	-0.0055532	0.70330629	0.99999994
Folr1	0.026847	0.01831929	0.02387329	-0.005554	0.93925726	0.99999994
Galnt1	0.14045991	0.10975351	0.11530874	-0.0055552	0.62577476	0.99999994
C2cd3	0.09523405	0.07542895	0.08098478	-0.0055558	0.67603814	0.99999994

Mfap1a	0.12759321	0.10025807	0.10581817	-0.0055601	0.63673719	0.99999994
Ppm1k	0.05428031	0.04183867	0.04739908	-0.0055604	0.78255767	0.99999994
Zscan26	0.08574234	0.06779686	0.07335818	-0.0055613	0.69308771	0.99999994
Ndufaf3	0.47706979	0.29901578	0.30457801	-0.0055622	0.54837584	0.99999994
Zfp322a	0.19231237	0.14603914	0.15160197	-0.0055628	0.5964799	0.99999994
Tsen2	0.08491551	0.06712553	0.07268941	-0.0055639	0.69479866	0.99999994
Frm4a	0.05582533	0.04313399	0.04869887	-0.0055649	0.77656102	0.99999994
Noa1	0.08882866	0.07027969	0.07584823	-0.0055685	0.68746904	0.99999994
Unc119b	0.08189989	0.06467233	0.07024424	-0.0055719	0.70124862	0.99999994
Gdap1	0.10843131	0.08573658	0.09130899	-0.0055724	0.65771127	0.99999994
Colgalt1	0.08593954	0.06794424	0.07351757	-0.0055733	0.69308569	0.99999994
Nup50	0.21418551	0.16044242	0.16601709	-0.0055747	0.5884319	0.99999994
Gtpbp1	0.04672952	0.03543199	0.04100869	-0.0055767	0.81731663	0.99999994
Dcp2	0.0731515	0.05751863	0.06309663	-0.005578	0.72188469	0.99999994
Mfap3	0.17641422	0.13521923	0.14079814	-0.0055789	0.60401296	0.99999994
Alg11	0.08609117	0.0680586	0.07364012	-0.0055815	0.6930503	0.99999994
Cebpz	0.42931378	0.27801249	0.28359541	-0.0055829	0.55212764	0.99999994
Slc25a19	0.07137568	0.05605112	0.06163584	-0.0055847	0.72678598	0.99999994
Ccdc130	0.07859632	0.06196646	0.06755464	-0.0055882	0.70905278	0.99999994
Zfp612	0.1142022	0.0901358	0.09572674	-0.0055909	0.65127524	0.99999994
Amz2	0.27335424	0.19694991	0.20254311	-0.0055932	0.57292039	0.99999994
Ppfibp1	0.07801172	0.06148299	0.0670775	-0.0055945	0.71060905	0.99999994
Nob1	0.25322401	0.18491137	0.190508	-0.0055966	0.57751738	0.99999994
Tle3	0.18903276	0.14379872	0.14939586	-0.0055971	0.59846717	0.99999994
Maml3	0.19520455	0.14793912	0.15353734	-0.0055982	0.59588163	0.99999994
Ykt6	0.19358811	0.14685661	0.15245677	-0.0056002	0.59658062	0.99999994
Aff1	0.03563443	0.02590016	0.0315024	-0.0056022	0.88174124	0.99999994
Man1b1	0.08113371	0.06401245	0.06962147	-0.005609	0.70411254	0.99999994
Gtpbp6	0.16716081	0.12877049	0.13437968	-0.0056092	0.60943452	0.99999994
Wdr45b	0.30009678	0.21232636	0.21793689	-0.0056105	0.56802968	0.99999994

Smg9	0.10455409	0.08270669	0.08831752	-0.0056108	0.6638087	0.99999994
Vps41	0.15593614	0.12085003	0.12646349	-0.0056135	0.6161796	0.99999994
Ptprt	0.03564171	0.02589257	0.03150868	-0.0056161	0.8822736	0.99999994
Gpr155	0.0226305	0.01456301	0.02018068	-0.0056177	0.9680532	0.99999994
Zdhhc24	0.0476267	0.03615212	0.04177133	-0.0056192	0.81472266	0.99999994
Mmd	0.08083253	0.06375713	0.0693765	-0.0056194	0.70510932	0.99999994
Rrm2b	0.09844069	0.0779208	0.08354045	-0.0056197	0.67283822	0.99999994
Serinc1	0.83446936	0.40357514	0.40919713	-0.005622	0.53643335	0.99999994
Tasp1	0.07574414	0.05960048	0.0652233	-0.0056228	0.71696078	0.99999994
Tdrd7	0.04360606	0.0327194	0.03834661	-0.0056272	0.83566416	0.99999994
Pms2	0.05849364	0.04530814	0.05093745	-0.0056293	0.76901953	0.99999994
Ndfip2	0.60330057	0.34712236	0.35275808	-0.0056357	0.54234488	0.99999994
Ndufaf7	0.10094661	0.07987704	0.08551716	-0.0056401	0.66967189	0.99999994
Galnt10	0.03741586	0.02739723	0.03303816	-0.0056409	0.87212732	0.99999994
Hspa1b	0.01995711	0.01218436	0.01782863	-0.0056443	0.98245426	0.99999994
Prr14	0.0871581	0.06885457	0.07450165	-0.0056471	0.69305863	0.99999994
Rhd	0.02352822	0.01532036	0.02096861	-0.0056482	0.96351362	0.99999994
Wdr7	0.03829782	0.02814683	0.03379715	-0.0056503	0.86710982	0.99999994
Usp11	0.07445729	0.05851316	0.06416863	-0.0056555	0.72128211	0.99999994
Ralgps1	0.0627137	0.04880573	0.05446198	-0.0056562	0.75531391	0.99999994
Scamp5	0.04808589	0.03650148	0.04216131	-0.0056598	0.81422238	0.99999994
Cln5	0.07696644	0.0605572	0.06622345	-0.0056663	0.71550376	0.99999994
Rhbdl2	0.02214496	0.01408526	0.01975414	-0.0056689	0.97194543	0.99999994
Ggnbp1	0.08713832	0.06881391	0.07448568	-0.0056718	0.69387116	0.99999994
Lyp1a2	0.27747843	0.19928721	0.20496073	-0.0056735	0.57309313	0.99999994
4930481A15	0.02147375	0.01348861	0.019164	-0.0056754	0.97565355	0.99999994
Mier2	0.06837237	0.0534821	0.05915765	-0.0056755	0.7384607	0.99999994
Ttc19	0.10882579	0.08593601	0.09161229	-0.0056763	0.65998668	0.99999994
Lgals8	0.08553715	0.06751382	0.07319228	-0.0056785	0.69721896	0.99999994
Zbtb48	0.03591164	0.02606313	0.03174162	-0.0056785	0.88313476	0.99999994

Ipo9	0.08333188	0.06572798	0.07140653	-0.0056785	0.7017157	0.99999994
Alg6	0.044627	0.03353653	0.03921795	-0.0056814	0.83255035	0.99999994
Nudt13	0.08558139	0.06754604	0.07322805	-0.005682	0.69724384	0.99999994
A930015D03	0.08120359	0.06399517	0.0696783	-0.0056831	0.70640359	0.99999994
Slc30a4	0.05070596	0.03869618	0.04438195	-0.0056858	0.80309967	0.99999994
2810001G20	0.09872381	0.07807928	0.0837656	-0.0056863	0.67431438	0.99999994
Psemb9	0.02042243	0.01254613	0.01823863	-0.0056925	0.98112368	0.99999994
Uck1	0.24530094	0.17996882	0.18566168	-0.0056929	0.58086266	0.99999994
Cacul1	0.11461007	0.09034365	0.09603741	-0.0056938	0.65344372	0.99999994
Sestd1	0.05754339	0.04444733	0.05014114	-0.0056938	0.77513564	0.99999994
Riok3	0.40126902	0.26479763	0.27049147	-0.0056938	0.55571599	0.99999994
Sgpp1	0.08267494	0.06517591	0.07087358	-0.0056977	0.7037158	0.99999994
Ptprs	0.16619618	0.12800349	0.13370507	-0.0057016	0.61173607	0.99999994
Enah	0.24114986	0.17739476	0.18309803	-0.0057033	0.5821267	0.99999994
Ssh1	0.05005256	0.03812328	0.04382887	-0.0057056	0.80689648	0.99999994
Syap1	0.22862673	0.16955193	0.17525788	-0.0057059	0.58578437	0.99999994
Coq6	0.14331167	0.11167742	0.11738551	-0.0057081	0.62690887	0.99999994
Rbm6	0.29466699	0.20915611	0.21486482	-0.0057087	0.57018756	0.99999994
Pigu	0.13510012	0.10567035	0.11137951	-0.0057092	0.63352195	0.99999994
Dock9	0.04951957	0.03766766	0.04337737	-0.0057097	0.80953054	0.99999994
Crebbp	0.28292269	0.20241679	0.208128	-0.0057112	0.57246615	0.99999994
Stat5b	0.04116852	0.03055013	0.03626147	-0.0057113	0.85277396	0.99999994
Ebag9	0.12929931	0.1013731	0.1070882	-0.0057151	0.63879412	0.99999994
Cdc37l1	0.14268076	0.11120317	0.11692688	-0.0057237	0.62772616	0.99999994
Gpatch2	0.17487943	0.13401301	0.13974016	-0.0057272	0.60749886	0.99999994
Tab1	0.1006106	0.07952789	0.08525548	-0.0057276	0.67262893	0.99999994
Ndufaf2	0.15652781	0.1211517	0.1268844	-0.0057327	0.61819283	0.99999994
Clic4	0.08090474	0.06370201	0.06943525	-0.0057332	0.70870735	0.99999994
1810044D09	0.07913202	0.06225799	0.06799157	-0.0057336	0.7127089	0.99999994
Mcat	0.1472709	0.11451625	0.12025275	-0.0057365	0.62458045	0.99999994

Wdr35	0.08565382	0.06754535	0.07328662	-0.0057413	0.69897625	0.99999994
Ccz1	0.31313773	0.21945553	0.22520483	-0.0057493	0.56746799	0.99999994
Rabgef1	0.07678967	0.06032869	0.0660789	-0.0057502	0.71878614	0.99999994
Tap2	0.03133241	0.0220279	0.02777861	-0.0057507	0.91589762	0.99999994
Ikzf2	0.04874589	0.03696969	0.04272141	-0.0057517	0.81491808	0.99999994
Ppcdc	0.05787544	0.04466705	0.05041951	-0.0057525	0.77620447	0.99999994
Nprl2	0.16182767	0.12488197	0.1306368	-0.0057548	0.61532561	0.99999994
Ahdc1	0.10032762	0.07927952	0.085035	-0.0057555	0.67383461	0.99999994
Rnase1	0.10175814	0.08038479	0.08614855	-0.0057638	0.67196421	0.99999994
2810454H06	0.05453264	0.04184651	0.04761154	-0.005765	0.78987366	0.99999994
Plekhh1	0.03156858	0.02221826	0.02798359	-0.0057653	0.91487169	0.99999994
Dnal1	0.0587838	0.04541053	0.05118041	-0.0057699	0.77349645	0.99999994
Itpr1	0.17901521	0.13681333	0.14258465	-0.0057713	0.60619894	0.99999994
Kat7	0.11272276	0.08882594	0.09459814	-0.0057722	0.65768691	0.99999994
Airn	0.06189336	0.0480033	0.05377836	-0.0057751	0.76263431	0.99999994
Gna13	0.11650637	0.09170202	0.09747895	-0.0057769	0.65338593	0.99999994
Agtppb1	0.05269285	0.04027108	0.04606084	-0.0057898	0.79861715	0.99999994
Akap8	0.18756824	0.14261684	0.14840691	-0.0057901	0.60245113	0.99999994
Mpv17l2	0.21091503	0.15810282	0.16389421	-0.0057914	0.59297722	0.99999994
Slc3a2	0.58654846	0.34113513	0.34692706	-0.0057919	0.5442424	0.99999994
Tmx4	0.19643637	0.14856539	0.15435891	-0.0057935	0.59864123	0.99999994
Dcaf17	0.14541208	0.11310821	0.11890901	-0.0058008	0.62730365	0.99999994
Zfp113	0.0909638	0.07175314	0.07756511	-0.005812	0.69102646	0.99999994
Serinc3	0.1625244	0.12531263	0.1311276	-0.005815	0.61607258	0.99999994
Atg4b	0.29709998	0.21042823	0.21624474	-0.0058165	0.57104737	0.99999994
Rnf11	0.20078854	0.15143185	0.15724868	-0.0058168	0.59724671	0.99999994
Etfdh	0.17099824	0.13123328	0.13705304	-0.0058198	0.61127839	0.99999994
Rhog	0.0784193	0.0615865	0.0674102	-0.0058237	0.71737347	0.99999994
Dynlt1c	0.18844128	0.14317066	0.14899673	-0.0058261	0.60267489	0.99999994
Rcl1	0.08544826	0.06729362	0.0731204	-0.0058268	0.70209234	0.99999994

Ddx25	0.04760933	0.03592788	0.04175657	-0.0058287	0.82359257	0.99999994
Ttc9c	0.11771315	0.0925645	0.09839394	-0.0058294	0.6533433	0.99999994
Nadk	0.17723131	0.13553039	0.14136018	-0.0058298	0.60815463	0.99999994
Lsm8	0.53152289	0.32075677	0.32659117	-0.0058344	0.54732774	0.99999994
Rps6kb1	0.29562895	0.20957348	0.21541105	-0.0058376	0.57157492	0.99999994
Wdr73	0.12822128	0.10044801	0.10628611	-0.0058381	0.64267635	0.99999994
Tsc2	0.05312974	0.04058974	0.04642942	-0.0058397	0.79876138	0.99999994
Erlin2	0.0937667	0.07397098	0.07981181	-0.0058408	0.68691661	0.99999994
Fbxo7	0.08121393	0.06384516	0.0696867	-0.0058415	0.71156918	0.99999994
Mlxip	0.04381934	0.03268592	0.03852873	-0.0058428	0.84361434	0.99999994
Rab19	0.02466293	0.01611927	0.02196318	-0.0058439	0.96172879	0.99999994
Sppl3	0.08881414	0.06998895	0.07583655	-0.0058476	0.69611449	0.99999994
Crem	0.14631144	0.11371081	0.1195597	-0.0058489	0.6276482	0.99999994
Kbtbd3	0.12631155	0.09900638	0.10486178	-0.0058554	0.64493662	0.99999994
Nt5c3	0.41433911	0.27081682	0.27667283	-0.005856	0.55602059	0.99999994
Tor3a	0.05319399	0.04062759	0.04648361	-0.005856	0.79914486	0.99999994
Tmem38b	0.06827195	0.05321329	0.05907462	-0.0058613	0.74551356	0.99999994
Ehd4	0.05668476	0.04355854	0.04942074	-0.0058622	0.78510906	0.99999994
Msl3	0.10027591	0.07913213	0.08499469	-0.0058626	0.67692837	0.99999994
Gba	0.12338261	0.09680598	0.10266872	-0.0058627	0.64806485	0.99999994
Zcchc10	0.09351238	0.07374474	0.07960829	-0.0058635	0.68802991	0.99999994
Get4	0.3436383	0.23575066	0.24161541	-0.0058647	0.56417781	0.99999994
Helq	0.03336649	0.02366924	0.02954195	-0.0058727	0.90712081	0.99999994
Mprip	0.1434591	0.11161889	0.11749262	-0.0058737	0.6303449	0.99999994
Tmc6	0.06654758	0.05177121	0.05764718	-0.005876	0.75126697	0.99999994
Rbpms	0.44804489	0.28614377	0.29202043	-0.0058767	0.5532803	0.99999994
Rmdn3	0.17139703	0.13145289	0.13732991	-0.005877	0.61212367	0.99999994
Rnf168	0.07639176	0.05987468	0.06575342	-0.0058787	0.72411736	0.99999994
H6pd	0.01764822	0.00990817	0.01579046	-0.0058823	0.99342421	0.99999994
Rabif	0.15348706	0.11883457	0.12471693	-0.0058824	0.62322118	0.99999994

Myd88	0.03306709	0.0233911	0.0292827	-0.0058916	0.90975396	0.99999994
Spopl	0.09135196	0.07198291	0.07787673	-0.0058938	0.69278565	0.99999994
Tomm40l	0.09113297	0.07180623	0.07770094	-0.0058947	0.69321287	0.99999994
Fam222a	0.11883049	0.09333923	0.09923953	-0.0059003	0.65385707	0.99999994
Ring1	0.16024369	0.12361681	0.12951875	-0.0059019	0.61917642	0.99999994
Eif2b1	0.33105401	0.22904028	0.23494276	-0.0059025	0.56640465	0.99999994
Map4k5	0.08807189	0.069335	0.07523858	-0.0059036	0.69926583	0.99999994
Trp53rka	0.15522624	0.12005174	0.12595793	-0.0059062	0.62252455	0.99999994
Sfi1	0.08163276	0.0641209	0.07002717	-0.0059063	0.7127425	0.99999994
Rtkn2	0.01790017	0.01010625	0.01601318	-0.0059069	0.9929635	0.99999994
Rxrb	0.09901511	0.07808924	0.08399716	-0.0059079	0.68016989	0.99999994
Csnk1g1	0.14464114	0.11244108	0.11835042	-0.0059093	0.63019043	0.99999994
Tefm	0.13501909	0.10540909	0.11131985	-0.0059108	0.63811833	0.99999994
Stam2	0.17912425	0.13674841	0.14265937	-0.005911	0.60864922	0.99999994
Rnaseh2b	0.12012125	0.09429911	0.10021446	-0.0059153	0.65280476	0.99999994
Cbx5	0.33308503	0.23011266	0.23602871	-0.0059161	0.56625259	0.99999994
Uimc1	0.12564277	0.0984376	0.10436195	-0.0059243	0.64723398	0.99999994
Lrrc24	0.12014024	0.09430321	0.10022878	-0.0059256	0.65303485	0.99999994
Rad21	0.53043763	0.32024333	0.32617122	-0.0059279	0.54814403	0.99999994
Pcca	0.05716577	0.04389468	0.04982441	-0.0059297	0.78587508	0.99999994
Phlpp2	0.03374056	0.02393456	0.02986571	-0.0059311	0.90690111	0.99999994
Glrx5	0.75185368	0.38806018	0.39399353	-0.0059334	0.53992375	0.99999994
Usp35	0.03280961	0.02312574	0.02905967	-0.0059339	0.91296074	0.99999994
Sbf2	0.09663491	0.07616591	0.08210254	-0.0059366	0.68485015	0.99999994
Dlg1	0.07926134	0.06215806	0.06809699	-0.0059389	0.71921775	0.99999994
Tmem131	0.10668707	0.08402428	0.08996556	-0.0059413	0.66988037	0.99999994
Bicc1	0.10484574	0.08259888	0.0885432	-0.0059443	0.67251641	0.99999994
Sfmbt1	0.04050086	0.02974328	0.03568916	-0.0059459	0.86627649	0.99999994
Rbmx2	0.21976385	0.16366063	0.16961249	-0.0059519	0.59234357	0.99999994
Cmc4	0.08404684	0.06602688	0.07198604	-0.0059592	0.70919271	0.99999994

Foxj3	0.0771723	0.06043149	0.06639174	-0.0059602	0.72493577	0.99999994
Ctu2	0.1273966	0.09971089	0.10567158	-0.0059607	0.64634442	0.99999994
Kmt2d	0.11691561	0.09182853	0.09778943	-0.0059609	0.65753613	0.99999994
Mrpl50	0.37560783	0.25200524	0.25796711	-0.0059619	0.56113007	0.99999994
Mfsd6l	0.03498353	0.02497723	0.03094036	-0.0059631	0.90023255	0.99999994
Rufy2	0.11629874	0.09135462	0.09732133	-0.0059667	0.6583987	0.99999994
Abhd14a	0.15930788	0.12288917	0.1288568	-0.0059676	0.62106149	0.99999994
Decr2	0.11904373	0.09343212	0.09940074	-0.0059686	0.65530681	0.99999994
S100a8	0.02964129	0.02034006	0.02630894	-0.0059689	0.93450007	0.99999994
Capn9	0.02632925	0.01745042	0.02342098	-0.0059706	0.95513887	0.99999994
C77080	0.04202654	0.03102384	0.03699621	-0.0059724	0.85871135	0.99999994
Dhodh	0.0779041	0.06101026	0.06698962	-0.0059794	0.72378857	0.99999994
Fntb	0.07318679	0.05714055	0.06312562	-0.0059851	0.73601355	0.99999994
Prmt1	1.58676975	0.39392711	0.399914	-0.0059869	0.53968835	0.99999994
Dhx57	0.05043258	0.03815944	0.0441506	-0.0059912	0.8168051	0.99999994
Creb1	0.13849526	0.10787983	0.11387242	-0.0059926	0.63694104	0.99999994
Zfp61	0.04302555	0.03185755	0.03785063	-0.0059931	0.85404355	0.99999994
Ppp1r8	0.19034805	0.14428563	0.15028206	-0.0059964	0.60472496	0.99999994
Rwdd1	0.86619828	0.40788587	0.41388553	-0.0059997	0.53843433	0.99999994
Prdm2	0.12497156	0.09785798	0.10385975	-0.0060018	0.64975257	0.99999994
Tfpt	0.20075127	0.15122029	0.15722402	-0.0060037	0.60032108	0.99999994
Apold1	0.02494312	0.0162033	0.02220854	-0.0060052	0.96406152	0.99999994
Asb1	0.0390877	0.0284709	0.03447616	-0.0060053	0.87686205	0.99999994
Tbl3	0.1343789	0.10484285	0.11084819	-0.0060053	0.64080683	0.99999994
Dusp28	0.14546469	0.11294021	0.11894711	-0.0060069	0.63162111	0.99999994
Bag4	0.21701941	0.1618357	0.16784762	-0.0060119	0.59422065	0.99999994
Pitpnm1	0.02244681	0.01400168	0.02001935	-0.0060177	0.9772958	0.99999994
Lgalsl	0.04832784	0.03634863	0.04236669	-0.0060181	0.8278023	0.99999994
Usp40	0.07603208	0.05944074	0.06545905	-0.0060183	0.72972664	0.99999994
Fam166a	0.02283795	0.01434284	0.02036284	-0.00602	0.9754581	0.99999994

Stx3	0.21686874	0.16173048	0.16775051	-0.00602	0.59439883	0.99999994
Secisbp2l	0.09001189	0.07077784	0.07680025	-0.0060224	0.69915414	0.99999994
Cyb5d2	0.0501482	0.03788514	0.04390986	-0.0060247	0.81945625	0.99999994
Eif3j2	0.18278017	0.13913156	0.14515741	-0.0060259	0.60884971	0.99999994
Cstf3	0.37955498	0.25389634	0.25992745	-0.0060311	0.56137168	0.99999994
Snrnp35	0.10818966	0.08508594	0.0911231	-0.0060372	0.67039446	0.99999994
Znhit6	0.14778641	0.11458698	0.12062468	-0.0060377	0.63049875	0.99999994
Flot1	0.26039649	0.18879515	0.19484092	-0.0060458	0.58181621	0.99999994
Tmco6	0.04210848	0.03101971	0.03706633	-0.0060466	0.86122728	0.99999994
Aamdc	0.08984473	0.07061749	0.07666584	-0.0060484	0.70025575	0.99999994
Zfp511	0.15314468	0.11842048	0.12447221	-0.0060517	0.62688949	0.99999994
Trappc10	0.06491342	0.05023873	0.05629146	-0.0060527	0.76291917	0.99999994
Zpr1	0.17517014	0.13388754	0.13994075	-0.0060532	0.61329759	0.99999994
Fbxo16	0.13359066	0.10421136	0.11026677	-0.0060554	0.64264608	0.99999994
Asl	0.21496449	0.16046405	0.16652109	-0.006057	0.59565591	0.99999994
Tmem94	0.0603825	0.04645915	0.0525174	-0.0060583	0.77871413	0.99999994
Gtpbp3	0.06400923	0.04947865	0.05554009	-0.0060614	0.76621837	0.99999994
B3galt4	0.05813964	0.04457933	0.05064091	-0.0060616	0.78720131	0.99999994
Arih2	0.10743205	0.08447623	0.09053982	-0.0060636	0.67212417	0.99999994
Rpl14	3.2518593	0.28413606	0.29020193	-0.0060659	0.55532737	0.99999994
Isca2	0.34466882	0.23608607	0.24215595	-0.0060699	0.56625534	0.99999994
Dync2li1	0.33187079	0.22930991	0.2353799	-0.00607	0.5681454	0.99999994
Pcyt2	0.16176862	0.12451884	0.13059518	-0.0060763	0.62160824	0.99999994
Tesk1	0.05150953	0.03898473	0.04506148	-0.0060768	0.81531148	0.99999994
Ppil1	0.19748846	0.14898011	0.15505933	-0.0060792	0.60294127	0.99999994
Zfat	0.03428572	0.0242555	0.03033726	-0.0060818	0.90896544	0.99999994
Zbtb11	0.07516873	0.05866944	0.06475193	-0.0060825	0.73410194	0.99999994
Stard3nl	0.29725874	0.21025169	0.2163346	-0.0060829	0.57423396	0.99999994
Deptor	0.28929773	0.20571266	0.2118006	-0.0060879	0.57586587	0.99999994
Opn3	0.04832038	0.03627019	0.04236036	-0.0060902	0.83071339	0.99999994

Pcnp	0.6202225	0.35238687	0.35847825	-0.0060914	0.54502715	0.99999994
Eml5	0.14455041	0.11219267	0.11828463	-0.006092	0.63413288	0.99999994
Zfp157	0.12622824	0.0987067	0.10479955	-0.0060929	0.65061754	0.99999994
Ddx28	0.07970616	0.0623658	0.06845949	-0.0060937	0.72324004	0.99999994
Ncaph2	0.19425371	0.14680739	0.15290205	-0.0060947	0.60461918	0.99999994
Vegfb	0.0511597	0.03867038	0.04476573	-0.0060954	0.81762144	0.99999994
Dnttip1	0.19215495	0.14539734	0.15149637	-0.006099	0.6056409	0.99999994
Acp6	0.13411793	0.1045554	0.11065578	-0.0061004	0.64317579	0.99999994
Memo1	0.17093992	0.13090968	0.13701253	-0.0061029	0.61657196	0.99999994
Rnf139	0.07588785	0.05923541	0.06534098	-0.0061056	0.7330229	0.99999994
Snhg9	0.03819701	0.02760476	0.03371045	-0.0061057	0.88601601	0.99999994
Tcf20	0.068886	0.05347638	0.05958216	-0.0061058	0.75241877	0.99999994
Ambra1	0.04328172	0.03196339	0.03806954	-0.0061062	0.85715945	0.99999994
Cpeb3	0.02797491	0.01874713	0.02485753	-0.0061104	0.94910574	0.99999994
Dmap1	0.16266063	0.12511043	0.13122351	-0.0061131	0.62175293	0.99999994
Wdr90	0.03187718	0.02213817	0.02825134	-0.0061132	0.92511391	0.99999994
Tmem216	0.16557447	0.12715458	0.13326972	-0.0061151	0.61998071	0.99999994
Scnm1	0.19607638	0.14800307	0.15411898	-0.0061159	0.6041656	0.99999994
Ankib1	0.06130236	0.04716501	0.05328541	-0.0061204	0.77773127	0.99999994
Azi2	0.23436578	0.17274364	0.17887066	-0.006127	0.59017927	0.99999994
Mras	0.08801476	0.06906535	0.07519254	-0.0061272	0.70622991	0.99999994
Scd2	0.18510102	0.14060643	0.14673561	-0.0061292	0.60950839	0.99999994
Ubxn10	0.07648219	0.05969758	0.0658274	-0.0061298	0.73231781	0.99999994
Bdh1	0.03436199	0.02427033	0.03040321	-0.0061329	0.91031676	0.99999994
Supt7l	0.09750264	0.07666044	0.08279391	-0.0061335	0.6890329	0.99999994
Sgsm3	0.10024969	0.07883838	0.08497426	-0.0061359	0.68461624	0.99999994
Rab21	0.04302869	0.03171728	0.03785332	-0.006136	0.85970566	0.99999994
Stk40	0.07796659	0.06090422	0.06704065	-0.0061364	0.72882921	0.99999994
Gsk3a	0.09128756	0.07168537	0.07782503	-0.0061397	0.70025144	0.99999994
Sncb	0.02500561	0.01611936	0.02226325	-0.0061439	0.96688957	0.99999994

4932422M17	0.05820207	0.04454623	0.05069322	-0.006147	0.79020727	0.99999994
Ift52	0.20676669	0.15503798	0.16118537	-0.0061474	0.60019991	0.99999994
Rps6ka3	0.09340274	0.07336405	0.07952053	-0.0061565	0.69684055	0.99999994
Msl2	0.08582949	0.06727207	0.07342863	-0.0061566	0.71161081	0.99999994
Cdk5r2	0.03159945	0.02185228	0.02801038	-0.0061581	0.92832169	0.99999994
Ikbkb	0.11315908	0.08876698	0.09493127	-0.0061643	0.66721119	0.99999994
Cpsf3	0.25793769	0.18719517	0.19336113	-0.006166	0.58404798	0.99999994
AW209491	0.17783703	0.13560902	0.14177634	-0.0061673	0.6139212	0.99999994
Nudt16l1	0.48841571	0.30315689	0.30932783	-0.0061709	0.55282065	0.99999994
Mink1	0.04467904	0.0330911	0.03926233	-0.0061712	0.85227556	0.99999994
Khsrp	0.04877285	0.0365726	0.04274428	-0.0061717	0.83174521	0.99999994
Nacc1	0.07335663	0.05709091	0.06326515	-0.0061742	0.74202946	0.99999994
Ptpn6	0.12800675	0.0999514	0.10612633	-0.0061749	0.65073232	0.99999994
Igf1r	0.23251229	0.17152833	0.17770749	-0.0061792	0.59151798	0.99999994
2310022B05	0.46339873	0.29255478	0.2987373	-0.0061825	0.55478364	0.99999994
Mepce	0.07886707	0.06159205	0.06777551	-0.0061835	0.72817028	0.99999994
Dsp	0.08278236	0.06477449	0.07096076	-0.0061863	0.71914125	0.99999994
Trappc5	0.30176404	0.21268229	0.2188745	-0.0061922	0.57468553	0.99999994
Snx27	0.13396847	0.10435309	0.11054555	-0.0061925	0.64537764	0.99999994
Mapk8	0.12988138	0.10132662	0.10752069	-0.0061941	0.64931075	0.99999994
Trim25	0.06474803	0.04995884	0.05615409	-0.0061952	0.76863793	0.99999994
Ddx39b	1.20245365	0.42273813	0.42893762	-0.0061995	0.53832122	0.99999994
Ctnn	0.33951674	0.23324504	0.23944466	-0.0061996	0.56841652	0.99999994
Pcyox1	0.09245368	0.07255367	0.07876035	-0.0062067	0.70005258	0.99999994
Tkfc	0.08620367	0.06752433	0.07373101	-0.0062067	0.71237379	0.99999994
Serf1	0.74120275	0.38546173	0.39167163	-0.0062099	0.54202464	0.99999994
Ssx2ip	0.06467406	0.04987994	0.05609264	-0.0062127	0.76951284	0.99999994
Arhgef12	0.07689091	0.05993873	0.06616169	-0.006223	0.73436741	0.99999994
Vamp3	0.39583583	0.2616598	0.2678831	-0.0062233	0.56144606	0.99999994
Add1	0.23300369	0.17178924	0.1780162	-0.006227	0.59205636	0.99999994

Mon1a	0.06068464	0.04654226	0.05276976	-0.0062275	0.78392986	0.99999994
Rita1	0.10265449	0.08061738	0.08684498	-0.0062276	0.68343411	0.99999994
Sypl	0.39356824	0.26056019	0.2667878	-0.0062276	0.56173871	0.99999994
Thsd4	0.02436465	0.01546984	0.02170189	-0.0062321	0.97202866	0.99999994
Myo18a	0.08437317	0.06601511	0.07225037	-0.0062353	0.71716781	0.99999994
Zfp810	0.06106291	0.04685029	0.05308558	-0.0062353	0.78284504	0.99999994
Gp9	0.02817166	0.0187871	0.02502907	-0.006242	0.95154494	0.99999994
Atp1b3	0.20524025	0.15394154	0.16018377	-0.0062422	0.60233395	0.99999994
Inpp5a	0.03267811	0.02269401	0.02894573	-0.0062517	0.92473279	0.99999994
Gripap1	0.25863074	0.18752599	0.19377882	-0.0062528	0.58503318	0.99999994
Hibch	0.16806732	0.12875377	0.1350127	-0.0062589	0.62117788	0.99999994
Pgs1	0.16199432	0.12449012	0.13075424	-0.0062641	0.62509517	0.99999994
Igf2bp3	0.27403171	0.19667576	0.20294133	-0.0062656	0.58141196	0.99999994
Maea	0.33203588	0.22920142	0.23546818	-0.0062668	0.57030581	0.99999994
Zfp444	0.24581428	0.17971074	0.18597753	-0.0062668	0.58873651	0.99999994
Lrrc41	0.27338425	0.19629336	0.20256075	-0.0062674	0.5815863	0.99999994
Myo10	0.13209316	0.10289274	0.10916017	-0.0062674	0.64883399	0.99999994
Leng9	0.04867001	0.03638873	0.04265704	-0.0062683	0.83599491	0.99999994
Rere	0.28887528	0.20528583	0.21155839	-0.0062726	0.57822573	0.99999994
Trmt13	0.14408721	0.11167484	0.11794864	-0.0062738	0.63835223	0.99999994
Gprin1	0.03870533	0.02786575	0.03414755	-0.0062818	0.88961937	0.99999994
Ift57	0.31123238	0.21787019	0.22415231	-0.0062821	0.57399401	0.99999994
Arhgef3	0.02731558	0.01799961	0.02428236	-0.0062828	0.95748769	0.99999994
Btaf1	0.06043814	0.04627894	0.05256388	-0.0062849	0.78695076	0.99999994
Tsfm	0.32961567	0.227885	0.23417149	-0.0062865	0.5709112	0.99999994
Naa50	0.26678063	0.19236754	0.19865619	-0.0062887	0.58344455	0.99999994
Ddx31	0.04303641	0.03156578	0.03785991	-0.0062941	0.86576798	0.99999994
Eif4e3	0.24614552	0.17988679	0.18618121	-0.0062944	0.58902525	0.99999994
Sin3a	0.10947163	0.0858138	0.09210845	-0.0062946	0.67540654	0.99999994
Ofd1	0.10119445	0.0794154	0.08571007	-0.0062947	0.68752696	0.99999994

Zc3h10	0.08187858	0.06392959	0.07022692	-0.0062973	0.72470732	0.99999994
Gtf3c2	0.16208126	0.12451249	0.1308155	-0.006303	0.62578857	0.99999994
Pdik1l	0.0852032	0.06661428	0.07292218	-0.0063079	0.7176204	0.99999994
2700062C07I	0.13554758	0.10539782	0.11170885	-0.006311	0.64656146	0.99999994
Gabbr1	0.07259788	0.05632912	0.06264158	-0.0063125	0.74881611	0.99999994
Lrrc14	0.09248393	0.07247186	0.07878459	-0.0063127	0.70310471	0.99999994
Ddx18	0.31530068	0.22008203	0.22639558	-0.0063135	0.5736315	0.99999994
Fam177a	0.18521812	0.14049834	0.14681509	-0.0063167	0.61271059	0.99999994
Osbpl9	0.11454846	0.08967249	0.0959905	-0.006318	0.66934863	0.99999994
Limk2	0.16049747	0.12337756	0.12969808	-0.0063205	0.62717531	0.99999994
Kbtbd4	0.0870542	0.06809634	0.0744178	-0.0063215	0.71410848	0.99999994
Tmem168	0.06705435	0.05174425	0.05806701	-0.0063228	0.76571059	0.99999994
Tada3	0.21522065	0.16036345	0.16668669	-0.0063232	0.59967597	0.99999994
Ube3c	0.17142507	0.13102479	0.13734937	-0.0063246	0.62039105	0.99999994
Akr1b10	0.04156195	0.0302719	0.03659848	-0.0063266	0.87506123	0.99999994
Sgpl1	0.08738672	0.06835896	0.0746861	-0.0063271	0.71359002	0.99999994
Fbxo38	0.07374217	0.05725378	0.06358177	-0.006328	0.74616689	0.99999994
Ubr7	0.1142543	0.08943728	0.09576644	-0.0063292	0.67000091	0.99999994
Cdc73	0.19430815	0.14660554	0.15293845	-0.0063329	0.60858307	0.99999994
Ier3	0.05225491	0.03935801	0.04569116	-0.0063332	0.82189816	0.99999994
Vhl	0.12380974	0.09665583	0.10298918	-0.0063334	0.658853	0.99999994
Pogz	0.09320141	0.07302314	0.07935934	-0.0063362	0.70244866	0.99999994
Arfip1	0.18619026	0.14113586	0.14747428	-0.0063384	0.61259512	0.99999994
Trmt10b	0.09845702	0.07721063	0.08355344	-0.0063428	0.69332787	0.99999994
Pcdh1	0.0643029	0.04944055	0.05578422	-0.0063437	0.7754594	0.99999994
Itga6	0.08765935	0.0685616	0.074906	-0.0063444	0.71354832	0.99999994
Ppt1	0.14172995	0.1098871	0.11623482	-0.0063477	0.64188863	0.99999994
Shmt2	0.1276266	0.09949512	0.10584306	-0.0063479	0.65513255	0.99999994
Tigar	0.05958168	0.04549905	0.05184803	-0.006349	0.79249118	0.99999994
Mcrs1	0.30230322	0.21282055	0.21917718	-0.0063566	0.57653988	0.99999994

Maz	0.22625743	0.16739681	0.1737567	-0.0063599	0.59624432	0.99999994
Nupr1l	0.06709873	0.05174069	0.05810377	-0.0063631	0.7669849	0.99999994
Commd7	0.42306258	0.27436294	0.28072653	-0.0063636	0.55996803	0.99999994
Rad23b	0.63731527	0.35770775	0.3640756	-0.0063678	0.54634125	0.99999994
Surf1	0.21878112	0.16261255	0.16898141	-0.0063689	0.5990452	0.99999994
A430005L14l	0.32989596	0.227953	0.23432199	-0.006369	0.57178607	0.99999994
Zkscan1	0.2588442	0.18753641	0.19390738	-0.006371	0.58655786	0.99999994
Pag1	0.01866443	0.01031525	0.0166883	-0.006373	0.99448863	0.99999994
Ncoa6	0.08616429	0.06732423	0.07369919	-0.006375	0.71761572	0.99999994
Kcnip1	0.02031919	0.01176895	0.01814768	-0.0063787	0.99034896	0.99999994
Map3k7	0.07528526	0.05846588	0.06484741	-0.0063815	0.74377966	0.99999994
Ankra2	0.30026499	0.21164759	0.2180316	-0.006384	0.57726426	0.99999994
Pak4	0.18951077	0.14333216	0.14971814	-0.006386	0.61176253	0.99999994
Srbd1	0.05276097	0.03972899	0.04611833	-0.0063893	0.82178434	0.99999994
Cep350	0.09271859	0.07257743	0.07897263	-0.0063952	0.70506741	0.99999994
Tmem14a	0.06781123	0.05229742	0.05869354	-0.0063961	0.76588929	0.99999994
Tyw1	0.08767532	0.06851482	0.07491887	-0.0064041	0.71531656	0.99999994
Sox12	0.0603874	0.04611675	0.05252149	-0.0064047	0.79152128	0.99999994
Mark3	0.14141648	0.10960111	0.11600642	-0.0064053	0.64338872	0.99999994
Abca2	0.03608466	0.02548275	0.03189089	-0.0064081	0.90947438	0.99999994
Chrm3	0.02392597	0.01490883	0.02131741	-0.0064086	0.97730797	0.99999994
Brd1	0.09088732	0.07108992	0.07750369	-0.0064138	0.70912932	0.99999994
Erc2	0.02252599	0.01367062	0.0200889	-0.0064183	0.98327605	0.99999994
Klhl12	0.07107736	0.05497164	0.06139012	-0.0064185	0.7567661	0.99999994
Kif5c	0.07573942	0.05880031	0.06521944	-0.0064191	0.74381199	0.99999994
Zdhhc8	0.04471388	0.03287169	0.03929205	-0.0064204	0.86162624	0.99999994
Pik3r4	0.05453254	0.04119103	0.04761145	-0.0064204	0.81530387	0.99999994
Urm1	0.30943293	0.21673282	0.22315537	-0.0064225	0.57596209	0.99999994
Qpctl	0.13387548	0.10405158	0.11047695	-0.0064254	0.65067222	0.99999994
Scmh1	0.11521247	0.09007006	0.09649588	-0.0064258	0.67121044	0.99999994

Egln2	0.4814369	0.29998269	0.30641668	-0.006434	0.55557789	0.99999994
Chchd10	0.4800469	0.2993853	0.30583284	-0.0064475	0.5557998	0.99999994
Rac3	0.09736159	0.07623088	0.08268159	-0.0064507	0.69823126	0.99999994
Alkbh7	0.27920242	0.19951528	0.20596665	-0.0064514	0.58257799	0.99999994
H2-Q4	0.02933349	0.0195884	0.02604109	-0.0064527	0.9504642	0.99999994
Trip4	0.13871802	0.10757867	0.11403551	-0.0064568	0.64687279	0.99999994
Abhd18	0.11463264	0.08959646	0.09605459	-0.0064581	0.67275501	0.99999994
Arid4a	0.18494215	0.14016897	0.14662776	-0.0064588	0.61531745	0.99999994
Fance	0.06878298	0.0530345	0.05949704	-0.0064625	0.7651632	0.99999994
Aebp2	0.07015036	0.0541623	0.06062593	-0.0064636	0.76104468	0.99999994
Rtcb	0.5901027	0.34171435	0.34817822	-0.0064639	0.54917374	0.99999994
Xkr6	0.05014215	0.0374402	0.04390473	-0.0064645	0.83647717	0.99999994
Acadm	0.24888521	0.18139232	0.18786167	-0.0064693	0.59065233	0.99999994
Cbll1	0.1518111	0.1170413	0.12351773	-0.0064764	0.63646072	0.99999994
Plin3	0.20668684	0.15465584	0.16113304	-0.0064772	0.60548523	0.99999994
Mrpl16	0.21584369	0.16060482	0.16708919	-0.0064844	0.60191949	0.99999994
Wdr5	0.10574745	0.08275512	0.08924027	-0.0064852	0.68570845	0.99999994
Fam149b	0.05946932	0.04526607	0.05175405	-0.006488	0.79798731	0.99999994
Arid2	0.15698797	0.12071581	0.12721149	-0.0064957	0.63302925	0.99999994
Diaph1	0.14709609	0.11362611	0.12012656	-0.0065005	0.64065041	0.99999994
Tor1a	0.36951752	0.24841235	0.25491663	-0.0065043	0.56743166	0.99999994
Armcx4	0.04689736	0.03464652	0.04115143	-0.0065049	0.8536433	0.99999994
Nol8	0.10514694	0.08227042	0.08877616	-0.0065057	0.68715246	0.99999994
0610030E20I	0.09843706	0.07703052	0.08353757	-0.0065071	0.69794121	0.99999994
Emc9	0.20787996	0.15540705	0.16191416	-0.0065071	0.60546186	0.99999994
Ralgapa1	0.10200188	0.0798291	0.08633803	-0.0065089	0.69210147	0.99999994
Xiap	0.16153216	0.12391916	0.13042846	-0.0065093	0.63013056	0.99999994
5830454E08I	0.03324987	0.02292296	0.02944098	-0.006518	0.9297145	0.99999994
Abr	0.11148085	0.08712625	0.09364864	-0.0065224	0.67853237	0.99999994
Snip1	0.11638518	0.09086241	0.09738695	-0.0065245	0.67218326	0.99999994

Reep2	0.05345668	0.04017391	0.0467051	-0.0065312	0.82402606	0.99999994
Smg6	0.16697777	0.12771881	0.13425175	-0.0065329	0.62699732	0.99999994
Usp15	0.18728374	0.14168101	0.14821453	-0.0065335	0.61540033	0.99999994
Mbd6	0.09713181	0.07596405	0.08249854	-0.0065345	0.70098399	0.99999994
Aff4	0.29986776	0.21127273	0.21780791	-0.0065352	0.57914994	0.99999994
Fhdc1	0.03803947	0.02703972	0.03357492	-0.0065352	0.90244835	0.99999994
Nap1l4	0.65529616	0.36321177	0.36974795	-0.0065362	0.54683429	0.99999994
Htt	0.07418932	0.05741021	0.06394879	-0.0065386	0.75193559	0.99999994
Hscb	0.07722237	0.05989123	0.06643267	-0.0065414	0.74390551	0.99999994
Rrp36	0.09717611	0.07599152	0.08253384	-0.0065423	0.70112472	0.99999994
Cul5	0.35255697	0.23971889	0.24626233	-0.0065434	0.57019324	0.99999994
Tradd	0.12157266	0.09476285	0.10130829	-0.0065454	0.66642448	0.99999994
Srgap1	0.05116697	0.03822445	0.04477189	-0.0065474	0.83482909	0.99999994
Epb41l4a	0.07337595	0.05673262	0.06328102	-0.0065484	0.7545282	0.99999994
Fsd1l	0.06160683	0.0469895	0.05353942	-0.0065499	0.79227135	0.99999994
Arpin	0.10661973	0.08336339	0.08991361	-0.0065502	0.68613229	0.99999994
Yars	0.18442196	0.13972312	0.14627445	-0.0065513	0.61719587	0.99999994
Phf21b	0.0496471	0.03693333	0.04348543	-0.0065521	0.84205435	0.99999994
Nqo2	0.07888494	0.06123468	0.06779008	-0.0065554	0.74010841	0.99999994
Prss36	0.04684288	0.03454814	0.04110511	-0.006557	0.85583736	0.99999994
Sh3glb2	0.24858706	0.18111958	0.18767915	-0.0065596	0.59198191	0.99999994
Hddc3	0.23442791	0.17234832	0.17890959	-0.0065613	0.59642828	0.99999994
Rnf19b	0.03337401	0.02298647	0.02954846	-0.006562	0.9303247	0.99999994
Map6	0.03968085	0.02841884	0.03498557	-0.0065667	0.89423829	0.99999994
Mfap1b	0.16538507	0.12656503	0.13313701	-0.006572	0.62876133	0.99999994
Fahd2a	0.17767655	0.13509289	0.14166612	-0.0065732	0.62128274	0.99999994
Parp8	0.04035773	0.02899045	0.03556641	-0.006576	0.89078409	0.99999994
Cuta	0.79632906	0.39625136	0.40282734	-0.006576	0.5432648	0.99999994
Zcchc8	0.10111561	0.07907257	0.08564871	-0.0065761	0.69535166	0.99999994
Tbc1d14	0.05082123	0.03789679	0.04447947	-0.0065827	0.83771227	0.99999994

Cdk14	0.10442071	0.081627	0.08821428	-0.0065873	0.69042462	0.99999994
Pip4k2c	0.12710637	0.09886691	0.10545512	-0.0065882	0.66124002	0.99999994
Zfpl1	0.22603476	0.16702601	0.17361532	-0.0065893	0.59972378	0.99999994
Gstm4	0.08983987	0.07007163	0.07666194	-0.0065903	0.71641327	0.99999994
Atxn7	0.07025609	0.05412258	0.06071314	-0.0065906	0.76502608	0.99999994
Htatsf1	0.24108147	0.17646484	0.18305564	-0.0065908	0.59470236	0.99999994
Ppp2r5a	0.12055794	0.09394886	0.10054383	-0.006595	0.66880304	0.99999994
Asah1	0.41522071	0.27048935	0.27708507	-0.0065957	0.56294793	0.99999994
Vamp4	0.31430438	0.21925179	0.22584772	-0.0065959	0.57706874	0.99999994
Kat2b	0.06448325	0.04933638	0.0559341	-0.0065977	0.78381795	0.99999994
Ei24	0.51753869	0.31452173	0.32112378	-0.006602	0.55442506	0.99999994
Pknox1	0.07971912	0.06186774	0.06847006	-0.0066023	0.73951433	0.99999994
Map3k2	0.11946612	0.0931167	0.09971989	-0.0066032	0.67030908	0.99999994
Pitrm1	0.05259607	0.03937047	0.04597917	-0.0066087	0.83064941	0.99999994
Mccc2	0.0972228	0.07596062	0.08257104	-0.0066104	0.70294528	0.99999994
Tmem102	0.05241792	0.03921835	0.0458288	-0.0066104	0.83150461	0.99999994
Sdcbp2	0.04647791	0.03417917	0.04079466	-0.0066155	0.85980253	0.99999994
Arhgef17	0.09483231	0.07404824	0.08066386	-0.0066156	0.70743905	0.99999994
Nfkbil1	0.14417809	0.11139848	0.11801458	-0.0066161	0.64548795	0.99999994
Glce	0.05848819	0.04431542	0.05093289	-0.0066175	0.80643383	0.99999994
Slc25a25	0.06864253	0.05275592	0.05938097	-0.006625	0.77115003	0.99999994
Fuca2	0.06394127	0.04885597	0.05548358	-0.0066276	0.78672613	0.99999994
Nf1	0.10143321	0.07926737	0.08589585	-0.0066285	0.69625641	0.99999994
Nup88	0.27616965	0.19756382	0.20419523	-0.0066314	0.58557266	0.99999994
Wdr77	0.22182706	0.16429997	0.17093418	-0.0066342	0.60192902	0.99999994
Bbs2	0.05642587	0.04256574	0.04920337	-0.0066376	0.81539562	0.99999994
Zfr	0.66181775	0.36510021	0.37173964	-0.0066394	0.54731694	0.99999994
Csde1	0.61514651	0.35014094	0.35678059	-0.0066397	0.54929256	0.99999994
Ears2	0.08152953	0.06330058	0.06994328	-0.0066427	0.73636281	0.99999994
Wdr26	0.28772544	0.20425343	0.21089833	-0.0066449	0.5830591	0.99999994

Zc3h4	0.04025502	0.02883294	0.0354783	-0.0066454	0.89376224	0.99999994
Hcfc1	0.15861406	0.1217119	0.12836537	-0.0066535	0.63495834	0.99999994
Dusp18	0.18678094	0.14121891	0.14787431	-0.0066554	0.61775273	0.99999994
Sfswap	0.15725965	0.12074874	0.12740449	-0.0066558	0.63598058	0.99999994
Thrap3	0.61283535	0.34934605	0.35600299	-0.0066569	0.54952758	0.99999994
Pwp1	0.10236696	0.07996357	0.08662169	-0.0066581	0.69554737	0.99999994
Cenpv	0.05822628	0.04405517	0.0507135	-0.0066583	0.8089228	0.99999994
Arfgef2	0.03953471	0.02820117	0.03486009	-0.0066589	0.89822246	0.99999994
Zc3h7b	0.10560884	0.08247332	0.08913318	-0.0066599	0.69052901	0.99999994
Fam117a	0.06261767	0.04771371	0.05438199	-0.0066683	0.79280648	0.99999994
Phf8	0.09001851	0.07013392	0.07680558	-0.0066717	0.7184352	0.99999994
Nsf	0.16660557	0.12731883	0.1339915	-0.0066727	0.62985951	0.99999994
Svil	0.18857729	0.14241565	0.14908854	-0.0066729	0.61711968	0.99999994
Pkd1	0.04876634	0.03606521	0.04273876	-0.0066736	0.85068465	0.99999994
Uvrag	0.05780638	0.0436879	0.05036162	-0.0066737	0.81113149	0.99999994
Tmem141	0.13250409	0.10279	0.10946409	-0.0066741	0.65757086	0.99999994
Gmpr2	0.15087158	0.11616511	0.12284406	-0.006679	0.64128729	0.99999994
Pex26	0.06056589	0.04599042	0.05267059	-0.0066802	0.80072708	0.99999994
Mapk6	0.11266574	0.08787332	0.09455458	-0.0066813	0.6809442	0.99999994
Gid4	0.08194697	0.06359943	0.07028249	-0.0066831	0.73661465	0.99999994
Pes1	0.15787974	0.12115919	0.12784467	-0.0066855	0.63611228	0.99999994
Shprh	0.08429466	0.06550089	0.07218678	-0.0066859	0.73122019	0.99999994
Stxbp3	0.13420383	0.10403199	0.11071912	-0.0066871	0.65616739	0.99999994
Cnm2	0.04709905	0.03463406	0.04132291	-0.0066889	0.85936049	0.99999994
2210016L21F	0.46273209	0.29175912	0.29844912	-0.00669	0.55930524	0.99999994
Mast3	0.09063584	0.07061096	0.0773017	-0.0066907	0.71773672	0.99999994
Arrdc3	0.14652767	0.11301218	0.11971599	-0.0067038	0.64532903	0.99999994
Lig3	0.06386124	0.04870702	0.05541703	-0.00671	0.78986853	0.99999994
Oard1	0.36758845	0.24723	0.25394425	-0.0067142	0.56985033	0.99999994
Dym	0.05452873	0.04089305	0.04760824	-0.0067152	0.82610538	0.99999994

Trpm4	0.04114518	0.02952175	0.03624147	-0.0067197	0.89143411	0.99999994
Sgsm2	0.04339818	0.03144518	0.03816904	-0.0067239	0.87951877	0.99999994
1600020E01f	0.16192371	0.1239805	0.13070448	-0.006724	0.63398671	0.99999994
Pdia2	0.03159026	0.02127543	0.02800241	-0.006727	0.94509503	0.99999994
Tacc1	0.08034601	0.06225266	0.06898058	-0.0067279	0.74190139	0.99999994
Thap2	0.11441029	0.089157	0.09588527	-0.0067283	0.6797774	0.99999994
Axin1	0.04501489	0.0328202	0.03954869	-0.0067285	0.8712791	0.99999994
Cmtm4	0.19618408	0.14746171	0.15419077	-0.0067291	0.61427973	0.99999994
Man2c1	0.10206512	0.07965595	0.08638718	-0.0067312	0.69800067	0.99999994
Wdr13	0.09578426	0.07468068	0.08142404	-0.0067434	0.709274	0.99999994
Gatad2b	0.37418113	0.25051081	0.25725515	-0.0067443	0.56926637	0.99999994
Brox	0.14778071	0.11387065	0.12062056	-0.0067499	0.64523569	0.99999994
Galnt14	0.02008677	0.01119208	0.0179429	-0.0067508	0.99386673	0.99999994
Asphd1	0.03956733	0.028134	0.03488811	-0.0067541	0.90123611	0.99999994
Mboat7	0.1692701	0.12909687	0.13585117	-0.0067543	0.6296563	0.99999994
Invs	0.07014674	0.05386819	0.06062294	-0.0067548	0.77085559	0.99999994
Adipor2	0.14968297	0.11523553	0.12199032	-0.0067548	0.64377678	0.99999994
Ap4s1	0.12768802	0.09913236	0.10588883	-0.0067565	0.66448092	0.99999994
Hdac5	0.10676168	0.08326651	0.0900231	-0.0067566	0.69131672	0.99999994
R3hdm4	0.45951145	0.29028869	0.29705258	-0.0067639	0.56023506	0.99999994
Gpr107	0.15781426	0.12103375	0.12779821	-0.0067645	0.63770321	0.99999994
Scyl2	0.08302056	0.0643881	0.07115403	-0.0067659	0.73661436	0.99999994
Smurf2	0.06260575	0.04760514	0.05437206	-0.0067669	0.79628448	0.99999994
Zbtb11os1	0.05257291	0.0391907	0.04595962	-0.0067689	0.8365423	0.99999994
Ube2h	0.10669543	0.08319992	0.08997201	-0.0067721	0.69182002	0.99999994
Fuom	0.26926816	0.19335438	0.20013211	-0.0067777	0.58917611	0.99999994
Mrps7	0.4499144	0.28606851	0.2928474	-0.0067789	0.56122771	0.99999994
Gapvd1	0.23116183	0.17007762	0.17685783	-0.0067802	0.60070998	0.99999994
Ahcyl1	0.27246079	0.19523582	0.20201726	-0.0067814	0.58840539	0.99999994
Cactin	0.10526702	0.08208744	0.088869	-0.0067816	0.6942539	0.99999994

Dcaf5	0.07959242	0.06158304	0.06836683	-0.0067838	0.74552881	0.99999994
Itsn2	0.10126227	0.07897901	0.08576285	-0.0067838	0.70073573	0.99999994
B9d1	0.70988629	0.37779457	0.38457892	-0.0067844	0.54673827	0.99999994
Epc1	0.1364933	0.10561378	0.11240413	-0.0067903	0.6561989	0.99999994
Eri1	0.12512297	0.0971806	0.10397308	-0.0067925	0.66816611	0.99999994
Esyt2	0.06088535	0.04614177	0.05293735	-0.0067956	0.8035802	0.99999994
Senp5	0.08931942	0.06944526	0.07624327	-0.006798	0.7235748	0.99999994
Rbm27	0.23416542	0.1719457	0.17874509	-0.0067994	0.59994515	0.99999994
Wdr11	0.05021878	0.03716923	0.04396962	-0.0068004	0.84837258	0.99999994
Psd	0.04555562	0.03320843	0.04000948	-0.0068011	0.87107524	0.99999994
Usp34	0.41581712	0.27056055	0.27736362	-0.0068031	0.56484498	0.99999994
Letm1	0.24965702	0.18152412	0.18833375	-0.0068096	0.59509677	0.99999994
C1qtnf6	0.23582421	0.17296186	0.17978349	-0.0068216	0.59969825	0.99999994
Ltn1	0.08091671	0.06262316	0.06944498	-0.0068218	0.74340459	0.99999994
Api5	0.1703926	0.12980994	0.13663222	-0.0068223	0.63019255	0.99999994
Lmo7	0.0598671	0.04526144	0.05208668	-0.0068252	0.8084567	0.99999994
Akap13	0.15345997	0.11787211	0.12469756	-0.0068255	0.64219902	0.99999994
Wls	0.29576727	0.20866124	0.21548953	-0.0068283	0.58352603	0.99999994
B230354K17	0.06750002	0.05160575	0.058436	-0.0068303	0.78172267	0.99999994
Prpf18	0.10182206	0.07936519	0.08619826	-0.0068331	0.7011322	0.99999994
Sp1	0.06024355	0.04556357	0.05240131	-0.0068377	0.80745998	0.99999994
Slc2a1	0.05744348	0.0432171	0.05005735	-0.0068403	0.81847795	0.99999994
Cd2ap	0.23119947	0.17004086	0.17688153	-0.0068407	0.60157511	0.99999994
Setdb1	0.09146664	0.07112308	0.07796876	-0.0068457	0.72053454	0.99999994
Gabpb2	0.0982629	0.07655233	0.08339903	-0.0068467	0.70762469	0.99999994
Rai1	0.07100774	0.05447844	0.06133276	-0.0068543	0.77152834	0.99999994
Msl1	0.30509659	0.21388318	0.22074118	-0.006858	0.58191697	0.99999994
Clcc1	0.11464612	0.08920339	0.09606486	-0.0068615	0.68276064	0.99999994
Tram1	0.81383718	0.39909504	0.40595694	-0.0068619	0.5447915	0.99999994
Dr1	0.0998751	0.07781366	0.08468029	-0.0068666	0.70531776	0.99999994

Thumpd3	0.20834348	0.15534906	0.16221718	-0.0068681	0.61096064	0.99999994
Adsl	0.16904609	0.12882611	0.13569513	-0.006869	0.63192315	0.99999994
Slc27a4	0.09971389	0.07768192	0.08455229	-0.0068704	0.70570086	0.99999994
Ndufaf5	0.07057298	0.05410153	0.06097444	-0.0068729	0.77346013	0.99999994
Ppp1r37	0.31879024	0.22143249	0.22830743	-0.0068749	0.57943203	0.99999994
Optn	0.05989247	0.04523234	0.05210789	-0.0068756	0.81010834	0.99999994
Ccdc25	0.29991518	0.21095822	0.21783461	-0.0068764	0.58321361	0.99999994
Gak	0.0736819	0.05665543	0.06353229	-0.0068769	0.76439053	0.99999994
Dpcd	0.49637752	0.30573112	0.31260842	-0.0068773	0.55821222	0.99999994
Fcer1g	0.04450207	0.03222817	0.03911139	-0.0068832	0.87929181	0.99999994
Epb41l4b	0.04396962	0.03177214	0.03865703	-0.0068849	0.88209194	0.99999994
Aftph	0.13940222	0.10764776	0.11453605	-0.0068883	0.65553917	0.99999994
Hcfc2	0.11284025	0.08779657	0.09468787	-0.0068913	0.68596464	0.99999994
Nlk	0.12174051	0.09454077	0.10143462	-0.0068939	0.67450573	0.99999994
Mfsd1	0.1126884	0.08767572	0.0945719	-0.0068962	0.68629706	0.99999994
Ddt	0.31520902	0.21944654	0.22634522	-0.0068987	0.58038412	0.99999994
Mrpl46	0.3504357	0.23826296	0.24516313	-0.0069002	0.57430484	0.99999994
Eaf1	0.06724207	0.05131894	0.05822246	-0.0069035	0.78501835	0.99999994
Sos1	0.07396753	0.05686313	0.06376677	-0.0069036	0.76443526	0.99999994
Tlk2	0.16566218	0.12642361	0.13333117	-0.0069076	0.63489616	0.99999994
Kat6a	0.09026284	0.07008892	0.07700198	-0.0069131	0.72494412	0.99999994
Lpcat1	0.07668125	0.05907707	0.06599024	-0.0069132	0.7571997	0.99999994
Gm26670	0.04202078	0.03007467	0.03699128	-0.0069166	0.89336105	0.99999994
Dpp8	0.05869489	0.0441886	0.05110597	-0.0069174	0.81619553	0.99999994
Tbc1d7	0.17209182	0.13089157	0.13781187	-0.0069203	0.63090558	0.99999994
Cab39	0.14812414	0.11394117	0.12086817	-0.006927	0.64857583	0.99999994
Tmem63a	0.0839014	0.06493978	0.07186819	-0.0069284	0.73946657	0.99999994
Rubcn	0.0496932	0.03659551	0.04352449	-0.006929	0.85535352	0.99999994
Fbxo8	0.15412551	0.11824074	0.1251729	-0.0069322	0.64379948	0.99999994
Bst2	0.04851174	0.03559011	0.04252276	-0.0069326	0.86108591	0.99999994

Rsph1	0.07292059	0.05597324	0.06290687	-0.0069336	0.76842427	0.99999994
Slc9a8	0.06605101	0.05030104	0.05723552	-0.0069345	0.79001248	0.99999994
C3	0.01728175	0.00853171	0.01546638	-0.0069347	0.99857987	0.99999994
Mettl17	0.07930154	0.06119109	0.06812976	-0.0069387	0.75108769	0.99999994
Msl3l2	0.06223781	0.04711876	0.05406549	-0.0069467	0.80379576	0.99999994
Tmem161a	0.20561116	0.15347916	0.16042737	-0.0069482	0.61343807	0.99999994
Cux1	0.22444745	0.16565732	0.17260606	-0.0069487	0.60563886	0.99999994
Thap7	0.22053925	0.16315975	0.17010972	-0.00695	0.60717015	0.99999994
Ppfia1	0.1102843	0.08578044	0.09273201	-0.0069516	0.69110608	0.99999994
Zfp148	0.28419452	0.20191173	0.20886385	-0.0069521	0.58767174	0.99999994
Commd4	0.38137781	0.25387402	0.26082856	-0.0069545	0.57043435	0.99999994
Cfap43	0.02161636	0.01233342	0.01928944	-0.006956	0.99181072	0.99999994
Anks1	0.04184296	0.02988088	0.03683908	-0.0069582	0.89566994	0.99999994
Pih1d1	0.19692931	0.14772605	0.15468723	-0.0069612	0.61773864	0.99999994
Plekhg3	0.04553458	0.03303006	0.03999156	-0.0069615	0.87671057	0.99999994
3110009E18I	0.0632513	0.0479383	0.05490957	-0.0069713	0.80096843	0.99999994
Mlh3	0.05465283	0.04073674	0.04771271	-0.006976	0.83477586	0.99999994
Lss	0.04017704	0.02843393	0.03541141	-0.0069775	0.9051677	0.99999994
Wdr24	0.04362855	0.03138795	0.03836581	-0.0069779	0.88698309	0.99999994
Ankrd13a	0.08177002	0.06315623	0.07013872	-0.0069825	0.74622487	0.99999994
Slc30a6	0.07983968	0.06158265	0.06856827	-0.0069856	0.75115795	0.99999994
Fnip1	0.07198729	0.0551517	0.06213933	-0.0069876	0.77292492	0.99999994
Trim8	0.10734956	0.08348784	0.09047627	-0.0069884	0.69642301	0.99999994
Ap1m1	0.28728205	0.20364993	0.21064348	-0.0069936	0.58745266	0.99999994
Tmem19	0.1006401	0.07828237	0.08527846	-0.0069961	0.70749303	0.99999994
Mdm1	0.158416	0.12122854	0.12822499	-0.0069965	0.64177108	0.99999994
Glb1l2	0.08430061	0.06519004	0.0721916	-0.0070016	0.74072169	0.99999994
Gpn2	0.07430971	0.05704569	0.06404756	-0.0070019	0.76659925	0.99999994
Pdha1	0.2441291	0.1779352	0.18493968	-0.0070045	0.59952031	0.99999994
Osbpl11	0.051955	0.03843297	0.04543788	-0.0070049	0.84759512	0.99999994

Osbpl2	0.17462558	0.13255839	0.13956491	-0.0070065	0.63087306	0.99999994
Ucp2	0.40252745	0.26408278	0.27109243	-0.0070097	0.56832597	0.99999994
Fbxw11	0.10255975	0.07976171	0.08677142	-0.0070097	0.70461644	0.99999994
Spock2	0.2941402	0.2075548	0.21456534	-0.0070105	0.5860846	0.99999994
Gm2a	0.07672523	0.05900959	0.06602621	-0.0070166	0.76033249	0.99999994
Cnot10	0.12047862	0.09346726	0.10048403	-0.0070168	0.67896666	0.99999994
Trub2	0.09401455	0.07299256	0.08001009	-0.0070175	0.7203281	0.99999994
Fam193a	0.13409525	0.10361481	0.11063906	-0.0070242	0.66370595	0.99999994
Phf1	0.09421613	0.07314429	0.08017131	-0.007027	0.72019824	0.99999994
Zbtb14	0.08155861	0.06293398	0.06996691	-0.0070329	0.74827891	0.99999994
Rbck1	0.21039412	0.15652036	0.16355506	-0.0070347	0.61267494	0.99999994
Zfp512b	0.06656632	0.05061276	0.05766271	-0.00705	0.79212563	0.99999994
Glb1	0.1231492	0.09544317	0.1024935	-0.0070503	0.67647999	0.99999994
Gnat2	0.01638546	0.00762105	0.01467309	-0.007052	0.99931075	0.99999994
Ppih	0.22979777	0.16894566	0.17599775	-0.0070521	0.60515562	0.99999994
Tmf1	0.17945066	0.13582842	0.142883	-0.0070546	0.6287881	0.99999994
Mtfr1l	0.38732202	0.25669334	0.26374901	-0.0070557	0.5706649	0.99999994
Anapc1	0.08590088	0.06641891	0.07348633	-0.0070674	0.73896701	0.99999994
Tm7sf3	0.14732558	0.11322351	0.12029221	-0.0070687	0.65215539	0.99999994
Vwa5a	0.0570804	0.04266309	0.04975279	-0.0070897	0.82856793	0.99999994
Zswim8	0.11384913	0.08836665	0.09545765	-0.007091	0.68951021	0.99999994
Baz2b	0.43186129	0.27765168	0.28475641	-0.0071047	0.56595204	0.99999994
Gmpr	0.10531454	0.0817992	0.08890574	-0.0071065	0.70265951	0.99999994
Tom1l2	0.04424157	0.03176769	0.03888913	-0.0071214	0.8885633	0.99999994
Slc7a2	0.25266603	0.18304494	0.19016872	-0.0071238	0.59845468	0.99999994
Pitpna	0.25884586	0.18678284	0.19390838	-0.0071255	0.59661727	0.99999994
Tnip1	0.10778783	0.08368346	0.09081382	-0.0071304	0.69938484	0.99999994
Zfp64	0.12144277	0.09407526	0.1012105	-0.0071352	0.68056046	0.99999994
Arhgap12	0.08505578	0.06566709	0.07280292	-0.0071358	0.74293719	0.99999994
Rptor	0.0560908	0.04178576	0.04892193	-0.0071362	0.83421448	0.99999994

Emc1	0.0668988	0.05080144	0.05793818	-0.0071367	0.79386926	0.99999994
Dnal4	0.22207119	0.16395186	0.17109029	-0.0071384	0.60938807	0.99999994
Chtop	0.49141147	0.30342709	0.31056708	-0.00714	0.56081301	0.99999994
Zdhhc17	0.05751998	0.04297954	0.0501215	-0.007142	0.8285584	0.99999994
Mob1a	0.0892186	0.0690183	0.07616214	-0.0071438	0.73380176	0.99999994
Mdm4	0.15442015	0.11823907	0.12538317	-0.0071441	0.64775509	0.99999994
Paf1	0.16724013	0.12728682	0.13443511	-0.0071483	0.63830684	0.99999994
Bag5	0.21509658	0.15945655	0.1666065	-0.0071499	0.61243019	0.99999994
Zfp207	0.81521824	0.39904556	0.40619621	-0.0071507	0.54664054	0.99999994
Senp3	0.13367056	0.1031731	0.11032575	-0.0071526	0.66696405	0.99999994
Cs	0.2084637	0.15513951	0.16229574	-0.0071562	0.61543151	0.99999994
1500026H17	0.07613508	0.05838603	0.06554337	-0.0071573	0.76634844	0.99999994
Brd2	0.42705067	0.27540195	0.28256008	-0.0071581	0.56695476	0.99999994
Ubr2	0.13995087	0.10776962	0.11493703	-0.0071674	0.66096084	0.99999994
Tspyl5	0.0642197	0.04854693	0.05571507	-0.0071681	0.80410824	0.99999994
Il3ra	0.08665121	0.06692346	0.07409249	-0.007169	0.74023008	0.99999994
Ak1	0.27726374	0.1976645	0.20483527	-0.0071708	0.59212792	0.99999994
Btbd9	0.17639459	0.13361132	0.14078463	-0.0071733	0.6327542	0.99999994
Phax	0.50418845	0.30861213	0.31578588	-0.0071738	0.56009633	0.99999994
Dimt1	0.12336506	0.09548079	0.10265555	-0.0071748	0.67911433	0.99999994
Tmem87a	0.12096868	0.0936784	0.10085342	-0.007175	0.68209081	0.99999994
Tmem127	0.07872561	0.06048271	0.06766012	-0.0071774	0.75993984	0.99999994
Ppp1r9b	0.06846221	0.05205047	0.05923192	-0.0071815	0.79017722	0.99999994
Wdr70	0.0967111	0.07498108	0.08216328	-0.0071822	0.71966858	0.99999994
Odf2	0.14940181	0.11460523	0.12178813	-0.0071829	0.6526861	0.99999994
Insig2	0.41419161	0.2694207	0.27660381	-0.0071831	0.56861873	0.99999994
Gga1	0.18955125	0.14256129	0.14974542	-0.0071841	0.62526686	0.99999994
Furin	0.0869625	0.06715894	0.07434379	-0.0071848	0.73998325	0.99999994
Bin3	0.17833996	0.13493658	0.14212157	-0.007185	0.63175829	0.99999994
Dlg4	0.06077858	0.04565849	0.05284821	-0.0071897	0.81741628	0.99999994

Cox16	0.06704293	0.05086432	0.05805756	-0.0071932	0.79523258	0.99999994
Mthfsd	0.18579763	0.1400134	0.14720817	-0.0071948	0.62753364	0.99999994
Arpc2	1.42660264	0.40897278	0.41616765	-0.0071949	0.54580824	0.99999994
Mtmr3	0.08054327	0.06194563	0.06914114	-0.0071955	0.7557591	0.99999994
Trim37	0.13327932	0.10283542	0.11003693	-0.0072015	0.66844874	0.99999994
C2cd4a	0.06211978	0.04676363	0.05396712	-0.0072035	0.81286032	0.99999994
Fam8a1	0.07497608	0.05738657	0.06459403	-0.0072075	0.77117497	0.99999994
Mpg	0.1814832	0.1370636	0.14427288	-0.0072093	0.63028826	0.99999994
Xk	0.02570474	0.01566539	0.02287501	-0.0072096	0.98204363	0.99999994
Tk2	0.06719597	0.05097099	0.05818429	-0.0072133	0.79537396	0.99999994
Ranbp9	0.08977659	0.06939364	0.07661105	-0.0072174	0.73469821	0.99999994
Xrn1	0.16679828	0.12690636	0.13412627	-0.0072199	0.63994292	0.99999994
Mon2	0.05626612	0.04184921	0.04906921	-0.00722	0.83631131	0.99999994
Ubr1	0.13534626	0.10433669	0.11156071	-0.007224	0.66677556	0.99999994
Snx11	0.06503498	0.04916704	0.05639241	-0.0072254	0.80313075	0.99999994
Fubp3	0.18221661	0.13754226	0.14477329	-0.007231	0.63023162	0.99999994
Ganc	0.06402808	0.04831701	0.05555577	-0.0072388	0.80711223	0.99999994
Vps13b	0.06125326	0.04600515	0.05324444	-0.0072393	0.81727261	0.99999994
Cdr2	0.0308111	0.02008521	0.02732592	-0.0072407	0.96111501	0.99999994
Tsr1	0.08927119	0.06896204	0.07620446	-0.0072424	0.73650769	0.99999994
Kat6b	0.08854713	0.06837062	0.0756215	-0.0072509	0.73834022	0.99999994
Cc2d1a	0.07997322	0.06141805	0.06867704	-0.007259	0.75914661	0.99999994
Adck2	0.07074954	0.05386093	0.06111998	-0.007259	0.78539867	0.99999994
Bcdin3d	0.1092615	0.08466878	0.09194707	-0.0072783	0.70086841	0.99999994
Ksr2	0.0475201	0.03440062	0.04168077	-0.0072801	0.87750976	0.99999994
Nceh1	0.0301762	0.01949261	0.02677416	-0.0072816	0.96487347	0.99999994
Bri3bp	0.19377896	0.14529823	0.1525845	-0.0072863	0.62470316	0.99999994
Mroh7	0.01870124	0.00943104	0.0167208	-0.0072898	0.99814587	0.99999994
Ndufaf4	0.23594483	0.17256664	0.17985889	-0.0072923	0.60637269	0.99999994
Gck	0.50308749	0.30804707	0.31534058	-0.0072935	0.56117733	0.99999994

Snx4	0.44470965	0.28324302	0.29053898	-0.007296	0.56637522	0.99999994
Gnaz	0.25005011	0.18127609	0.18857397	-0.0072979	0.60164347	0.99999994
Nf2	0.0814452	0.0625761	0.06987473	-0.0072986	0.75655924	0.99999994
Pycrl	0.37299431	0.24936295	0.25666167	-0.0072987	0.57506628	0.99999994
Angptl6	0.05032233	0.03675194	0.04405728	-0.0073053	0.86514284	0.99999994
St6galnac5	0.03926821	0.02732516	0.03463122	-0.0073061	0.9198816	0.99999994
Xrcc6	0.1065152	0.08252689	0.08983297	-0.0073061	0.70586991	0.99999994
Plekha6	0.08716127	0.06719629	0.07450421	-0.0073079	0.74309085	0.99999994
Zcchc2	0.04961201	0.03614714	0.0434557	-0.0073086	0.86853539	0.99999994
Ccar2	0.08681485	0.06690993	0.07422461	-0.0073147	0.7440781	0.99999994
Trak1	0.06849682	0.05193907	0.05926053	-0.0073215	0.79456755	0.99999994
Slc25a12	0.05140821	0.03765019	0.04497584	-0.0073257	0.86085873	0.99999994
Aco1	0.06961155	0.05285419	0.06018134	-0.0073272	0.79115053	0.99999994
Kirrel3os	0.02613809	0.01592215	0.02325391	-0.0073318	0.98207794	0.99999994
Cpb1	0.08316938	0.06394249	0.07127475	-0.0073323	0.75325252	0.99999994
Pik3r2	0.13146702	0.1013641	0.10869667	-0.0073326	0.67329546	0.99999994
Bcs1l	0.07209845	0.05489718	0.0622308	-0.0073336	0.78360373	0.99999994
Herpud2	0.08571972	0.06600263	0.07333989	-0.0073373	0.74727287	0.99999994
Ufsp1	0.06629152	0.05009303	0.05743494	-0.0073419	0.80258251	0.99999994
Cyb561d2	0.14550942	0.11163727	0.11897949	-0.0073422	0.65937709	0.99999994
Ankfy1	0.07672638	0.05868256	0.06602715	-0.0073446	0.77047921	0.99999994
Dgcr2	0.12776844	0.09860108	0.10594877	-0.0073477	0.67782572	0.99999994
Abhd16a	0.41789633	0.27098243	0.27833267	-0.0073502	0.56976732	0.99999994
Aptx	0.20298111	0.15134557	0.1586969	-0.0073513	0.62108923	0.99999994
Abcd3	0.40729112	0.26600349	0.27335638	-0.0073529	0.57104935	0.99999994
Csf2ra	0.0907592	0.07004499	0.0774008	-0.0073558	0.736499	0.99999994
Csnk1d	0.33772285	0.23113947	0.23849541	-0.0073559	0.58133215	0.99999994
Lifr	0.04785906	0.03461103	0.04196869	-0.0073577	0.87838416	0.99999994
Sh3gl2	0.06046877	0.04523066	0.05258947	-0.0073588	0.82418181	0.99999994
Crcp	0.19890868	0.14863975	0.15600296	-0.0073632	0.62330571	0.99999994

Kmt2b	0.08348618	0.06416318	0.07153165	-0.0073685	0.75353954	0.99999994
Nudt19	0.14411133	0.11058969	0.11796614	-0.0073764	0.66137669	0.99999994
Slc16a9	0.06842567	0.05180636	0.05920171	-0.0073954	0.79715381	0.99999994
Iqgap2	0.16922386	0.12842204	0.13581896	-0.0073969	0.64151675	0.99999994
Tsc22d2	0.1022335	0.07911831	0.08651802	-0.0073997	0.71542535	0.99999994
Rassf10	0.04420707	0.03145914	0.0388597	-0.0074006	0.89753958	0.99999994
Golga7	0.48878601	0.30207631	0.30948133	-0.007405	0.56327114	0.99999994
Ubr5	0.15613704	0.11920003	0.12660646	-0.0074064	0.65150763	0.99999994
Pmm2	0.1809686	0.13651432	0.14392143	-0.0074071	0.63404206	0.99999994
Ncstn	0.30194472	0.21156817	0.21897596	-0.0074078	0.58908022	0.99999994
Pfkm	0.06630066	0.05003397	0.05744251	-0.0074085	0.80468949	0.99999994
Pip5k1c	0.05212116	0.03816774	0.04557822	-0.0074105	0.86042806	0.99999994
Cc2d1b	0.07631574	0.05827862	0.06569121	-0.0074126	0.77370449	0.99999994
BC005624	0.4160292	0.27004957	0.27746261	-0.007413	0.57057556	0.99999994
Oxld1	0.06672465	0.0503806	0.05779391	-0.0074133	0.80339783	0.99999994
Ckmt1	0.13617595	0.10475563	0.11217094	-0.0074153	0.67004341	0.99999994
Tex2	0.04084896	0.02857053	0.03598762	-0.0074171	0.91495006	0.99999994
Fam171b	0.05024896	0.03657509	0.04399517	-0.0074201	0.86920459	0.99999994
Impact	0.07405703	0.05641839	0.06384022	-0.0074218	0.78048837	0.99999994
Arap1	0.06305704	0.04732511	0.05474787	-0.0074228	0.81659777	0.99999994
Atic	0.1463546	0.11216788	0.1195909	-0.007423	0.66025577	0.99999994
Ints5	0.06578789	0.04959425	0.05701729	-0.007423	0.80691571	0.99999994
Ggcx	0.06172037	0.0462063	0.05363411	-0.0074278	0.82169447	0.99999994
Ralgapb	0.06341543	0.0476183	0.05504616	-0.0074279	0.81546071	0.99999994
Rnaseh1	0.08147515	0.0624638	0.06989907	-0.0074353	0.76054214	0.99999994
Abhd11	0.11104007	0.0858697	0.09331119	-0.0074415	0.70223476	0.99999994
Tmem181a	0.10398141	0.08042715	0.08787407	-0.0074469	0.71365522	0.99999994
Spg20	0.06933495	0.05249953	0.05995298	-0.0074535	0.79603142	0.99999994
Ccdc32	0.10555698	0.08163632	0.08909312	-0.0074568	0.71127547	0.99999994
Klhdc10	0.09691905	0.07487156	0.08232902	-0.0074575	0.72672604	0.99999994

Cnot3	0.29414598	0.20710844	0.21456862	-0.0074602	0.59150968	0.99999994
Crhr2	0.052835	0.03871923	0.04618079	-0.0074616	0.8589217	0.99999994
Mbnl1	0.05516639	0.04068107	0.04814483	-0.0074638	0.84894469	0.99999994
Fam114a1	0.02514007	0.01491274	0.02238095	-0.0074682	0.98682903	0.99999994
Zer1	0.09025136	0.06951755	0.07699275	-0.0074752	0.74094574	0.99999994
Zfp87	0.06910769	0.05228917	0.05976529	-0.0074761	0.79747967	0.99999994
Kat8	0.14634174	0.11210368	0.11958161	-0.0074779	0.66138629	0.99999994
Afg3l1	0.26185654	0.18823645	0.1957169	-0.0074804	0.60041101	0.99999994
Cinp	0.10526671	0.08138786	0.08886876	-0.0074809	0.71237185	0.99999994
Uggt2	0.06987947	0.05291976	0.06040245	-0.0074827	0.79519868	0.99999994
Mtg1	0.1233138	0.0951311	0.10261707	-0.007486	0.68636934	0.99999994
Zbtb5	0.07303505	0.0555141	0.06300094	-0.0074868	0.78553416	0.99999994
9330160F10I	0.08026551	0.06142725	0.06891504	-0.0074878	0.76523061	0.99999994
Svip	0.22356112	0.16455149	0.17204139	-0.0074899	0.61401062	0.99999994
Aatk	0.05436225	0.0399777	0.04746808	-0.0074904	0.85322405	0.99999994
Qars	0.27235065	0.19445727	0.20195239	-0.0074951	0.59756114	0.99999994
Abhd13	0.11870845	0.09165189	0.09914725	-0.0074954	0.69259151	0.99999994
Rc3h2	0.21132538	0.15666535	0.16416118	-0.0074958	0.61941263	0.99999994
Gpr137	0.10374781	0.08019559	0.08769307	-0.0074975	0.71535479	0.99999994
Mgat1	0.10360832	0.08008065	0.08758494	-0.0075043	0.71576893	0.99999994
Zdhhc6	0.17853759	0.13474941	0.14225715	-0.0075077	0.63731637	0.99999994
Rad1	0.12301512	0.09487866	0.10239282	-0.0075142	0.6873954	0.99999994
Golim4	0.42640647	0.27474826	0.28226469	-0.0075164	0.5703449	0.99999994
Akap9	0.74928717	0.38592139	0.39344279	-0.0075214	0.55062826	0.99999994
Ankrd39	0.15551373	0.11863673	0.12616274	-0.007526	0.65434322	0.99999994
Pex14	0.25117052	0.18173052	0.18925782	-0.0075273	0.60439581	0.99999994
Cant1	0.10852177	0.0838512	0.09137856	-0.0075274	0.70826432	0.99999994
Snapc2	0.15571425	0.11876975	0.12630553	-0.0075358	0.6543676	0.99999994
Ddx6	0.73410365	0.38255572	0.39009303	-0.0075373	0.55116803	0.99999994
Cacnb2	0.05716398	0.04228488	0.04982291	-0.007538	0.84305256	0.99999994

Vma21	0.48309334	0.29957227	0.30711075	-0.0075385	0.56489424	0.99999994
Pomt2	0.08801328	0.06765262	0.07519134	-0.0075387	0.74773206	0.99999994
Mpnd	0.41971574	0.27163915	0.27917801	-0.0075389	0.5713243	0.99999994
Emg1	0.67563644	0.36825623	0.37579544	-0.0075392	0.55311675	0.99999994
Gne	0.04056287	0.02819447	0.03574234	-0.0075479	0.92008645	0.99999994
Dennd2d	0.03093811	0.01988615	0.02743624	-0.0075501	0.96650499	0.99999994
Sema4b	0.08181609	0.06261011	0.07017615	-0.007566	0.76351505	0.99999994
Rsb1l	0.24839784	0.17999608	0.18756326	-0.0075672	0.60586152	0.99999994
Nmd3	0.26204884	0.18826426	0.19583212	-0.0075679	0.60150034	0.99999994
Senp6	0.49231087	0.30336552	0.31093798	-0.0075725	0.56438898	0.99999994
Golga2	0.08251243	0.06316802	0.07074167	-0.0075737	0.76196393	0.99999994
Wasl	0.21999704	0.16218683	0.16976209	-0.0075753	0.61677635	0.99999994
Thoc5	0.14379786	0.11015918	0.11773862	-0.0075794	0.66585775	0.99999994
Cnst	0.05654719	0.04172298	0.04930525	-0.0075823	0.84699482	0.99999994
Kat2a	0.10615698	0.08197405	0.08955652	-0.0075825	0.71347768	0.99999994
Tmem38a	0.14476906	0.11085899	0.11844315	-0.0075842	0.66502654	0.99999994
Lrrc1	0.0465146	0.03323658	0.04082587	-0.0075893	0.89202679	0.99999994
Akt3	0.06552435	0.04920379	0.05679863	-0.0075948	0.81328212	0.99999994
Pds5b	0.11040045	0.08522172	0.09282107	-0.0075994	0.70711046	0.99999994
Actr1b	0.33417519	0.2290086	0.23661017	-0.0076016	0.58466739	0.99999994
Dnajc14	0.17167033	0.12991608	0.13751956	-0.0076035	0.64357492	0.99999994
Socs7	0.09088938	0.06989687	0.07750534	-0.0076085	0.7432622	0.99999994
Arhgef1	0.1816445	0.1367728	0.14438299	-0.0076102	0.63714791	0.99999994
Mau2	0.2058309	0.15295514	0.16057163	-0.0076165	0.6238982	0.99999994
Syt4	0.0208438	0.01099288	0.01860968	-0.0076168	0.99677905	0.99999994
Ticam1	0.06195497	0.04620974	0.05382973	-0.00762	0.82696927	0.99999994
Ncbp1	0.14353504	0.10992662	0.11754777	-0.0076212	0.66697008	0.99999994
Zfp282	0.09234739	0.07105303	0.07867515	-0.0076221	0.74049567	0.99999994
Prr14l	0.13100743	0.10073361	0.10835615	-0.0076225	0.68019912	0.99999994
Appbp2	0.37694415	0.25100842	0.25863226	-0.0076238	0.57777829	0.99999994

Jade1	0.16740896	0.12692437	0.13455306	-0.0076287	0.64705894	0.99999994
Sec24b	0.0828269	0.06336778	0.0709969	-0.0076291	0.76277982	0.99999994
Tmem33	0.54456783	0.3239438	0.33157968	-0.0076359	0.56091438	0.99999994
Ctnnd1	0.11759934	0.09067182	0.09830773	-0.0076359	0.69742983	0.99999994
Tmed6	0.11982189	0.09235243	0.09998853	-0.0076361	0.69439416	0.99999994
Unc93b1	0.05960237	0.04422829	0.05186533	-0.007637	0.83648973	0.99999994
Rbm28	0.15791343	0.12022449	0.12786857	-0.0076441	0.65465626	0.99999994
Ppp2cb	0.10511246	0.08110335	0.0887495	-0.0076461	0.71683799	0.99999994
D730003I15F	0.06973141	0.05263277	0.06028026	-0.0076475	0.80079449	0.99999994
Nfic	0.18023838	0.13576915	0.1434222	-0.007653	0.63877448	0.99999994
Fam120b	0.088927	0.06826994	0.07592741	-0.0076575	0.74898863	0.99999994
Nolc1	0.30050239	0.21050772	0.21816522	-0.0076575	0.59236589	0.99999994
Mrgbp	0.13399598	0.10290418	0.11056584	-0.0076617	0.67769121	0.99999994
Adam9	0.03463508	0.02297382	0.03063927	-0.0076654	0.95207476	0.99999994
Eif2s1	0.68819555	0.37147727	0.37915015	-0.0076729	0.55357749	0.99999994
Ppp1r16a	0.15036633	0.1147927	0.12248135	-0.0076887	0.66197036	0.99999994
Ptp4a2	0.32414984	0.2235345	0.23122328	-0.0076888	0.58758662	0.99999994
Syt14	0.0683876	0.05146956	0.05917024	-0.0077007	0.80683395	0.99999994
Rasa2	0.10293945	0.07936371	0.08706617	-0.0077025	0.72202454	0.99999994
Eea1	0.17053805	0.12902184	0.13673332	-0.0077115	0.64632027	0.99999994
Coro2b	0.03385769	0.0222543	0.02996705	-0.0077127	0.95665987	0.99999994
Fbxl17	0.07754371	0.05898197	0.06669525	-0.0077133	0.77929227	0.99999994
Irgq	0.09996766	0.07704025	0.08475377	-0.0077135	0.72767673	0.99999994
Dhx15	0.32571113	0.22435187	0.23206803	-0.0077162	0.58757879	0.99999994
Kpna3	0.16177009	0.12288003	0.13059621	-0.0077162	0.65294588	0.99999994
Mvd	0.18281031	0.13745117	0.14517794	-0.0077268	0.63843169	0.99999994
Zcchc7	0.27466689	0.19558261	0.20331431	-0.0077317	0.59991611	0.99999994
Mtx2	0.4939788	0.30388898	0.31162442	-0.0077354	0.56561868	0.99999994
Inafm1	0.11968524	0.09214912	0.09988536	-0.0077362	0.69691328	0.99999994
Gnai2	0.94965395	0.41511516	0.42285216	-0.007737	0.54846834	0.99999994

Pemt	0.05556002	0.04073785	0.04847585	-0.007738	0.85600168	0.99999994
Nfil3	0.05513045	0.04036577	0.0481146	-0.0077488	0.85814059	0.99999994
Lias	0.28212144	0.19990847	0.20766359	-0.0077551	0.59815678	0.99999994
Armc6	0.06943634	0.05228098	0.06003669	-0.0077557	0.80507433	0.99999994
Cyp51	0.13109398	0.10066235	0.1084203	-0.007758	0.68306677	0.99999994
Cpn1	0.16297982	0.12368722	0.13144812	-0.0077609	0.65284087	0.99999994
Arfgap2	0.31140155	0.21648268	0.22424589	-0.0077632	0.59112412	0.99999994
Tes	0.45365551	0.28672562	0.29449493	-0.0077693	0.56969853	0.99999994
Fam122a	0.48115534	0.29852863	0.30629852	-0.0077699	0.56704352	0.99999994
Gopc	0.12000887	0.09235845	0.10012966	-0.0077712	0.69728575	0.99999994
Egln1	0.07022779	0.0529113	0.0606898	-0.0077785	0.80320717	0.99999994
Fbxw9	0.21449843	0.15843981	0.16621963	-0.0077798	0.62230757	0.99999994
Sowahc	0.06875219	0.05168939	0.05947159	-0.0077822	0.80812917	0.99999994
Cdc42bpb	0.07354388	0.05563578	0.06341895	-0.0077832	0.79301	0.99999994
Gstp1	0.0664214	0.04975813	0.0575426	-0.0077845	0.81606888	0.99999994
AU040320	0.05151406	0.03727844	0.04506531	-0.0077869	0.87496036	0.99999994
C1galt1	0.1246068	0.09579895	0.1035866	-0.0077877	0.69161242	0.99999994
2310039H08	0.53937319	0.32181511	0.32960581	-0.0077907	0.56250858	0.99999994
Pus1	0.09685073	0.07448247	0.08227458	-0.0077921	0.73578827	0.99999994
Sipa1l3	0.07386781	0.05588831	0.06368492	-0.0077966	0.79243609	0.99999994
Vmp1	0.40811522	0.26594584	0.27374609	-0.0078003	0.57521591	0.99999994
Epn2	0.11183659	0.08611936	0.09392082	-0.0078015	0.7098359	0.99999994
Ubap2l	0.70102961	0.37461938	0.38242297	-0.0078036	0.55402111	0.99999994
Spn	0.08937613	0.06848489	0.07628891	-0.007804	0.75203758	0.99999994
Sh3bp5l	0.12903795	0.09908288	0.10689386	-0.007811	0.68665661	0.99999994
Arxes2	0.18497876	0.1388399	0.14665262	-0.0078127	0.63855854	0.99999994
Oxnad1	0.09118502	0.06992833	0.07774272	-0.0078144	0.74827474	0.99999994
Smyd3	0.09398965	0.07217536	0.07999018	-0.0078148	0.74225334	0.99999994
Trappc13	0.24902093	0.18012895	0.18794472	-0.0078158	0.60903618	0.99999994
Rce1	0.23311721	0.17026703	0.17808749	-0.0078205	0.61497305	0.99999994

Tbck	0.09664672	0.07428918	0.08211196	-0.0078228	0.73700819	0.99999994
Rilpl1	0.0867546	0.06635082	0.07417596	-0.0078251	0.7587251	0.99999994
Alkbh2	0.0963606	0.07405859	0.08188383	-0.0078252	0.73764943	0.99999994
Chd8	0.23695958	0.17266401	0.18049266	-0.0078286	0.61359887	0.99999994
Mtg2	0.13321986	0.10215721	0.10999302	-0.0078358	0.68231904	0.99999994
Cops5	0.83223794	0.40100769	0.40884525	-0.0078376	0.55076814	0.99999994
Cul9	0.04717959	0.03354575	0.04139139	-0.0078456	0.89647104	0.99999994
Ggnbp2	0.47210162	0.29462257	0.30247071	-0.0078481	0.56856067	0.99999994
Satb1	0.07436649	0.05623649	0.06409414	-0.0078577	0.79276124	0.99999994
Mapk9	0.08046466	0.06121612	0.06907716	-0.007861	0.77562453	0.99999994
Sgcb	0.16788816	0.1270255	0.13488766	-0.0078622	0.65098348	0.99999994
Ccdc86	0.18046841	0.13571736	0.14357953	-0.0078622	0.64225411	0.99999994
Flot2	0.13579085	0.10402115	0.1118878	-0.0078666	0.68010688	0.99999994
Nudcd3	0.29571046	0.20759049	0.2154573	-0.0078668	0.596012	0.99999994
Pten	0.16167976	0.12266289	0.13053253	-0.0078696	0.65590166	0.99999994
Fbxo11	0.14738185	0.11246028	0.12033282	-0.0078725	0.66839279	0.99999994
Pgd	0.28662511	0.20239262	0.21026556	-0.0078729	0.59840967	0.99999994
4933417E11I	0.02968157	0.01846926	0.02634399	-0.0078747	0.9766888	0.99999994
Use1	0.65908303	0.3630356	0.37091111	-0.0078755	0.55619682	0.99999994
Exosc3	0.21026328	0.15559359	0.16346983	-0.0078762	0.62578646	0.99999994
Neo1	0.11536029	0.08873034	0.0966083	-0.007878	0.70636457	0.99999994
Tmem237	0.19831396	0.14771827	0.15560807	-0.0078898	0.63212906	0.99999994
Plrg1	0.16084782	0.12205332	0.12994555	-0.0078922	0.65699403	0.99999994
Ogfod3	0.13387127	0.10258116	0.11047385	-0.0078927	0.68280467	0.99999994
Slc38a2	0.19043734	0.14244487	0.15034215	-0.0078973	0.6366993	0.99999994
Cacna1d	0.05466918	0.03981925	0.04772647	-0.0079072	0.86494532	0.99999994
Elmo3	0.06137324	0.04542152	0.05334455	-0.007923	0.83858015	0.99999994
Trio	0.0858398	0.06550715	0.07343696	-0.0079298	0.76385604	0.99999994
Spryd7	0.13082082	0.10028717	0.10821783	-0.0079307	0.6871563	0.99999994
Bcl2l13	0.08605238	0.06567252	0.07360877	-0.0079362	0.76351832	0.99999994

Arxes1	0.13609255	0.10417193	0.11210963	-0.0079377	0.68128327	0.99999994
Atp6v0a2	0.09650761	0.07406194	0.08200105	-0.0079391	0.74035811	0.99999994
Dcaf10	0.13876445	0.10612794	0.11406949	-0.0079416	0.67846745	0.99999994
Ap5s1	0.11260126	0.08656311	0.09450534	-0.0079422	0.71205577	0.99999994
Coq4	0.15636297	0.11882025	0.12676718	-0.0079469	0.66176378	0.99999994
Emc3	0.30569969	0.21312736	0.22107794	-0.0079506	0.59459499	0.99999994
Map2k3	0.09576739	0.07345823	0.08141058	-0.0079523	0.74222046	0.99999994
Sqle	0.2150644	0.15863194	0.16658569	-0.0079538	0.6246864	0.99999994
Nrep	0.32164244	0.22190824	0.22986224	-0.007954	0.5910831	0.99999994
Slx1b	0.06858778	0.05138163	0.05933572	-0.0079541	0.81388382	0.99999994
Rpa1	0.11644369	0.08947677	0.09743137	-0.0079546	0.70658846	0.99999994
2410002F23I	0.27559762	0.19590366	0.20386016	-0.0079565	0.60248803	0.99999994
Spast	0.09727917	0.07465649	0.08261594	-0.0079595	0.73933364	0.99999994
Lmbrd1	0.17056849	0.12879002	0.13675447	-0.0079645	0.65086616	0.99999994
Ckap5	0.16953498	0.12807096	0.1360356	-0.0079646	0.65162747	0.99999994
Gad1	0.09378444	0.07186105	0.079826	-0.007965	0.74670734	0.99999994
Tjp1	0.16277353	0.12333213	0.13130297	-0.0079708	0.65692272	0.99999994
Morc3	0.10835153	0.08327646	0.09124763	-0.0079712	0.71954253	0.99999994
Pex10	0.06521853	0.0485633	0.0565448	-0.0079815	0.82628044	0.99999994
Rab26os	0.05818523	0.04269758	0.05067911	-0.0079815	0.85275441	0.99999994
Atf1	0.17009872	0.12844532	0.13642787	-0.0079825	0.65153603	0.99999994
Ppp1r13b	0.06273341	0.04648876	0.05447839	-0.0079896	0.83551748	0.99999994
Crot	0.2117854	0.15646978	0.16446026	-0.0079905	0.62680626	0.99999994
2310061I04R	0.19150645	0.14306422	0.15106101	-0.0079968	0.6377198	0.99999994
Tfam	0.23140518	0.16900636	0.17701107	-0.0080047	0.61829672	0.99999994
Osbpl1a	0.10824179	0.08315641	0.0911632	-0.0080068	0.72059924	0.99999994
Tmem60	0.3263291	0.22439032	0.23240182	-0.0080115	0.59074507	0.99999994
Med13	0.13180303	0.10093262	0.10894545	-0.0080128	0.68778053	0.99999994
Taok1	0.22007606	0.16179698	0.16981277	-0.0080158	0.62331718	0.99999994
Lym2	0.34900918	0.23640452	0.24442186	-0.0080173	0.58641664	0.99999994

Slc35e1	0.05199471	0.03745073	0.04547142	-0.0080207	0.87982519	0.99999994
Sf1	0.34281418	0.23316099	0.24118249	-0.0080215	0.58760333	0.99999994
Degs1	0.48671131	0.30059814	0.30862012	-0.008022	0.56868179	0.99999994
Megf9	0.04897358	0.03489223	0.04291453	-0.0080223	0.89330848	0.99999994
Ip6k2	0.64021997	0.35698724	0.36500971	-0.0080225	0.55815723	0.99999994
Srp9	1.21347723	0.42060647	0.42863069	-0.0080242	0.54958422	0.99999994
Ivns1abp	0.21967383	0.16152978	0.16955472	-0.0080249	0.62363517	0.99999994
Zfp318	0.10879444	0.0835576	0.0915882	-0.0080306	0.72026881	0.99999994
Cep104	0.14393396	0.10980395	0.11783742	-0.0080335	0.67501061	0.99999994
Aktip	0.26437196	0.18918761	0.19722129	-0.0080337	0.60685922	0.99999994
Ppid	0.60235455	0.34439574	0.35243318	-0.0080374	0.56032847	0.99999994
Aqr	0.13514825	0.10337272	0.11141495	-0.0080422	0.68455483	0.99999994
Eri3	0.38440552	0.25427092	0.26231954	-0.0080486	0.58091462	0.99999994
Twf2	0.26950255	0.19221892	0.20027084	-0.0080519	0.60550408	0.99999994
Taf6	0.20891464	0.15453241	0.16259026	-0.0080579	0.62925624	0.99999994
lars2	0.10636227	0.081655	0.08971497	-0.00806	0.72508197	0.99999994
Ints1	0.03907303	0.02639865	0.03446355	-0.0080649	0.94034434	0.99999994
Gart	0.19612755	0.14608504	0.15415309	-0.0080681	0.63622255	0.99999994
Actl6b	0.06423528	0.04765893	0.05572801	-0.0080691	0.83242719	0.99999994
Secisbp2	0.11012203	0.08453796	0.09260757	-0.0080696	0.7190492	0.99999994
Abce1	0.2023665	0.15022019	0.15829145	-0.0080713	0.63284841	0.99999994
Rsph9	0.22516187	0.16498928	0.17306063	-0.0080713	0.62188866	0.99999994
Tbc1d23	0.07510601	0.05661762	0.06470053	-0.0080829	0.79717289	0.99999994
Fam120a	0.29827309	0.20882358	0.21690819	-0.0080846	0.59796997	0.99999994
Edem3	0.06139238	0.04526748	0.05336052	-0.008093	0.84364489	0.99999994
Sik3	0.05850036	0.04284917	0.05094308	-0.0080939	0.85487464	0.99999994
Gdap2	0.09837615	0.07539307	0.08348912	-0.0080961	0.7406907	0.99999994
Mrps15	0.39654717	0.26012347	0.26822588	-0.0081024	0.57967858	0.99999994
Nup35	0.13894029	0.10609243	0.11419817	-0.0081057	0.68170276	0.99999994
Dicer1	0.21067508	0.15562197	0.16373802	-0.0081161	0.62927648	0.99999994

Cdc42se2	0.21825331	0.16052569	0.16864206	-0.0081164	0.62565077	0.99999994
Gm15417	0.07370728	0.05543232	0.06355312	-0.0081208	0.80248978	0.99999994
Ntpcr	0.10252789	0.07862583	0.08674668	-0.0081209	0.73340359	0.99999994
Trim56	0.05686616	0.04144904	0.049573	-0.008124	0.86232732	0.99999994
Pbx2	0.1092445	0.08380413	0.09193402	-0.0081299	0.7219464	0.99999994
Wdtdc1	0.07352711	0.05527353	0.06340518	-0.0081316	0.80335618	0.99999994
Usp19	0.17149038	0.12925516	0.1373947	-0.0081395	0.65333358	0.99999994
Sympk	0.1373474	0.10488851	0.11303113	-0.0081426	0.68421396	0.99999994
Gkap1	0.15868007	0.12026676	0.12841215	-0.0081454	0.6635691	0.99999994
Atg2b	0.05376189	0.03881656	0.04696235	-0.0081458	0.87586656	0.99999994
Gm21092	0.36847333	0.24623765	0.25439066	-0.008153	0.58446551	0.99999994
Bckdk	0.28820843	0.2030219	0.21117574	-0.0081538	0.60141559	0.99999994
Ncald	0.08642565	0.06575233	0.07391033	-0.008158	0.76874142	0.99999994
Fgfr1op2	0.39897746	0.26123347	0.26939408	-0.0081606	0.5798999	0.99999994
Bphl	0.33224766	0.22741869	0.23558141	-0.0081627	0.59120193	0.99999994
Adarb1	0.05752022	0.04195463	0.05012171	-0.0081671	0.86095498	0.99999994
Smchd1	0.21656092	0.15938265	0.16755203	-0.0081694	0.62723757	0.99999994
Synj1	0.06688939	0.04976035	0.05793039	-0.00817	0.82607294	0.99999994
Drosha	0.08211278	0.06224399	0.07041717	-0.0081732	0.78011746	0.99999994
Dbnl	0.48340135	0.29905778	0.30723961	-0.0081818	0.57034771	0.99999994
Myo6	0.24694414	0.17848726	0.18667182	-0.0081846	0.61479769	0.99999994
Nfyc	0.26368274	0.18862385	0.19680968	-0.0081858	0.60905451	0.99999994
Vamp2	0.46480903	0.29115628	0.29934595	-0.0081897	0.57225112	0.99999994
Fkbp14	0.07486629	0.05631204	0.06450403	-0.008192	0.80104357	0.99999994
Spsb3	0.13692803	0.1045313	0.11272337	-0.0081921	0.6857165	0.99999994
Pmpcb	0.3976432	0.26055285	0.26875328	-0.0082004	0.58047328	0.99999994
Ramp2	0.14325921	0.10913839	0.11734739	-0.008209	0.67926475	0.99999994
Hspb8	0.15967456	0.12090422	0.12911629	-0.0082121	0.66398322	0.99999994
Micu2	0.2532508	0.18231011	0.19052428	-0.0082142	0.61293572	0.99999994
Apc	0.13283733	0.10149458	0.10971043	-0.0082158	0.6909245	0.99999994

Poldip2	0.3520642	0.23779005	0.24600732	-0.0082173	0.58797507	0.99999994
Wrnip1	0.14567546	0.11088111	0.11909969	-0.0082186	0.67700062	0.99999994
Nptxr	0.03426756	0.02210035	0.03032156	-0.0082212	0.96444436	0.99999994
Alkbh1	0.25464796	0.18314995	0.19137216	-0.0082222	0.61255598	0.99999994
Wdsub1	0.10185508	0.07800125	0.08622392	-0.0082227	0.73721329	0.99999994
Pnkd	0.68065948	0.36891684	0.37714788	-0.008231	0.55775168	0.99999994
Mecp2	0.1538349	0.11673381	0.12496541	-0.0082316	0.66947395	0.99999994
Jph4	0.05395635	0.03889349	0.04712621	-0.0082327	0.87755143	0.99999994
Sgpp2	0.02782236	0.01649169	0.02472449	-0.0082328	0.98666946	0.99999994
Dedd	0.15299106	0.1161285	0.12436236	-0.0082339	0.67028785	0.99999994
Lap3	0.31655347	0.21884658	0.22708317	-0.0082366	0.59539087	0.99999994
Kidins220	0.16060448	0.12153662	0.12977369	-0.0082371	0.66366852	0.99999994
Ppp3r1	0.27601302	0.19586575	0.20410352	-0.0082378	0.60590257	0.99999994
Nploc4	0.07874464	0.05943652	0.06767565	-0.0082391	0.79113727	0.99999994
Rpl30	2.08813827	0.36025987	0.36850209	-0.0082422	0.55917647	0.99999994
Micu1	0.14762707	0.11226208	0.12050975	-0.0082477	0.67564681	0.99999994
Tceal1	0.23509445	0.1710777	0.179327	-0.0082493	0.62027453	0.99999994
C87436	0.12537908	0.09590848	0.10416472	-0.0082562	0.7011088	0.99999994
Med9	0.32860722	0.22536591	0.23362947	-0.0082636	0.59306553	0.99999994
Dennd6a	0.12952597	0.09899236	0.10725666	-0.0082643	0.69598335	0.99999994
Piga	0.05986722	0.04382065	0.05208678	-0.0082661	0.8545977	0.99999994
Ern1	0.06388458	0.04716601	0.05543644	-0.0082704	0.83965623	0.99999994
Mcc	0.02696047	0.01570175	0.02397237	-0.0082706	0.98917595	0.99999994
Sike1	0.20384123	0.15099214	0.15926363	-0.0082715	0.63521722	0.99999994
Pgm2	0.16055432	0.12146424	0.12973825	-0.008274	0.66440185	0.99999994
Pcyox1l	0.15284334	0.11597862	0.12425671	-0.0082781	0.67128071	0.99999994
2410021H03	0.0449629	0.03122428	0.03950438	-0.0082801	0.91851768	0.99999994
Ret	0.08300254	0.06285913	0.07113941	-0.0082803	0.78076142	0.99999994
Hdhd2	0.2530321	0.18211048	0.19039136	-0.0082809	0.61390501	0.99999994
Crtc1	0.09461687	0.07221076	0.08049169	-0.0082809	0.7532655	0.99999994

Ncoa2	0.12878726	0.09842124	0.10670739	-0.0082861	0.6973822	0.99999994
Sbno1	0.45902049	0.28854976	0.29683906	-0.0082893	0.57373066	0.99999994
Aspscr1	0.34826025	0.23573996	0.24403201	-0.008292	0.5894688	0.99999994
Ctdspl	0.07170018	0.05360693	0.06190303	-0.0082961	0.81382198	0.99999994
Slc25a14	0.16469503	0.12435668	0.13265315	-0.0082965	0.66140692	0.99999994
Gramd3	0.19034617	0.14197052	0.15028079	-0.0083103	0.64359522	0.99999994
Hsd17b12	0.39843225	0.26082041	0.2691324	-0.008312	0.58143951	0.99999994
Emp2	0.06243434	0.04591246	0.05422926	-0.0083168	0.84633575	0.99999994
Hsdl1	0.10754735	0.08230447	0.09062864	-0.0083242	0.72952625	0.99999994
Trrap	0.11403482	0.0872748	0.09559919	-0.0083244	0.71891073	0.99999994
Dhrs1	0.2232945	0.16354196	0.17187138	-0.0083294	0.62649625	0.99999994
Ep400	0.15204603	0.11535387	0.12368603	-0.0083322	0.67307073	0.99999994
Cbl	0.1102257	0.08435071	0.09268708	-0.0083364	0.72530673	0.99999994
Ensa	0.16665212	0.12568584	0.13402406	-0.0083382	0.66060725	0.99999994
Mtif2	0.10885391	0.0832847	0.09163391	-0.0083492	0.72790636	0.99999994
Ube2q1	0.17749239	0.1331876	0.14153961	-0.008352	0.65275908	0.99999994
Gpn3	0.127624	0.09748622	0.10584112	-0.0083549	0.70036143	0.99999994
Zfp219	0.0966541	0.07376051	0.08211784	-0.0083573	0.75093454	0.99999994
Rnf170	0.10121731	0.07736993	0.08572787	-0.0083579	0.74181595	0.99999994
Cenpc1	0.12387064	0.09467474	0.10303485	-0.0083601	0.70543192	0.99999994
Grip1	0.03974785	0.02668083	0.03504309	-0.0083623	0.94390124	0.99999994
Ankmy2	0.09549319	0.07282852	0.0811917	-0.0083632	0.75353003	0.99999994
Apbb2	0.11873216	0.09079687	0.09916518	-0.0083683	0.71284446	0.99999994
2510039018	0.10138438	0.07748916	0.08585786	-0.0083687	0.74176796	0.99999994
Mttp	0.10179346	0.07779068	0.08617602	-0.0083853	0.74140889	0.99999994
Nfs1	0.26515218	0.18929963	0.19768668	-0.0083871	0.6111826	0.99999994
Slc7a5	0.1032947	0.07895376	0.08734177	-0.008388	0.73867119	0.99999994
Celf1	0.40876087	0.26566164	0.27405104	-0.0083894	0.58073262	0.99999994
Agap1	0.10213149	0.07804336	0.08643876	-0.0083954	0.74102263	0.99999994
Abi1	0.16634156	0.12540751	0.13380681	-0.0083993	0.66196503	0.99999994

Rnf216	0.14467627	0.1099743	0.11837589	-0.0084016	0.68168907	0.99999994
Cpeb4	0.09243755	0.07033961	0.07874742	-0.0084078	0.76136332	0.99999994
Zranb1	0.25084058	0.18063876	0.18905656	-0.0084178	0.6165287	0.99999994
Noc2l	0.08677361	0.06577138	0.07419131	-0.0084199	0.77500346	0.99999994
Hspbp1	0.2615443	0.18709708	0.19552974	-0.0084327	0.61297072	0.99999994
Pex3	0.14015531	0.10665085	0.11508635	-0.0084355	0.68718689	0.99999994
Irf6	0.12282872	0.09381346	0.10225282	-0.0084394	0.70862674	0.99999994
Mettl7a1	0.07911459	0.0595377	0.06797735	-0.0084397	0.795715	0.99999994
Ube2z	0.15122158	0.11465262	0.12309514	-0.0084425	0.67599508	0.99999994
Lonp1	0.18753621	0.13993862	0.14838525	-0.0084466	0.64762065	0.99999994
Scaf1	0.13138975	0.10019229	0.10863943	-0.0084471	0.69761671	0.99999994
Armc9	0.11515299	0.08799831	0.09645062	-0.0084523	0.72016117	0.99999994
Osgep	0.24031359	0.1741203	0.1825795	-0.0084592	0.62111086	0.99999994
Abhd14b	0.17284792	0.12987564	0.13833575	-0.0084601	0.65802483	0.99999994
Malsu1	0.30480479	0.21211201	0.22057812	-0.0084661	0.60082411	0.99999994
Gale	0.2557479	0.18357215	0.19203835	-0.0084662	0.61541167	0.99999994
Mbp	0.16088692	0.1215009	0.12997316	-0.0084723	0.66781683	0.99999994
Rragc	0.15304731	0.11592516	0.12440259	-0.0084774	0.67494087	0.99999994
Drg2	0.27520904	0.19514242	0.20363236	-0.0084899	0.60930959	0.99999994
Mkrn2os	0.05389744	0.03858396	0.04707657	-0.0084926	0.88508697	0.99999994
Arhgap35	0.09092183	0.06903267	0.0775314	-0.0084987	0.76719716	0.99999994
Zbtb41	0.07141924	0.05316678	0.06167171	-0.0085049	0.82067898	0.99999994
Mrps22	0.1698699	0.12776295	0.13626869	-0.0085057	0.66110566	0.99999994
Sec62	1.2117584	0.42017475	0.42868597	-0.0085112	0.55256979	0.99999994
Sgms1	0.07765783	0.05827495	0.06678848	-0.0085135	0.80191653	0.99999994
Afg3l2	0.12174236	0.09292056	0.10143601	-0.0085154	0.71184894	0.99999994
Cse1l	0.11390202	0.08698204	0.09549796	-0.0085159	0.72360126	0.99999994
Nsun2	0.24577822	0.17743771	0.18595536	-0.0085177	0.61977628	0.99999994
Cyld	0.09750165	0.07427439	0.08279313	-0.0085187	0.75329185	0.99999994
Braf	0.14735796	0.11179155	0.12031558	-0.008524	0.68138847	0.99999994

lars	0.07202329	0.05364445	0.06216895	-0.0085245	0.8193021	0.99999994
Gabarapl1	0.3238614	0.22253747	0.23106699	-0.0085295	0.59704674	0.99999994
Adprm	0.10285436	0.0784684	0.08700013	-0.0085317	0.74304469	0.99999994
Prr12	0.08003714	0.06019726	0.0687291	-0.0085318	0.79568344	0.99999994
Dot1l	0.13175137	0.1003712	0.10890722	-0.008536	0.69906647	0.99999994
Nr3c1	0.22215298	0.16260612	0.17114258	-0.0085365	0.63006067	0.99999994
Zfp942	0.07856942	0.0589933	0.06753269	-0.0085394	0.80001789	0.99999994
Chmp1a	0.37609131	0.24966723	0.25820801	-0.0085408	0.5871319	0.99999994
Rock2	0.11546587	0.08814418	0.09668857	-0.0085444	0.72180899	0.99999994
Sdk2	0.0353306	0.02269324	0.03124011	-0.0085469	0.96570331	0.99999994
Utp18	0.24101923	0.17446847	0.18301708	-0.0085486	0.62206701	0.99999994
Fam3c	0.20247599	0.149814	0.1583637	-0.0085497	0.64033783	0.99999994
Ppp1r27	0.02639984	0.01493272	0.02348267	-0.0085499	0.99231525	0.99999994
Klf9	0.04238169	0.02874982	0.03730009	-0.0085503	0.93647404	0.99999994
Szrd1	0.25927295	0.18561428	0.19416546	-0.0085512	0.61529641	0.99999994
Akt2	0.18268929	0.13654036	0.14509548	-0.0085551	0.65264536	0.99999994
Mzt2	0.20074806	0.14866039	0.1572219	-0.0085615	0.64150012	0.99999994
Ift46	0.24819391	0.17887618	0.18743833	-0.0085621	0.61945937	0.99999994
Ube4a	0.09380482	0.07127721	0.07984231	-0.0085651	0.76240575	0.99999994
Scaf8	0.0907199	0.06880388	0.07736923	-0.0085653	0.76941086	0.99999994
Slc39a9	0.05183472	0.03676964	0.04533627	-0.0085666	0.89576227	0.99999994
Ralgps2	0.0697854	0.05175651	0.06032482	-0.0085683	0.82778385	0.99999994
Ankrd10	0.21693474	0.15922141	0.16779306	-0.0085716	0.63308591	0.99999994
Zcchc14	0.077763	0.05829982	0.06687438	-0.0085746	0.80330097	0.99999994
Plp2	0.26516183	0.18911436	0.19769244	-0.0085781	0.61364279	0.99999994
Bmpr1a	0.16986995	0.12768809	0.13626872	-0.0085806	0.66244329	0.99999994
Smad5	0.11738418	0.08956107	0.09814469	-0.0085836	0.71976978	0.99999994
Aifm1	0.17974031	0.13449231	0.14308135	-0.008589	0.65526514	0.99999994
Bfar	0.22747836	0.16593843	0.17453098	-0.0085926	0.6284336	0.99999994
Otud6b	0.11458877	0.08742818	0.09602119	-0.008593	0.72430624	0.99999994

1700056E22I	0.12943512	0.09859559	0.10718914	-0.0085936	0.70320899	0.99999994
Tceal8	0.83637172	0.40089745	0.40949535	-0.0085979	0.5555748	0.99999994
Thap11	0.32460849	0.22286053	0.23147166	-0.0086111	0.59778868	0.99999994
Rapgef4	0.09956811	0.07582109	0.08443652	-0.0086154	0.75148747	0.99999994
Pabpn1	0.31491754	0.21756697	0.22618502	-0.0086181	0.60010509	0.99999994
Smg5	0.10480026	0.07988334	0.08850802	-0.0086247	0.74171104	0.99999994
Hexim1	0.1389591	0.10558255	0.11421194	-0.0086294	0.6924922	0.99999994
Daam1	0.23984126	0.17365669	0.18228632	-0.0086296	0.62366441	0.99999994
Ncoa7	0.13433174	0.10216935	0.11081342	-0.0086441	0.69820109	0.99999994
Dhx29	0.10685509	0.08144865	0.09009513	-0.0086465	0.73852817	0.99999994
Slc25a44	0.14374663	0.10905351	0.11770142	-0.0086479	0.68760199	0.99999994
Rab20	0.04730691	0.03284828	0.0414996	-0.0086513	0.91737586	0.99999994
Mical3	0.07661039	0.05728092	0.06593228	-0.0086514	0.80878272	0.99999994
Rprd1b	0.14351963	0.10888161	0.11753658	-0.008655	0.68798631	0.99999994
Rhobtb1	0.03779773	0.02470327	0.03336691	-0.0086636	0.95803346	0.99999994
Rnf26	0.09560853	0.07261856	0.08128378	-0.0086652	0.76102328	0.99999994
Gpi1	0.59097233	0.33981796	0.34848326	-0.0086653	0.56573088	0.99999994
Mettl5	0.16534105	0.12443895	0.13310616	-0.0086672	0.66764831	0.99999994
Ccm2	0.20474888	0.15119201	0.15986083	-0.0086688	0.64093402	0.99999994
Fkrp	0.11012727	0.0839362	0.09261159	-0.0086754	0.73353333	0.99999994
Atp7a	0.07240085	0.0538041	0.06247955	-0.0086755	0.8223228	0.99999994
Oxct1	0.14144782	0.10734335	0.11602926	-0.0086859	0.69086116	0.99999994
Psmf1	0.22583766	0.16480356	0.17349014	-0.0086866	0.63053896	0.99999994
Atp13a2	0.09537295	0.0724078	0.0810957	-0.0086879	0.76210966	0.99999994
Mrpl12	0.51099176	0.30982822	0.31852034	-0.0086921	0.57206965	0.99999994
Suox	0.10228235	0.07785603	0.08655596	-0.0086999	0.74826679	0.99999994
Zfp512	0.17414836	0.13053429	0.13923528	-0.008701	0.66128205	0.99999994
Erap1	0.08802089	0.06649613	0.07519748	-0.0087013	0.77941792	0.99999994
Slc35g2	0.21184785	0.15579728	0.16450084	-0.0087036	0.63764861	0.99999994
Zfp507	0.09710911	0.07377343	0.08248046	-0.008707	0.75887157	0.99999994

Polr3d	0.21032078	0.15479891	0.16350728	-0.0087084	0.63852418	0.99999994
Gigyf2	0.2585164	0.18500027	0.19370994	-0.0087097	0.61763916	0.99999994
Atf6	0.14596678	0.11059872	0.11931049	-0.0087118	0.68652755	0.99999994
Coa5	0.08276325	0.06222863	0.07094525	-0.0087166	0.79327205	0.99999994
Hnrnpul1	0.33638687	0.22906757	0.23778671	-0.0087191	0.59641348	0.99999994
Tbc1d20	0.09991265	0.07598334	0.0847101	-0.0087268	0.75355897	0.99999994
Tspo	0.19752072	0.14635336	0.15508078	-0.0087274	0.64602007	0.99999994
Map7	0.22797952	0.16611799	0.17484837	-0.0087304	0.63019107	0.99999994
Thap3	0.13004615	0.09891108	0.10764304	-0.008732	0.70538814	0.99999994
Acox1	0.12198675	0.09288784	0.10161988	-0.008732	0.71632907	0.99999994
Csrp1	0.19635839	0.14557405	0.15430695	-0.0087329	0.64680616	0.99999994
Uaca	0.08916407	0.06737746	0.07611825	-0.0087408	0.77767396	0.99999994
Ttc32	0.12358322	0.09407799	0.10281925	-0.0087413	0.71426776	0.99999994
Ppp1r15b	0.09036194	0.06833956	0.07708163	-0.0087421	0.7748509	0.99999994
Znhit2	0.26038155	0.18608429	0.19483195	-0.0087477	0.61747681	0.99999994
Hps4	0.16080127	0.12115907	0.12991268	-0.0087536	0.67310735	0.99999994
Usp22	0.17705344	0.13248335	0.14123789	-0.0087545	0.66004666	0.99999994
Numa1	0.17979828	0.13435896	0.14312103	-0.0087621	0.658184	0.99999994
Zzz3	0.15316528	0.11572427	0.12448693	-0.0087627	0.68030161	0.99999994
Mtmr4	0.08856356	0.06687132	0.07563474	-0.0087634	0.77971726	0.99999994
Pafah1b2	0.6741511	0.366626	0.37539287	-0.0087669	0.56176739	0.99999994
Scap	0.06367648	0.04649621	0.05526335	-0.0087671	0.8545123	0.99999994
Tmigd3	0.05044435	0.03538021	0.04416057	-0.0087804	0.90716055	0.99999994
Scaf11	0.5912324	0.33978809	0.3485744	-0.0087863	0.56662297	0.99999994
Rimbp2	0.2404837	0.17389203	0.18268503	-0.008793	0.62566137	0.99999994
Tmem184b	0.10355912	0.07874301	0.0875468	-0.0088038	0.7483703	0.99999994
Srpk2	0.48744109	0.300118	0.30892338	-0.0088054	0.57523931	0.99999994
Cntn1	0.02927926	0.01718674	0.02599389	-0.0088071	0.98794215	0.99999994
Mrpl24	0.72010025	0.37817702	0.38698487	-0.0088079	0.56020935	0.99999994
Atp13a3	0.0817459	0.0613094	0.07011912	-0.0088097	0.79850718	0.99999994

Hexb	0.07853185	0.05869183	0.06750204	-0.0088102	0.80751425	0.99999994
Cadps	0.18593578	0.13848532	0.14730182	-0.0088165	0.6548342	0.99999994
Gjd2	0.28664486	0.20145842	0.21027692	-0.0088185	0.60993567	0.99999994
Nipal1	0.19699941	0.14591085	0.1547339	-0.008823	0.64786048	0.99999994
Psen1	0.15323596	0.1157115	0.12453747	-0.008826	0.68144236	0.99999994
Slco3a1	0.06935677	0.05114403	0.05997099	-0.008827	0.83639055	0.99999994
Poldip3	0.19971619	0.14771109	0.15653852	-0.0088274	0.6463043	0.99999994
Cfap97	0.20744339	0.1528004	0.16162856	-0.0088282	0.64191059	0.99999994
Strn4	0.26117803	0.18648083	0.19531007	-0.0088292	0.61825812	0.99999994
Bcr	0.0549686	0.03914572	0.04797845	-0.0088327	0.88979176	0.99999994
Naa15	0.33899907	0.23033737	0.239171	-0.0088336	0.59710025	0.99999994
Mvp	0.13367162	0.10149232	0.11032653	-0.0088342	0.70298203	0.99999994
Plcb4	0.09613907	0.0728721	0.08170713	-0.008835	0.76416219	0.99999994
Nelfa	0.23903935	0.17295029	0.18178808	-0.0088378	0.6268813	0.99999994
Hemk1	0.0782986	0.05846386	0.06731169	-0.0088478	0.80919939	0.99999994
Sirpa	0.03881949	0.02539775	0.03424567	-0.0088479	0.95726366	0.99999994
Fkbp15	0.06638293	0.04865977	0.05751072	-0.0088509	0.84718119	0.99999994
Ddx21	0.157869	0.1189861	0.12783705	-0.0088509	0.67755071	0.99999994
Ago3	0.06563485	0.04803272	0.05689032	-0.0088576	0.84998509	0.99999994
Zmiz2	0.12017653	0.09139631	0.10025617	-0.0088599	0.72181331	0.99999994
Man2b2	0.05138253	0.03609399	0.04495413	-0.0088601	0.90522656	0.99999994
Mrpl38	0.43358986	0.27667921	0.28554152	-0.0088623	0.58183588	0.99999994
Zswim7	0.18108076	0.13513285	0.14399805	-0.0088652	0.65902265	0.99999994
Igf2r	0.15231551	0.1150133	0.12387899	-0.0088657	0.68309744	0.99999994
Acbd3	0.28496527	0.20043685	0.20930893	-0.0088721	0.61108436	0.99999994
Sh3gl1	0.24916107	0.17915505	0.18803047	-0.0088754	0.62331297	0.99999994
Ptp4a3	0.20666543	0.15224338	0.16111901	-0.0088756	0.64307172	0.99999994
Actr2	0.24253591	0.17507976	0.18395592	-0.0088762	0.62596292	0.99999994
Adck5	0.20112991	0.14859035	0.15747449	-0.0088841	0.64636585	0.99999994
Tfe3	0.12012474	0.09133101	0.10021709	-0.0088861	0.7224746	0.99999994

Fra10ac1	0.15974554	0.12027696	0.1291665	-0.0088895	0.67656193	0.99999994
Mtmt14	0.10287507	0.07812395	0.0870162	-0.0088923	0.7518169	0.99999994
Nit1	0.24731109	0.17800285	0.18689704	-0.0088942	0.62428991	0.99999994
Gorasp1	0.06550345	0.04788691	0.05678129	-0.0088944	0.85144936	0.99999994
Vsig10	0.08581176	0.06451688	0.0734143	-0.0088974	0.79008464	0.99999994
Trappc11	0.09345013	0.07065949	0.07955847	-0.008899	0.77172617	0.99999994
Agpat3	0.29289236	0.20495062	0.21385493	-0.0089043	0.60916822	0.99999994
Slc25a36	0.17830888	0.13318655	0.14210024	-0.0089137	0.66185874	0.99999994
Phf2	0.07497272	0.0556768	0.06459127	-0.0089145	0.82086522	0.99999994
Zfp771	0.17399555	0.13021453	0.13912968	-0.0089151	0.66513768	0.99999994
Zfp938	0.16791544	0.12598608	0.1349067	-0.0089206	0.67008489	0.99999994
Shtn1	0.09921605	0.07523117	0.08415684	-0.0089257	0.75989773	0.99999994
Trappc12	0.0987415	0.0748512	0.08377966	-0.0089285	0.76095351	0.99999994
Polr2b	0.1677451	0.12585702	0.13478779	-0.0089308	0.67040699	0.99999994
Rmnd5a	0.0973721	0.07375908	0.08268995	-0.0089309	0.76390362	0.99999994
Nabp1	0.03904573	0.02550751	0.0344401	-0.0089326	0.95786518	0.99999994
Mmadhc	0.50027709	0.30526634	0.31420009	-0.0089338	0.5750564	0.99999994
Ifnar1	0.10743584	0.08160209	0.09054274	-0.0089407	0.7445004	0.99999994
Mpp7	0.07211609	0.05330231	0.06224531	-0.008943	0.83055048	0.99999994
1300002E11f	0.26424712	0.18819797	0.19714676	-0.0089488	0.61872812	0.99999994
Slc35a4	0.21103368	0.15502243	0.16397142	-0.008949	0.64180246	0.99999994
Ldlr	0.09272038	0.07002423	0.07897407	-0.0089498	0.77467763	0.99999994
Clstn1	0.05976161	0.04304858	0.05199849	-0.0089499	0.87403687	0.99999994
Sars	0.64699827	0.35820499	0.36715699	-0.008952	0.56446321	0.99999994
Elp2	0.1923471	0.14265823	0.15162527	-0.008967	0.65308153	0.99999994
Hnrnpul2	0.37615415	0.24927029	0.25823929	-0.008969	0.59141417	0.99999994
Ccdc166	0.09078262	0.06844854	0.0774196	-0.0089711	0.77973879	0.99999994
Exp5	0.04312926	0.0289556	0.03793926	-0.0089837	0.94250592	0.99999994
Snx2	0.60311295	0.34370905	0.35269368	-0.0089846	0.56732433	0.99999994
Vps52	0.14240417	0.10774102	0.11672567	-0.0089846	0.6957989	0.99999994

Pik3c2a	0.16273977	0.12229306	0.13127921	-0.0089861	0.67567269	0.99999994
Dynlt1a	0.13506996	0.10236747	0.11135731	-0.0089898	0.70449252	0.99999994
Nip7	0.25540937	0.18284034	0.19183344	-0.0089931	0.62249802	0.99999994
Prkaa1	0.08585503	0.0644545	0.07344927	-0.0089948	0.79250761	0.99999994
Rhpn2	0.11158021	0.08471786	0.09372468	-0.0090068	0.73880559	0.99999994
Nkiras1	0.23352666	0.16933161	0.17834449	-0.0090129	0.63171089	0.99999994
Idh1	0.18090393	0.134863	0.14387723	-0.0090142	0.66167388	0.99999994
Pck2	0.13448521	0.10191213	0.11092655	-0.0090144	0.7057212	0.99999994
Hs3st6	0.05639069	0.04015753	0.04917383	-0.0090163	0.88885869	0.99999994
Fam76b	0.12758294	0.09679389	0.10581051	-0.0090166	0.71471761	0.99999994
Parn	0.13409187	0.10161868	0.11063656	-0.0090179	0.7062814	0.99999994
Mnat1	0.2659466	0.18914016	0.19815996	-0.0090198	0.61904844	0.99999994
Mybbp1a	0.14470888	0.1093747	0.11839953	-0.0090248	0.69405274	0.99999994
Ahctf1	0.11767775	0.08934177	0.09836713	-0.0090254	0.72931174	0.99999994
Nr2c2ap	0.18057628	0.13462697	0.14365328	-0.0090263	0.66211624	0.99999994
Lta4h	0.10491085	0.07956341	0.08859357	-0.0090302	0.75126262	0.99999994
Slc35a2	0.17820677	0.1329929	0.14203017	-0.0090373	0.66404894	0.99999994
Srebf2	0.08157153	0.06093934	0.06997742	-0.0090381	0.80502698	0.99999994
Prkab2	0.05991286	0.04308439	0.05212493	-0.0090405	0.87584776	0.99999994
9330020H09	0.06676522	0.0487867	0.05782752	-0.0090408	0.85098385	0.99999994
Vps4a	0.23820067	0.17222148	0.18126629	-0.0090448	0.63010764	0.99999994
Ezr	0.28302536	0.1991387	0.20818747	-0.0090488	0.61383009	0.99999994
Cmtm6	0.0924129	0.06967665	0.07872766	-0.009051	0.77794026	0.99999994
Slc44a3	0.27940087	0.19702937	0.20608227	-0.0090529	0.61501123	0.99999994
Nrf1	0.11311154	0.0858382	0.09489499	-0.0090568	0.73737821	0.99999994
Sptlc2	0.14075005	0.10646116	0.11552047	-0.0090593	0.69916585	0.99999994
Polr2a	0.18287947	0.13616517	0.14522505	-0.0090599	0.66102332	0.99999994
Vps35	0.48723439	0.29977334	0.30883752	-0.0090642	0.57744432	0.99999994
Dync2h1	0.1701664	0.1274056	0.13647494	-0.0090693	0.67087957	0.99999994
Pex11b	0.16222781	0.1218454	0.13091874	-0.0090733	0.67771527	0.99999994

Wdr82	0.10500497	0.07959279	0.08866637	-0.0090736	0.75211841	0.99999994
Mrpl4	0.38891685	0.2554468	0.26452789	-0.0090811	0.59037475	0.99999994
Col4a1	0.07469531	0.05528203	0.06436383	-0.0090818	0.82619091	0.99999994
Gnpat	0.12732572	0.09653674	0.10561872	-0.009082	0.71646426	0.99999994
Clec12b	0.02398062	0.01227592	0.02136532	-0.0090894	0.99768566	0.99999994
Foxp4	0.18579209	0.13811141	0.14720441	-0.009093	0.65952666	0.99999994
Fbxl6	0.16064878	0.12070741	0.12980498	-0.0090976	0.67957846	0.99999994
BC023719	0.04299502	0.02872591	0.03782454	-0.0090986	0.94533104	0.99999994
1110038F14I	0.35892976	0.24044064	0.24954242	-0.0091018	0.59591333	0.99999994
Exoc5	0.16382139	0.12292922	0.13203979	-0.0091106	0.67698328	0.99999994
Acad8	0.18067506	0.13460927	0.14372081	-0.0091115	0.66348614	0.99999994
Ablim1	0.03868274	0.02501527	0.03412813	-0.0091129	0.96224667	0.99999994
Armcx2	0.20567161	0.15135038	0.16046707	-0.0091167	0.64734813	0.99999994
Ythdf3	0.16684014	0.12503262	0.13415554	-0.0091229	0.67459937	0.99999994
Alg3	0.1283709	0.09727394	0.10639752	-0.0091236	0.71592622	0.99999994
Trp53bp1	0.17807761	0.13281686	0.14194151	-0.0091247	0.66563857	0.99999994
Bag6	0.30268596	0.21025686	0.21939189	-0.009135	0.60917028	0.99999994
Synrg	0.25481422	0.18232691	0.19147293	-0.009146	0.62473936	0.99999994
Ryk	0.13911933	0.10518147	0.11432916	-0.0091477	0.7028406	0.99999994
Rnf13	0.12849365	0.0973385	0.10648889	-0.0091504	0.71632834	0.99999994
Arf2	0.17330834	0.12950156	0.13865444	-0.0091529	0.66981449	0.99999994
C2cd5	0.11702309	0.08871109	0.09787095	-0.0091599	0.73334991	0.99999994
Stk19	0.13715028	0.1037204	0.1128865	-0.0091661	0.70556673	0.99999994
Ppan	0.12798513	0.09693812	0.10611023	-0.0091721	0.71747993	0.99999994
Capn7	0.11883638	0.09006614	0.09924399	-0.0091778	0.73090883	0.99999994
Myg1	0.27708352	0.19555123	0.20472992	-0.0091787	0.61731079	0.99999994
Kdm2a	0.17064342	0.12762094	0.13680655	-0.0091856	0.67253645	0.99999994
Mrps18b	0.2628823	0.18714448	0.1963311	-0.0091866	0.62227485	0.99999994
Thra	0.16456843	0.12336511	0.13256432	-0.0091992	0.67792836	0.99999994
Cited4	0.05399729	0.03796077	0.04716069	-0.0091999	0.90294158	0.99999994

Ankhd1	0.177596	0.13240863	0.14161079	-0.0092022	0.66732691	0.99999994
Ak3	0.12230431	0.09265111	0.1018587	-0.0092076	0.72631526	0.99999994
Emilin1	0.04556856	0.03080681	0.04002051	-0.0092137	0.93729497	0.99999994
Ankrd12	0.39945447	0.26040861	0.26962284	-0.0092142	0.58997393	0.99999994
Mical2	0.14627125	0.11030954	0.11953065	-0.0092211	0.6961993	0.99999994
Bop1	0.13940389	0.10531449	0.11453727	-0.0092228	0.70401519	0.99999994
Dnajb4	0.09533152	0.07183914	0.08106262	-0.0092235	0.77558734	0.99999994
Dmtf1	0.16423451	0.12310544	0.13232994	-0.0092245	0.67867751	0.99999994
Kctd3	0.08253548	0.06153237	0.07076039	-0.009228	0.80732195	0.99999994
Rp9	0.33557352	0.2281253	0.23735451	-0.0092292	0.60211432	0.99999994
Golga5	0.11858487	0.08982025	0.09905379	-0.0092335	0.73253182	0.99999994
Podxl2	0.21862348	0.15964035	0.16888009	-0.0092397	0.64213878	0.99999994
Frmf5	0.0446603	0.03000294	0.03924635	-0.0092434	0.94152715	0.99999994
Mrpl41	0.64381696	0.3569057	0.36615407	-0.0092484	0.56675839	0.99999994
Clec11a	0.06776725	0.04940546	0.05865715	-0.0092517	0.85311185	0.99999994
Exoc1	0.08565125	0.06403085	0.07328453	-0.0092537	0.79968673	0.99999994
Brwd1	0.27087396	0.19182255	0.20108148	-0.0092589	0.62038672	0.99999994
Kcnu1	0.03175882	0.01888429	0.02814866	-0.0092644	0.98576541	0.99999994
Uvssa	0.10001136	0.07552169	0.08478846	-0.0092668	0.76653788	0.99999994
Tubg1	0.35578795	0.23865682	0.24792947	-0.0092726	0.59830028	0.99999994
Pdgfrl	0.06269919	0.04517556	0.05444989	-0.0092743	0.87155286	0.99999994
Prpsap2	0.1025899	0.07750667	0.08679483	-0.0092882	0.76186529	0.99999994
Srxn1	0.08811545	0.06598525	0.07527369	-0.0092884	0.79428087	0.99999994
Pfkfb2	0.0398068	0.02580288	0.03509369	-0.0092908	0.96098423	0.99999994
Mrpl22	0.36591164	0.24378438	0.25309661	-0.0093122	0.59673638	0.99999994
Ppp1r11	0.76154929	0.38671421	0.3960296	-0.0093154	0.56220832	0.99999994
Enoph1	0.08367277	0.06236742	0.0716829	-0.0093155	0.8064862	0.99999994
4930453N24	0.1820254	0.13532667	0.14464288	-0.0093162	0.66593842	0.99999994
Rlim	0.19507824	0.14412995	0.153453	-0.009323	0.65704338	0.99999994
Ccl27a	0.13312658	0.10059214	0.10992412	-0.009332	0.71399373	0.99999994

Pappa2	0.05149015	0.03570497	0.0450451	-0.0093401	0.91623766	0.99999994
Rpf1	0.29962221	0.20832079	0.21766955	-0.0093488	0.61251734	0.99999994
B830012L14I	0.06462638	0.0467028	0.05605303	-0.0093502	0.86657586	0.99999994
Immt	0.48378515	0.29803923	0.30740008	-0.0093609	0.58031424	0.99999994
Grhl1	0.03188667	0.01889852	0.02825957	-0.009361	0.98627064	0.99999994
Tmub1	0.14855127	0.11181329	0.12117593	-0.0093626	0.69647973	0.99999994
Zfyve19	0.19986979	0.14727608	0.15664032	-0.0093642	0.65465881	0.99999994
Nufip2	0.18295761	0.13591396	0.14527828	-0.0093643	0.66605808	0.99999994
Mrpl55	0.34630329	0.23364557	0.24301116	-0.0093656	0.60123087	0.99999994
Rhbdd3	0.08020357	0.05949746	0.06886461	-0.0093672	0.81737753	0.99999994
Tmem245	0.10640074	0.08037708	0.08974466	-0.0093676	0.75640742	0.99999994
Vat1l	0.11775233	0.08905369	0.09842362	-0.0093699	0.73685706	0.99999994
Anks3	0.21076941	0.154418	0.16379943	-0.0093814	0.64848572	0.99999994
Mapk1ip1	0.12129394	0.09171585	0.10109844	-0.0093826	0.73163096	0.99999994
Gcnt2	0.05306631	0.03699133	0.04637592	-0.0093846	0.91100581	0.99999994
Sycn	0.07250602	0.05318069	0.06256604	-0.0093854	0.84098176	0.99999994
Pcbp2	1.40323022	0.40873817	0.41813008	-0.0093919	0.55942561	0.99999994
Cdipt	0.34150515	0.23110048	0.24049369	-0.0093932	0.60256203	0.99999994
Sdhaf4	0.62680944	0.35126599	0.36065969	-0.0093937	0.56881996	0.99999994
Mcts1	0.50950982	0.30853352	0.31792723	-0.0093937	0.57795851	0.99999994
Smg1	0.10483617	0.0791411	0.0885358	-0.0093947	0.76000484	0.99999994
Srm	0.35087318	0.23599242	0.24539013	-0.0093977	0.60060702	0.99999994
Blmh	0.58604633	0.33735186	0.34674972	-0.0093979	0.57158285	0.99999994
Vkorc1l1	0.10383241	0.07835961	0.08775862	-0.009399	0.76204649	0.99999994
Gpaa1	0.24590932	0.17663459	0.18603598	-0.0094014	0.63170828	0.99999994
Mrps26	0.52067853	0.31294535	0.322362	-0.0094166	0.5770849	0.99999994
Prrc2b	0.28893581	0.2021748	0.21159311	-0.0094183	0.61649334	0.99999994
Cmip	0.41331375	0.2667683	0.27619265	-0.0094243	0.58983895	0.99999994
Sumo3	0.77906174	0.39010572	0.39953903	-0.0094333	0.56244056	0.99999994
Gm15706	0.05371946	0.03749315	0.0469266	-0.0094334	0.90956771	0.99999994

Prkar1b	0.20985383	0.1537626	0.16320299	-0.0094404	0.64989366	0.99999994
Zfp945	0.13966668	0.10528307	0.11472937	-0.0094463	0.70817295	0.99999994
Kbtbd2	0.1582204	0.11863983	0.12808631	-0.0094465	0.68825573	0.99999994
Pip5k1b	0.06097036	0.04356053	0.05300832	-0.0094478	0.88226323	0.99999994
Epb41	0.10871438	0.08207846	0.09152666	-0.0094482	0.75399903	0.99999994
Pigf	0.24503759	0.17604929	0.18549955	-0.0094503	0.6327356	0.99999994
St7l	0.22100691	0.16095071	0.17040932	-0.0094586	0.64410853	0.99999994
Krcc1	0.54498188	0.32227369	0.33173631	-0.0094626	0.57529428	0.99999994
Ffar3	0.02509507	0.01287659	0.02234156	-0.009465	0.99759851	0.99999994
Tfrc	0.06818091	0.04953003	0.05899934	-0.0094693	0.85731534	0.99999994
Zfp622	0.27364363	0.19323967	0.20271327	-0.0094736	0.62212931	0.99999994
Cenpb	0.08371882	0.06223948	0.07172023	-0.0094808	0.8105457	0.99999994
Znhit3	0.19850626	0.14624192	0.1557358	-0.0094939	0.65754819	0.99999994
Fmnl2	0.09129222	0.06833483	0.07782878	-0.0094939	0.79159718	0.99999994
BC051226	0.06262585	0.04486111	0.0543888	-0.0095277	0.87820151	0.99999994
Dtx2	0.09999024	0.07524228	0.08477169	-0.0095294	0.77284813	0.99999994
Suclg2	0.19094385	0.14114981	0.15068287	-0.0095331	0.66316602	0.99999994
Cul3	0.25698279	0.18324441	0.19278487	-0.0095405	0.62907603	0.99999994
Stag2	0.21375013	0.15619376	0.16573513	-0.0095414	0.64921658	0.99999994
Trappc2l	1.03625006	0.41866115	0.4282053	-0.0095442	0.55897139	0.99999994
Camkk2	0.06660478	0.04814668	0.05769458	-0.0095479	0.86467416	0.99999994
Urgcp	0.07233654	0.0528783	0.06242666	-0.0095484	0.84568759	0.99999994
Rpl7l1	0.37163111	0.24642843	0.25597861	-0.0095502	0.59806385	0.99999994
Scly	0.33314809	0.22650424	0.23606237	-0.0095581	0.60623326	0.99999994
Mllt10	0.28198302	0.19802502	0.20758329	-0.0095583	0.62038627	0.99999994
Mgrn1	0.16185487	0.12109024	0.13065597	-0.0095657	0.68698863	0.99999994
Myopop	0.06101962	0.04348064	0.05304944	-0.0095688	0.8850549	0.99999994
Elovl5	0.06013812	0.04274284	0.0523132	-0.0095704	0.88833813	0.99999994
Slc36a1	0.08997889	0.0671993	0.07677373	-0.0095744	0.79676232	0.99999994
Vstm2l	0.02264682	0.01061769	0.02019502	-0.0095773	0.99920225	0.99999994

Ifnar2	0.06109264	0.04352937	0.05311039	-0.009581	0.88508476	0.99999994
Pacrg	0.11097417	0.08367939	0.09326071	-0.0095813	0.75296634	0.99999994
Mblac2	0.05857302	0.04142001	0.05100393	-0.0095839	0.89449006	0.99999994
B4galt3	0.33246383	0.22611012	0.23569694	-0.0095868	0.6067056	0.99999994
Tmem101	0.32515903	0.22217901	0.23176955	-0.0095905	0.60851002	0.99999994
Itgav	0.05623121	0.03944312	0.04903988	-0.0095968	0.90364474	0.99999994
Mtdh	0.71165265	0.37540124	0.38500026	-0.009599	0.56590566	0.99999994
Asb13	0.13572113	0.10223473	0.11183652	-0.0096018	0.71616476	0.99999994
Mecr	0.14082892	0.10597243	0.11557801	-0.0096056	0.70993808	0.99999994
Kif3b	0.09484833	0.07106744	0.08067666	-0.0096092	0.7860598	0.99999994
Robo1	0.05576918	0.03904108	0.04865167	-0.0096106	0.90572629	0.99999994
mt-Atp8	0.1800566	0.13368626	0.14329783	-0.0096116	0.67237068	0.99999994
Cds2	0.15017216	0.1127299	0.12234189	-0.009612	0.69950152	0.99999994
Mpv17	0.26583172	0.18847955	0.19809156	-0.009612	0.62664733	0.99999994
Loxl2	0.03208853	0.01881853	0.02843465	-0.0096161	0.98780934	0.99999994
Relt	0.07504676	0.05503451	0.06465197	-0.0096175	0.8389574	0.99999994
Tspyl4	0.14866834	0.11164276	0.12126024	-0.0096175	0.70122742	0.99999994
Slc16a12	0.13864487	0.10436158	0.11398196	-0.0096204	0.71287859	0.99999994
Tmcc3	0.07821457	0.05761525	0.0672431	-0.0096279	0.82971921	0.99999994
Hcfc1r1	0.79810428	0.39352724	0.40315726	-0.00963	0.56316444	0.99999994
Fbxo22	0.24110418	0.17343162	0.18306972	-0.0096381	0.63699508	0.99999994
Usp37	0.08847335	0.06591893	0.07556207	-0.0096431	0.80219175	0.99999994
Tsc1	0.08865195	0.06605461	0.07570593	-0.0096513	0.80194284	0.99999994
Rab39b	0.09021991	0.06729362	0.07696748	-0.0096739	0.79859744	0.99999994
Thoc2	0.4112343	0.26554056	0.27521643	-0.0096759	0.59251514	0.99999994
Ubap1	0.16089543	0.12030142	0.12997917	-0.0096778	0.68991411	0.99999994
Ttc39b	0.0533037	0.03689778	0.04657612	-0.0096783	0.91669288	0.99999994
Dapp1	0.14033574	0.10553671	0.1152181	-0.0096814	0.71202529	0.99999994
Pak2	0.35752954	0.23914276	0.24882457	-0.0096818	0.60218234	0.99999994
Cdh2	0.06315743	0.04512811	0.05483144	-0.0097033	0.88059222	0.99999994

Gm8186	0.18998347	0.140331	0.1500366	-0.0097056	0.66661598	0.99999994
Trappc6a	0.59180791	0.33906539	0.34877596	-0.0097106	0.57351304	0.99999994
Gm16174	0.02844155	0.01555252	0.0252643	-0.0097118	0.99474757	0.99999994
Mrpl44	0.28066966	0.19710707	0.2068206	-0.0097135	0.62271613	0.99999994
Parp6	0.08618606	0.06399252	0.07371678	-0.0097243	0.81004582	0.99999994
Smad4	0.11391706	0.08577597	0.09550943	-0.0097335	0.75122701	0.99999994
Rab34	0.25861253	0.18402952	0.19376785	-0.0097383	0.63101149	0.99999994
Krit1	0.35464805	0.23759729	0.24734227	-0.009745	0.60343656	0.99999994
Sharpin	0.15786669	0.11808418	0.12783541	-0.0097512	0.69418358	0.99999994
Guf1	0.15864143	0.11862649	0.12838477	-0.0097583	0.69354957	0.99999994
Alg1	0.09806276	0.07347958	0.08323979	-0.0097602	0.78244732	0.99999994
Entpd3	0.34244519	0.2312267	0.24098848	-0.0097618	0.60627778	0.99999994
Foxk2	0.06602235	0.04744977	0.05721176	-0.009762	0.87197305	0.99999994
Txnl4a	0.60207898	0.3425747	0.35233845	-0.0097637	0.57317216	0.99999994
Cndp2	0.16777846	0.12504508	0.13481109	-0.009766	0.68516844	0.99999994
Alkbh5	0.18893317	0.13956112	0.14932868	-0.0097676	0.66836071	0.99999994
Ube2d3	1.58151565	0.39065275	0.40043434	-0.0097816	0.56458248	0.99999994
Mapk1ip1l	0.16649362	0.12411648	0.1339132	-0.0097967	0.68685687	0.99999994
Ncor2	0.15304767	0.11460577	0.12440284	-0.0097971	0.69993266	0.99999994
Cox7a1	0.066872	0.04811747	0.05791598	-0.0097985	0.86995013	0.99999994
Tmprss4	0.07025058	0.0509018	0.06070859	-0.0098068	0.85887074	0.99999994
Cdkn1b	0.21634827	0.15760577	0.16741486	-0.0098091	0.65173391	0.99999994
Trmt2a	0.17301562	0.12863168	0.13845185	-0.0098202	0.68158124	0.99999994
Rnpep	0.29594652	0.20576791	0.21559119	-0.0098233	0.61916666	0.99999994
Atg13	0.10572351	0.07939175	0.08922177	-0.00983	0.76833215	0.99999994
Las1l	0.19457035	0.14327822	0.15311372	-0.0098355	0.66552208	0.99999994
Ndufaf6	0.08880943	0.06598778	0.07583275	-0.009845	0.80624998	0.99999994
Tbccd1	0.0620123	0.04403235	0.05387752	-0.0098452	0.88807099	0.99999994
Lrrc8d	0.10386885	0.0779389	0.08778686	-0.009848	0.77238128	0.99999994
Ythdf1	0.1130135	0.08496986	0.09482015	-0.0098503	0.75537078	0.99999994

Rbm3	1.38704492	0.40956005	0.4194114	-0.0098514	0.56212066	0.99999994
Atp6v1h	0.35148371	0.23584993	0.24570666	-0.0098567	0.60527519	0.99999994
Rbm5	0.62861812	0.35139277	0.36125197	-0.0098592	0.57207669	0.99999994
Dct	0.08291269	0.0612011	0.07106651	-0.0098654	0.8222649	0.99999994
Myt1l	0.0427199	0.02772386	0.03758934	-0.0098655	0.95968042	0.99999994
lah1	0.13685231	0.10279624	0.11266778	-0.0098715	0.72012267	0.99999994
Slc39a13	0.07070787	0.05121371	0.06108563	-0.0098719	0.85897381	0.99999994
Nr1h2	0.11571587	0.08699777	0.0968786	-0.0098808	0.75139761	0.99999994
Dctn1	0.14429184	0.10821555	0.1180971	-0.0098816	0.71122204	0.99999994
Med8	0.35281815	0.23651345	0.24639741	-0.009884	0.60527018	0.99999994
Eif4e2	0.58852822	0.33773358	0.34762485	-0.0098913	0.57510999	0.99999994
C2cd2l	0.06584149	0.04717022	0.05706175	-0.0098915	0.87572234	0.99999994
Rab5a	0.49898266	0.30378073	0.31367285	-0.0098921	0.58313401	0.99999994
Hars	0.27611134	0.19426786	0.20416109	-0.0098932	0.62648325	0.99999994
Cuedc1	0.21124309	0.15421339	0.16410766	-0.0098943	0.65590787	0.99999994
Prrc2a	0.21309789	0.15541212	0.16531234	-0.0099002	0.65491925	0.99999994
Tnpo1	0.20789299	0.15202	0.16192269	-0.0099027	0.65802614	0.99999994
Dip2b	0.13619475	0.10226144	0.11218475	-0.0099233	0.72199847	0.99999994
Isoc1	0.18800401	0.13877448	0.14870142	-0.0099269	0.67160952	0.99999994
P4htm	0.09224722	0.06866344	0.07859485	-0.0099314	0.79985733	0.99999994
Ski	0.08442895	0.06236187	0.07229553	-0.0099337	0.81980106	0.99999994
Dhx9	0.32697247	0.22281501	0.23274897	-0.009934	0.61183318	0.99999994
Nagk	0.4333311	0.27548903	0.28542413	-0.0099351	0.59161286	0.99999994
Acyp1	0.38722484	0.25375367	0.26370148	-0.0099478	0.5991327	0.99999994
Slc24a2	0.03242426	0.01877581	0.02872573	-0.0099499	0.98943369	0.99999994
Scrn1	0.12126932	0.09112953	0.10107989	-0.0099504	0.74384856	0.99999994
Tars	0.23347798	0.16835703	0.17831394	-0.0099569	0.64493666	0.99999994
Mkks	0.22140308	0.1607049	0.17066294	-0.009958	0.65113741	0.99999994
Lrfn4	0.08855843	0.06567019	0.0756306	-0.0099604	0.8096562	0.99999994
Pigc	0.17437777	0.12943202	0.13939378	-0.0099618	0.68285436	0.99999994

Tet2	0.10528821	0.0789229	0.08888538	-0.0099625	0.77218442	0.99999994
Nudt5	0.37754184	0.24896268	0.25892924	-0.0099666	0.60110675	0.99999994
Sv2a	0.05207671	0.03556831	0.04554069	-0.0099724	0.92752327	0.99999994
Nudt18	0.12905043	0.096929	0.10690315	-0.0099741	0.73271439	0.99999994
As3mt	0.23706736	0.17058484	0.18055991	-0.0099751	0.64346343	0.99999994
Cdc27	0.13100959	0.09838101	0.10835776	-0.0099768	0.73001763	0.99999994
Atxn2	0.11927453	0.08959807	0.09957516	-0.0099771	0.74759603	0.99999994
Rab9	0.20661268	0.15109819	0.16108443	-0.0099862	0.66006961	0.99999994
Samm50	0.42505534	0.27165375	0.28164416	-0.0099904	0.59332738	0.99999994
Tbc1d22b	0.06969034	0.05024363	0.06024637	-0.0100027	0.86545464	0.99999994
Marveld3	0.20638535	0.15093103	0.16093538	-0.0100044	0.660484	0.99999994
Rbfa	0.22682701	0.16411058	0.1741181	-0.0100075	0.64898333	0.99999994
Tmem230	0.22389754	0.1622347	0.17225582	-0.0100211	0.65071024	0.99999994
Ip6k1	0.13316521	0.09992621	0.10995265	-0.0100264	0.72806955	0.99999994
Hdgf	0.54595255	0.32207607	0.33210309	-0.010027	0.57963984	0.99999994
Spock1	0.10619118	0.07954945	0.08958292	-0.0100335	0.772023	0.99999994
Supt6	0.23972055	0.1721773	0.18221136	-0.0100341	0.64302421	0.99999994
Prkag1	0.26142067	0.18540886	0.19545561	-0.0100467	0.63388025	0.99999994
Snrnp200	0.15614918	0.11656767	0.12661509	-0.0100474	0.70132285	0.99999994
Atox1	0.88677839	0.40646597	0.41651781	-0.0100518	0.56381083	0.99999994
Nedd4	1.07829173	0.41938556	0.42944122	-0.0100557	0.56192958	0.99999994
Il1r1	0.19900341	0.14600827	0.15606582	-0.0100576	0.66602544	0.99999994
Man2a2	0.06311784	0.04473992	0.05479849	-0.0100586	0.88911065	0.99999994
Pef1	0.25720774	0.18285923	0.1929207	-0.0100615	0.63576141	0.99999994
Tead1	0.09411559	0.0700287	0.08009091	-0.0100622	0.79849848	0.99999994
Rbm15b	0.09577639	0.07135431	0.08141776	-0.0100634	0.79467296	0.99999994
Ltv1	0.19232489	0.14154513	0.15161037	-0.0100652	0.67072217	0.99999994
Mthfd1l	0.06299256	0.04462395	0.05469419	-0.0100702	0.88981829	0.99999994
Fbxl2	0.0562207	0.0389532	0.04903105	-0.0100779	0.91436736	0.99999994
Arhgdig	0.08856648	0.06555638	0.07563709	-0.0100807	0.8124988	0.99999994

Wdr46	0.12336261	0.09255795	0.10265371	-0.0100958	0.7436494	0.99999994
Metap1	0.17206826	0.12769495	0.13779554	-0.0101006	0.68719662	0.99999994
Osbp	0.04920326	0.0330072	0.04310927	-0.0101021	0.9405996	0.99999994
Stox2	0.09980347	0.07452109	0.08462342	-0.0101023	0.78658719	0.99999994
Prep	0.09343265	0.06943576	0.07954448	-0.0101087	0.80119763	0.99999994
Ndr3	0.22178306	0.16079316	0.17090604	-0.0101129	0.65316194	0.99999994
Pycr2	0.88157557	0.40577253	0.41588826	-0.0101157	0.56430921	0.99999994
Ext2	0.23625308	0.16993307	0.18005152	-0.0101184	0.64582416	0.99999994
Txnrd2	0.09669646	0.07203223	0.08215161	-0.0101194	0.79387072	0.99999994
Pkdcc	0.15101514	0.11281768	0.12294706	-0.0101294	0.70829314	0.99999994
Mdp1	0.31478659	0.21598037	0.22611303	-0.0101327	0.61725799	0.99999994
Ep300	0.14014311	0.10494046	0.11507744	-0.010137	0.72117907	0.99999994
Nr2c2	0.10436126	0.07802961	0.08816825	-0.0101386	0.77799151	0.99999994
Fam234a	0.1605304	0.11957619	0.12972135	-0.0101452	0.69866892	0.99999994
Vars	0.12089657	0.09064977	0.10079909	-0.0101493	0.74864085	0.99999994
Gin1	0.09071273	0.0672128	0.07736346	-0.0101507	0.8087675	0.99999994
Rcbtb1	0.10677242	0.07987821	0.09003139	-0.0101532	0.77357213	0.99999994
Rom1	0.07410832	0.05371472	0.06388232	-0.0101676	0.85529907	0.99999994
Kcmf1	0.18463661	0.13624822	0.14642028	-0.0101721	0.67811282	0.99999994
Dxo	0.17159405	0.1272936	0.13746663	-0.010173	0.68885052	0.99999994
Psmb10	0.14490361	0.10836375	0.11854067	-0.0101769	0.71615607	0.99999994
Abat	0.085398	0.06289988	0.07307976	-0.0101799	0.82309333	0.99999994
Nipal3	0.10394302	0.07764553	0.08784433	-0.0101988	0.78018215	0.99999994
Aldh2	0.21329913	0.15523638	0.16544283	-0.0102065	0.65933254	0.99999994
Col6a3	0.06256758	0.04413119	0.05434026	-0.0102091	0.89445073	0.99999994
Stxbp1	0.21998293	0.15953932	0.16975304	-0.0102137	0.65560599	0.99999994
Samd4b	0.14178699	0.10606197	0.11627637	-0.0102144	0.72063652	0.99999994
Mns1	0.09673993	0.07196785	0.08218626	-0.0102184	0.79605177	0.99999994
Tvp23b	0.68594371	0.36833562	0.37855589	-0.0102203	0.57130935	0.99999994
Raver1	0.15939478	0.11869746	0.12891831	-0.0102208	0.70115541	0.99999994

Snx30	0.12036739	0.09017126	0.10040014	-0.0102289	0.75116387	0.99999994
4930550C14I	0.04349884	0.0280244	0.03825503	-0.0102306	0.96247222	0.99999994
Sltm	0.52675429	0.31450961	0.32474048	-0.0102309	0.58305182	0.99999994
Gm11789	0.03676198	0.02224174	0.03247488	-0.0102331	0.98202453	0.99999994
Llph	0.60858682	0.34432314	0.35456448	-0.0102413	0.57623234	0.99999994
Eif2a	0.36055587	0.24013262	0.25037407	-0.0102414	0.60729494	0.99999994
Psmc4	0.99130985	0.41562093	0.42586735	-0.0102464	0.56361966	0.99999994
Socs2	0.05746436	0.03982831	0.05007486	-0.0102466	0.91340971	0.99999994
Aagab	0.14717163	0.10992757	0.12018109	-0.0102535	0.71494932	0.99999994
Snx10	0.11264589	0.08428518	0.09453943	-0.0102543	0.76484792	0.99999994
Unc13b	0.0778473	0.0566887	0.06694324	-0.0102545	0.84605	0.99999994
Fbxo3	0.27396173	0.19263934	0.20290021	-0.0102609	0.63179795	0.99999994
Snx21	0.11748859	0.08795681	0.09822381	-0.010267	0.75671246	0.99999994
Smpd1	0.23105538	0.16651773	0.17679077	-0.010273	0.65054453	0.99999994
2310009B15I	0.22510092	0.16274813	0.17302187	-0.0102737	0.65366815	0.99999994
Ric8b	0.0843511	0.061958	0.07223249	-0.0102745	0.82813297	0.99999994
Cpd	0.09684683	0.07198621	0.08227146	-0.0102853	0.79733832	0.99999994
Ssr1	0.60502098	0.34306083	0.35334766	-0.0102868	0.57682719	0.99999994
Tmem164	0.06584689	0.04677584	0.05706623	-0.0102904	0.88498826	0.99999994
Eif2b4	0.24600187	0.17579791	0.1860929	-0.010295	0.6436534	0.99999994
Atp8b1	0.41423604	0.26632349	0.2766246	-0.0103011	0.59788384	0.99999994
Mtx1	0.31413584	0.215448	0.22575492	-0.0103069	0.61939738	0.99999994
Nfxl1	0.10030813	0.07471001	0.08501981	-0.0103098	0.79021674	0.99999994
Bola2	0.596584	0.34013052	0.35044059	-0.0103101	0.57762926	0.99999994
Pepd	0.29861083	0.20678871	0.21709897	-0.0103103	0.62404338	0.99999994
Znrf2	0.12433193	0.09306949	0.10338067	-0.0103112	0.74662432	0.99999994
Slc25a23	0.12695595	0.09502985	0.10534288	-0.010313	0.74268819	0.99999994
2510046G10I	0.11255712	0.08414298	0.09447161	-0.0103286	0.7666146	0.99999994
Dpm3	0.69742957	0.37118454	0.38151384	-0.0103293	0.57150909	0.99999994
Ap1g1	0.15987221	0.11889913	0.1292561	-0.010357	0.70310677	0.99999994

Dido1	0.13019877	0.09739919	0.10775634	-0.0103572	0.73884389	0.99999994
Macf1	0.2404074	0.17227877	0.1826377	-0.0103589	0.64711325	0.99999994
Slc6a6	0.45374116	0.28417176	0.29453251	-0.0103607	0.59256577	0.99999994
Mrpl13	0.35603871	0.23769761	0.2480585	-0.0103609	0.6095024	0.99999994
Lrfn3	0.1152444	0.08615911	0.09652016	-0.0103611	0.76255122	0.99999994
Zfp260	0.20164736	0.1474543	0.15781655	-0.0103622	0.66896494	0.99999994
Extl2	0.07821234	0.05687894	0.06724129	-0.0103623	0.84750485	0.99999994
Gsto1	0.23128094	0.16656923	0.17693284	-0.0103636	0.6516901	0.99999994
Fhit	0.06462547	0.04568793	0.05605227	-0.0103643	0.89079996	0.99999994
Dnajc21	0.16081986	0.11955644	0.12992581	-0.0103694	0.70237492	0.99999994
Sorl1	0.11007941	0.08220089	0.09257488	-0.010374	0.77214063	0.99999994
Ets2	0.13626941	0.10186227	0.11223962	-0.0103773	0.73086376	0.99999994
Ttc8	0.21059057	0.15330053	0.163683	-0.0103825	0.66356601	0.99999994
Ccdc107	0.16177535	0.12021672	0.13059992	-0.0103832	0.70166879	0.99999994
Sgta	0.54149664	0.32001969	0.33041466	-0.010395	0.58293655	0.99999994
Dpf3	0.03723241	0.02248316	0.03288018	-0.010397	0.9823457	0.99999994
1700088E04I	0.17664833	0.13056155	0.14095926	-0.0103977	0.68828654	0.99999994
Abca7	0.06881191	0.04911816	0.05952094	-0.0104028	0.87765929	0.99999994
Nsd1	0.47264576	0.29228714	0.30270232	-0.0104152	0.59057626	0.99999994
Alg14	0.12365908	0.0924517	0.10287617	-0.0104245	0.75000032	0.99999994
Mrps9	0.30467642	0.21007923	0.22050637	-0.0104271	0.62352837	0.99999994
Uchl5	0.2467946	0.1761504	0.18658	-0.0104296	0.64508426	0.99999994
Igsf5	0.08560862	0.06282008	0.07325007	-0.01043	0.82838202	0.99999994
Aida	0.15670541	0.11657287	0.12701067	-0.0104378	0.70781861	0.99999994
Psm4	1.37595265	0.40979853	0.42023804	-0.0104395	0.56566835	0.99999994
Eif4ebp1	0.15388732	0.11456308	0.12500284	-0.0104398	0.71086513	0.99999994
Fahd1	0.16154673	0.11999695	0.13043873	-0.0104418	0.70293123	0.99999994
Usp20	0.09823954	0.07293429	0.08338044	-0.0104462	0.79783937	0.99999994
Zmynd11	0.34278507	0.23071866	0.24116719	-0.0104485	0.61347419	0.99999994
Uchl3	0.46200151	0.28768122	0.29813295	-0.0104517	0.59225663	0.99999994

Ppp2r3a	0.07999493	0.05823969	0.06869472	-0.010455	0.84448606	0.99999994
Atg10	0.17023578	0.12606502	0.13652318	-0.0104582	0.69493949	0.99999994
Iffo1	0.06270521	0.04399378	0.05445491	-0.0104611	0.89950366	0.99999994
Zbtb8os	0.24090907	0.17248658	0.18294879	-0.0104622	0.64827007	0.99999994
Zfp704	0.10124868	0.07528698	0.08575228	-0.0104653	0.79170429	0.99999994
Slc30a9	0.26438939	0.18676138	0.19723169	-0.0104703	0.63809136	0.99999994
Stx7	0.50267261	0.30470129	0.31517257	-0.0104713	0.58751238	0.99999994
Fip1l1	0.62693764	0.35022742	0.36070173	-0.0104743	0.57663483	0.99999994
Esco1	0.18913349	0.13897741	0.14946379	-0.0104864	0.67975373	0.99999994
Mrps35	0.28480929	0.19872494	0.2092189	-0.010494	0.63076051	0.99999994
Snx8	0.08878253	0.06530454	0.07581109	-0.0105066	0.82186486	0.99999994
Taf1	0.12252172	0.09151279	0.10202214	-0.0105093	0.75354079	0.99999994
Capg	0.1051641	0.07827678	0.08878943	-0.0105126	0.78468414	0.99999994
Pom121	0.09070888	0.06684331	0.07736037	-0.0105171	0.81724739	0.99999994
Kti12	0.16441378	0.12193336	0.13245579	-0.0105224	0.70152378	0.99999994
Pdk1	0.07781835	0.05639431	0.06691959	-0.0105253	0.85243383	0.99999994
Uros	0.10716755	0.07979764	0.09033601	-0.0105384	0.78127722	0.99999994
Setd1b	0.15130626	0.11261227	0.12315587	-0.0105436	0.71561466	0.99999994
Rpp14	0.16812076	0.12450036	0.13504999	-0.0105496	0.69845813	0.99999994
Chchd6	0.30643972	0.21093708	0.22149072	-0.0105536	0.62444029	0.99999994
Cers5	0.2219653	0.16046675	0.17102259	-0.0105558	0.6594062	0.99999994
Flnb	0.05434186	0.03688677	0.04745091	-0.0105641	0.93081991	0.99999994
Arid1b	0.08978097	0.06604919	0.07661457	-0.0105654	0.82067284	0.99999994
Rora	0.0853375	0.0624645	0.07303082	-0.0105663	0.8322419	0.99999994
Fryl	0.23229301	0.16699883	0.17756965	-0.0105708	0.65404223	0.99999994
Tbc1d9b	0.07205979	0.05162096	0.06219899	-0.010578	0.871189	0.99999994
N4bp2	0.2070294	0.15077931	0.16135751	-0.0105782	0.66871746	0.99999994
Tshz1	0.29243735	0.20301421	0.21359554	-0.0105813	0.62920561	0.99999994
Nfe2l1	0.30749382	0.21149528	0.22207785	-0.0105826	0.62445111	0.99999994
Acyp2	0.12253321	0.09144441	0.10203077	-0.0105864	0.75510442	0.99999994

Slc31a1	0.33574338	0.22684997	0.23744482	-0.0105948	0.6167699	0.99999994
Wfikkn2	0.04173866	0.02613591	0.03674979	-0.0106139	0.97272564	0.99999994
Ift122	0.11255973	0.08385386	0.0944736	-0.0106197	0.77284189	0.99999994
Cib2	0.33268046	0.22519271	0.23581267	-0.01062	0.61782489	0.99999994
Cby1	0.31687992	0.21664168	0.22726212	-0.0106204	0.62212465	0.99999994
Usp8	0.19579822	0.14330511	0.1539335	-0.0106284	0.6770949	0.99999994
Aen	0.14470627	0.10776492	0.11839764	-0.0106327	0.72500503	0.99999994
Lcor	0.20258972	0.14780218	0.15843875	-0.0106366	0.67251402	0.99999994
Inpp4a	0.07582974	0.05464947	0.0652934	-0.0106439	0.8610612	0.99999994
Xpnpep1	0.25098119	0.17848553	0.18914235	-0.0106568	0.64618398	0.99999994
Fam110b	0.1208026	0.09005788	0.10072827	-0.0106704	0.75963346	0.99999994
Herc1	0.23179573	0.16658619	0.17725688	-0.0106707	0.65568181	0.99999994
Ipo4	0.10104556	0.07492015	0.08559419	-0.010674	0.79675393	0.99999994
Oat	0.18100502	0.13327063	0.14394631	-0.0106757	0.68922827	0.99999994
Smarcc2	0.22583352	0.16280437	0.17348751	-0.0106831	0.65905669	0.99999994
Fgf12	0.07395298	0.05307046	0.06375482	-0.0106844	0.86768332	0.99999994
Dgkd	0.10849222	0.0806688	0.09135584	-0.010687	0.78191512	0.99999994
Psmg3	0.2671761	0.18819859	0.19889126	-0.0106927	0.63977403	0.99999994
Nfk	0.2994944	0.20690319	0.21759752	-0.0106943	0.62821972	0.99999994
Txndc15	0.47275673	0.29205316	0.30274953	-0.0106964	0.59296323	0.99999994
Cbx4	0.07379626	0.05292661	0.06362618	-0.0106996	0.86850531	0.99999994
Hipk1	0.12694687	0.09463125	0.10533611	-0.0107049	0.75062492	0.99999994
Mdm2	0.25774441	0.18253915	0.19324456	-0.0107054	0.64384323	0.99999994
Snap47	0.33616773	0.22696458	0.23767032	-0.0107057	0.61784741	0.99999994
Mrpl32	0.63067286	0.35121361	0.36192271	-0.0107091	0.57806979	0.99999994
Rab6a	0.48593566	0.29758535	0.30829742	-0.0107121	0.59145176	0.99999994
Ankrd13c	0.16636886	0.12311152	0.13382591	-0.0107144	0.70295624	0.99999994
Mark2	0.25184817	0.17894628	0.18967084	-0.0107246	0.64667927	0.99999994
Gfer	0.20188763	0.14725043	0.15797527	-0.0107248	0.67432801	0.99999994
Rab14	1.16783051	0.4188915	0.42961783	-0.0107263	0.56599638	0.99999994

Lars	0.32491971	0.22091198	0.23164009	-0.0107281	0.62106559	0.99999994
Galk2	0.3503389	0.23438053	0.24511289	-0.0107324	0.61464684	0.99999994
Birc2	0.11785207	0.08776087	0.09849916	-0.0107383	0.76597949	0.99999994
Slc25a39	0.38152569	0.25013661	0.26090155	-0.0107649	0.60820542	0.99999994
Gna11	0.36911879	0.2439508	0.25471588	-0.0107651	0.61076687	0.99999994
Sirt3	0.14764234	0.10975376	0.12052076	-0.010767	0.72396492	0.99999994
Tor1b	0.25315293	0.17969691	0.19046481	-0.0107679	0.64665909	0.99999994
Gpr89	0.23761802	0.17013087	0.18090334	-0.0107725	0.65408542	0.99999994
Atg4d	0.18967438	0.13905288	0.1498284	-0.0107755	0.68393081	0.99999994
Akr7a5	0.42051344	0.26877034	0.27954787	-0.0107775	0.601266	0.99999994
Lats1	0.1268509	0.09448397	0.10526449	-0.0107805	0.75228631	0.99999994
Irak1bp1	0.18917679	0.1387067	0.14949299	-0.0107863	0.68448332	0.99999994
Usp47	0.17286179	0.12755873	0.13834535	-0.0107866	0.69811552	0.99999994
Ggact	0.04337054	0.02735022	0.03814543	-0.0107952	0.9702012	0.99999994
Ogfr	0.35590936	0.23718843	0.24799195	-0.0108035	0.61408328	0.99999994
Igsf1	0.14055042	0.10454761	0.1153748	-0.0108272	0.73390175	0.99999994
Dcaf12	0.11207787	0.08327774	0.09410533	-0.0108276	0.77812287	0.99999994
Eif3c	0.91287328	0.40859252	0.41942313	-0.0108306	0.56823594	0.99999994
Dgcr6	0.43701714	0.27626009	0.28709182	-0.0108317	0.59914661	0.99999994
Stx18	0.25284939	0.17943436	0.19028025	-0.0108459	0.64780815	0.99999994
Smarca2	0.28519865	0.19859727	0.20944359	-0.0108463	0.63484325	0.99999994
Taf7	0.41519737	0.26622762	0.27707416	-0.0108465	0.60278968	0.99999994
Nudt3	0.18654996	0.13686157	0.14771793	-0.0108564	0.68765037	0.99999994
Nrbp1	0.26190589	0.18488673	0.19574647	-0.0108597	0.64404246	0.99999994
Traf7	0.14794173	0.10986915	0.12073668	-0.0108675	0.72546013	0.99999994
Gm11808	0.551435	0.32329472	0.33416339	-0.0108687	0.58570022	0.99999994
St6galnac6	0.0708041	0.05029502	0.06116495	-0.0108699	0.88158251	0.99999994
Prkag2	0.04466271	0.02837643	0.0392484	-0.010872	0.96739673	0.99999994
Zdhhc12	0.36381106	0.24115857	0.25203156	-0.010873	0.61300683	0.99999994
Mitd1	0.12740965	0.09480632	0.10568132	-0.010875	0.75331666	0.99999994

Cad	0.04324802	0.02716464	0.03804075	-0.0108761	0.97148609	0.99999994
Ap3m1	0.22527243	0.16225233	0.17313093	-0.0108786	0.6621174	0.99999994
Atp13a1	0.10141938	0.07500385	0.08588509	-0.0108812	0.80047793	0.99999994
Esyt1	0.07911173	0.05709271	0.06797502	-0.0108823	0.85670565	0.99999994
Cyfip1	0.21751202	0.15727787	0.16816498	-0.0108871	0.66674288	0.99999994
Gm30173	0.03986802	0.02425783	0.03514624	-0.0108884	0.98040372	0.99999994
Aldh18a1	0.10143908	0.07501032	0.08590042	-0.0108901	0.80062763	0.99999994
Atp6v0a1	0.10779131	0.07992493	0.0908165	-0.0108916	0.78764983	0.99999994
Pdcd11	0.09722094	0.07167762	0.08256955	-0.0108919	0.81004296	0.99999994
Fam187b	0.11747039	0.08731402	0.09821003	-0.010896	0.76989339	0.99999994
Ctdnep1	0.14358654	0.10667854	0.11758518	-0.0109066	0.73151856	0.99999994
Sacm1l	0.14029156	0.10427424	0.11518584	-0.0109116	0.73583582	0.99999994
Zfp688	0.10802492	0.08008466	0.09099633	-0.0109117	0.78761864	0.99999994
Glis3	0.1020263	0.07544336	0.08635701	-0.0109137	0.79988738	0.99999994
Nudt7	0.22994324	0.16517358	0.17608956	-0.010916	0.66006285	0.99999994
Dhps	0.21782927	0.1574342	0.16836923	-0.010935	0.66724137	0.99999994
Lancl1	0.24186556	0.17260619	0.18354125	-0.0109351	0.6541591	0.99999994
Ap2a1	0.18492498	0.13567724	0.1466161	-0.0109389	0.69027267	0.99999994
Usp50	0.22055618	0.15917983	0.17012057	-0.0109407	0.66570417	0.99999994
Nmt2	0.29302537	0.20297915	0.21393072	-0.0109516	0.63335536	0.99999994
Cisd3	0.27069698	0.19002149	0.20097697	-0.0109555	0.64163986	0.99999994
Eif2d	0.15193137	0.11264841	0.1236039	-0.0109555	0.72239748	0.99999994
Mapk8ip2	0.14545328	0.1079628	0.11893884	-0.010976	0.73048126	0.99999994
Stard7	0.24303811	0.17328338	0.18426629	-0.0109829	0.65422113	0.99999994
Rgs11	0.04597571	0.02938263	0.04036723	-0.0109846	0.96495333	0.99999994
Slc37a3	0.09621612	0.07078234	0.08176859	-0.0109863	0.81442837	0.99999994
Gnl2	0.26191191	0.18474249	0.19575008	-0.0110076	0.64591167	0.99999994
Dnaja2	0.64231871	0.35467069	0.36567989	-0.0110092	0.57941497	0.99999994
Armc1	0.44976218	0.28176826	0.29278016	-0.0110119	0.59884379	0.99999994
Ghdc	0.09512437	0.06988179	0.08089718	-0.0110154	0.81762873	0.99999994

Lpgat1	0.12233864	0.09086391	0.10188452	-0.0110206	0.76423826	0.99999994
Zfp652	0.09756188	0.07181725	0.08284109	-0.0110238	0.81213082	0.99999994
Ccdc47	0.41379865	0.26539537	0.27641983	-0.0110245	0.60467847	0.99999994
P4ha1	0.16589115	0.12246241	0.13349153	-0.0110291	0.70882346	0.99999994
Chd9	0.1689011	0.12455975	0.1355941	-0.0110344	0.70598053	0.99999994
Nfx1	0.19215907	0.14045838	0.15149914	-0.0110408	0.68619492	0.99999994
Son	1.39789586	0.40752286	0.4185641	-0.0110412	0.56969082	0.99999994
Zzef1	0.09193226	0.0673004	0.0783423	-0.0110419	0.82592307	0.99999994
Gm10138	0.07036487	0.04975256	0.06080285	-0.0110503	0.88680768	0.99999994
Necap1	0.28005411	0.19541138	0.20646259	-0.0110512	0.63918868	0.99999994
Mettl1	0.30434929	0.20927212	0.22032345	-0.0110513	0.63076496	0.99999994
Sobp	0.09701956	0.07134855	0.08240911	-0.0110606	0.81417452	0.99999994
Serpinb6a	0.2722727	0.19083804	0.20190647	-0.0110684	0.64240647	0.99999994
Magt1	0.51540474	0.30920922	0.32027827	-0.0110691	0.59097301	0.99999994
Grtp1	0.12098976	0.08980018	0.1008693	-0.0110691	0.7674426	0.99999994
Gm5617	0.41524235	0.26602413	0.27709518	-0.011071	0.60486031	0.99999994
Pla2g6	0.21498771	0.15546021	0.16653611	-0.0110759	0.67100777	0.99999994
Clint1	0.24692336	0.17558192	0.18665906	-0.0110771	0.65358473	0.99999994
Stk32a	0.04084407	0.0249023	0.03598342	-0.0110811	0.97980953	0.99999994
Ddx54	0.22210566	0.16002946	0.17111232	-0.0110829	0.66681277	0.99999994
Sdc3	0.05974173	0.04089573	0.05198186	-0.0110861	0.92213734	0.99999994
Ngdn	0.52726275	0.31385207	0.32493849	-0.0110864	0.58982898	0.99999994
Pccb	0.19388661	0.14156378	0.15265652	-0.0110927	0.68569434	0.99999994
Nbea	0.21075636	0.15269493	0.16379093	-0.011096	0.67398161	0.99999994
Bcl2l2	0.04786047	0.03086033	0.04196989	-0.0111096	0.9609619	0.99999994
Cul7	0.12779966	0.09485661	0.10597204	-0.0111154	0.75746969	0.99999994
Uxt	0.2243358	0.16141411	0.17253497	-0.0111209	0.66605302	0.99999994
Fem1a	0.10798417	0.07984357	0.09096496	-0.0111214	0.79212238	0.99999994
Agpat5	0.11834348	0.0877424	0.09887116	-0.0111288	0.7731399	0.99999994
lfrd1	0.17525427	0.12886842	0.13999878	-0.0111304	0.70166751	0.99999994

9530068E07I	0.64317145	0.35481927	0.36594991	-0.0111306	0.58022074	0.99999994
Ocel1	0.09323719	0.06825529	0.07938799	-0.0111327	0.8247013	0.99999994
Pde4dip	0.07206666	0.05107093	0.06220464	-0.0111337	0.88324974	0.99999994
Got1	0.09433211	0.06912683	0.08026405	-0.0111372	0.8221574	0.99999994
Dtnbos	0.16700949	0.12313616	0.13427393	-0.0111378	0.70957116	0.99999994
Cdk11b	0.3652771	0.24163616	0.25277525	-0.0111391	0.61536385	0.99999994
B4galt5	0.07996341	0.05752518	0.06866905	-0.0111439	0.85997749	0.99999994
Wdfy1	0.26880277	0.1887082	0.19985652	-0.0111483	0.64479377	0.99999994
Xrcc5	0.20695114	0.15014778	0.16130624	-0.0111585	0.67740621	0.99999994
Wbp11	0.52469188	0.31277691	0.32393569	-0.0111588	0.59068021	0.99999994
Prkcz	0.11658754	0.08638043	0.09754054	-0.0111601	0.77684689	0.99999994
Ybx3	0.08904003	0.06484781	0.0760184	-0.0111706	0.8359936	0.99999994
Gtf3c1	0.19983186	0.14544449	0.15661519	-0.0111707	0.68252441	0.99999994
Sephs2	0.38641179	0.25213081	0.26330358	-0.0111728	0.61120061	0.99999994
Mmgt2	0.12494698	0.09266595	0.10384135	-0.0111754	0.76311449	0.99999994
Rnf14	0.21248297	0.15373756	0.16491335	-0.0111758	0.67403611	0.99999994
Faim	0.29704475	0.20503091	0.21621347	-0.0111826	0.63467726	0.99999994
Fbxl15	0.26380391	0.18568688	0.19688208	-0.0111952	0.64746927	0.99999994
Il6ra	0.08259462	0.05960847	0.07080839	-0.0111999	0.85379523	0.99999994
Pld3	0.5441832	0.32021795	0.33143409	-0.0112161	0.58911131	0.99999994
Rab10	0.55556092	0.32448135	0.33570156	-0.0112202	0.58802857	0.99999994
Ngrn	0.39453295	0.25603007	0.26725426	-0.0112242	0.61009044	0.99999994
Ift88	0.15104983	0.11174672	0.12297195	-0.0112252	0.72827742	0.99999994
Dpm1	0.25428393	0.17992459	0.19115143	-0.0112268	0.6520813	0.99999994
Anxa7	0.21741343	0.15686346	0.16810148	-0.011238	0.67183831	0.99999994
Rab3gap1	0.13886161	0.10290198	0.1141406	-0.0112386	0.74389644	0.99999994
Rb1cc1	0.29366107	0.20305135	0.21429273	-0.0112414	0.63652277	0.99999994
Tmem115	0.20542959	0.14906264	0.16030814	-0.0112455	0.6797282	0.99999994
Med21	0.50946507	0.30665832	0.3179093	-0.011251	0.59311759	0.99999994
Aprt	0.60452915	0.34192818	0.35317928	-0.0112511	0.58396563	0.99999994

Ube2o	0.08632626	0.06257799	0.07383004	-0.0112521	0.84481861	0.99999994
Ncln	0.1699086	0.12504021	0.13629562	-0.0112554	0.70873312	0.99999994
Tspan17	0.13016309	0.09647415	0.10772986	-0.0112557	0.75661706	0.99999994
Kmt2c	0.23638592	0.16887799	0.1801345	-0.0112565	0.6612776	0.99999994
Tnfrsf9	0.03430785	0.019098	0.0303564	-0.0112584	0.9932192	0.99999994
Cct7	1.59470937	0.38786016	0.39912292	-0.0112628	0.57449673	0.99999994
Rab33b	0.14316099	0.1059973	0.11727602	-0.0112787	0.73896511	0.99999994
Nnt	0.10362093	0.0763118	0.08759472	-0.0112829	0.8043864	0.99999994
Tmco3	0.12917212	0.09570609	0.10699363	-0.0112875	0.75873155	0.99999994
Mettl23	0.20910396	0.15142532	0.16271384	-0.0112885	0.67788578	0.99999994
Rpusd1	0.15492379	0.11445104	0.12574236	-0.0112913	0.7249876	0.99999994
Ivd	0.33909177	0.22792433	0.23922002	-0.0112957	0.62335554	0.99999994
Ccny	0.12535637	0.09284544	0.10414772	-0.0113023	0.76496311	0.99999994
Tor1aip2	0.44283078	0.278393	0.28970097	-0.011308	0.60249841	0.99999994
Llgl2	0.22466122	0.16143256	0.17274213	-0.0113096	0.66850811	0.99999994
Cap1	0.58728366	0.33587684	0.34718645	-0.0113096	0.58582996	0.99999994
Npnt	0.07739094	0.05525659	0.06657043	-0.0113138	0.87102883	0.99999994
Cr1l	0.26196594	0.18446599	0.19578245	-0.0113165	0.64978699	0.99999994
Ireb2	0.17109269	0.12579775	0.13711863	-0.0113209	0.70869172	0.99999994
Lsm5	0.57745836	0.33237152	0.34369386	-0.0113223	0.5867844	0.99999994
Lsm4	0.79487297	0.39122391	0.40255563	-0.0113317	0.57431587	0.99999994
Nfat5	0.25271631	0.1788658	0.1901993	-0.0113335	0.65418198	0.99999994
Luc7l2	0.72844101	0.37751485	0.38884861	-0.0113338	0.57691708	0.99999994
Abca5	0.06502503	0.04504889	0.05638415	-0.0113353	0.90957927	0.99999994
Mrpl36	0.36965978	0.24364189	0.25498822	-0.0113463	0.61645788	0.99999994
Spns1	0.1660317	0.12223933	0.13358994	-0.0113506	0.71415502	0.99999994
Setx	0.09111574	0.06632932	0.0776871	-0.0113578	0.83476145	0.99999994
Ddit3	0.20874085	0.15110347	0.16247678	-0.0113733	0.67937167	0.99999994
Hnrnp1	0.70718147	0.37255558	0.3839305	-0.0113749	0.57816905	0.99999994
Coprs	0.30109942	0.20712233	0.21850104	-0.0113787	0.6355684	0.99999994

Clpx	0.21682918	0.15633556	0.167725	-0.0113894	0.67436664	0.99999994
Khdrbs3	0.08850198	0.06418345	0.07558513	-0.0114017	0.84233052	0.99999994
Wbp2	0.56041918	0.32609503	0.33749979	-0.0114048	0.58898358	0.99999994
Elovl6	0.06561446	0.04546653	0.05687341	-0.0114069	0.90906833	0.99999994
Ube3a	0.68882141	0.36790365	0.37931181	-0.0114082	0.57933646	0.99999994
2010320M18	0.26393219	0.18554923	0.19695871	-0.0114095	0.65010027	0.99999994
Ilkap	0.51296676	0.30789905	0.31930862	-0.0114096	0.5939996	0.99999994
Arid1a	0.39958671	0.25826875	0.26968623	-0.0114175	0.61095337	0.99999994
Ech1	0.41925283	0.26754011	0.27896316	-0.0114231	0.60740666	0.99999994
Coq10b	0.23965803	0.17074345	0.18217253	-0.0114291	0.66188188	0.99999994
Ranbp3	0.31544506	0.2150447	0.22647489	-0.0114302	0.63154435	0.99999994
Phyh	0.50031176	0.30277014	0.3142142	-0.0114441	0.59577752	0.99999994
Golph3	0.24614411	0.17473574	0.18618034	-0.0114446	0.65879245	0.99999994
Tmed8	0.19597763	0.14260353	0.15405314	-0.0114496	0.68960004	0.99999994
Cry2	0.09419411	0.06870073	0.08015371	-0.011453	0.82922602	0.99999994
Scaper	0.1404276	0.10383163	0.11528516	-0.0114535	0.7457919	0.99999994
Clns1a	0.47643041	0.29284712	0.30430775	-0.0114606	0.59897204	0.99999994
Ccdc6	0.07418346	0.05248126	0.06394397	-0.0114627	0.88361046	0.99999994
Rab1b	0.27103757	0.18971134	0.20117808	-0.0114667	0.64780407	0.99999994
Gm20604	0.1907798	0.1390935	0.15057255	-0.0114791	0.69408198	0.99999994
Apoo	0.33731001	0.22678842	0.23827657	-0.0114881	0.6258669	0.99999994
Sigmar1	0.3118213	0.21298863	0.22447797	-0.0114893	0.63333118	0.99999994
Lamtor4	0.82437324	0.39613465	0.40763188	-0.0114972	0.57446057	0.99999994
Vldlr	0.09559126	0.06976677	0.08126999	-0.0115032	0.82694548	0.99999994
Vta1	0.48008836	0.29434101	0.30585027	-0.0115093	0.59889235	0.99999994
Pnpo	0.10419971	0.0765234	0.08804315	-0.0115198	0.80810434	0.99999994
Tpd52l2	0.46526281	0.28801746	0.29954149	-0.011524	0.60105738	0.99999994
Dalrd3	0.24835063	0.1760032	0.18753435	-0.0115311	0.65883562	0.99999994
Npepps	0.43264836	0.27358177	0.28511416	-0.0115324	0.60612691	0.99999994
Morf4l2	1.55923295	0.39130111	0.40283866	-0.0115375	0.57559704	0.99999994

Srebf1	0.06503785	0.04484913	0.05639479	-0.0115457	0.9135195	0.99999994
Atg5	0.26849347	0.1881222	0.19967324	-0.011551	0.64990658	0.99999994
Ppp3cb	0.22206798	0.15952237	0.17108824	-0.0115659	0.67363816	0.99999994
Mapk14	0.09279447	0.06745935	0.07903342	-0.0115741	0.83516835	0.99999994
Gm9843	0.66267154	0.3604199	0.37199752	-0.0115776	0.58205938	0.99999994
Clip1	0.1529564	0.11275168	0.12433758	-0.0115859	0.73245208	0.99999994
Abca3	0.10380693	0.07614097	0.08773887	-0.0115979	0.81053826	0.99999994
Pcx	0.05556319	0.0368805	0.04847852	-0.011598	0.94436039	0.99999994
Zfp398	0.11009241	0.08098438	0.09258485	-0.0116005	0.79786293	0.99999994
Prpf4	0.13130778	0.09697664	0.10857872	-0.0116021	0.76153817	0.99999994
Nebi	0.04517406	0.02806769	0.03968437	-0.0116167	0.97432212	0.99999994
Rangap1	0.5562292	0.32432889	0.33594975	-0.0116209	0.59105144	0.99999994
U2af1	1.09754106	0.41808787	0.42971687	-0.011629	0.57147646	0.99999994
Stk16	0.43794701	0.27588103	0.28751096	-0.0116299	0.60613223	0.99999994
Exoc4	0.15301589	0.11274394	0.12438012	-0.0116362	0.73326727	0.99999994
Eif4g3	0.37678276	0.24691038	0.25855202	-0.0116416	0.6178013	0.99999994
Ubr3	0.12974681	0.095768	0.10742074	-0.0116527	0.76487289	0.99999994
Srd5a3	0.15271381	0.11249954	0.12416404	-0.0116645	0.73412175	0.99999994
6430548M08	0.03554459	0.01974754	0.03142485	-0.0116773	0.99330955	0.99999994
Becn1	0.41890026	0.26711214	0.27879942	-0.0116873	0.60989088	0.99999994
Cltb	0.79920956	0.39166823	0.40336192	-0.0116937	0.57650936	0.99999994
Blzf1	0.14326055	0.10563473	0.11734836	-0.0117136	0.74679334	0.99999994
Ankrd17	0.29686442	0.20439542	0.21611137	-0.011716	0.64089727	0.99999994
Vgf	0.06001084	0.0404854	0.05220683	-0.0117214	0.93247476	0.99999994
Nudt22	0.09772319	0.07124701	0.08296952	-0.0117225	0.82650835	0.99999994
Gm19412	0.10199714	0.0746104	0.08633435	-0.0117239	0.81697935	0.99999994
Clcn4	0.19165864	0.13942471	0.15116324	-0.0117385	0.69738598	0.99999994
Hivep3	0.06038952	0.04078232	0.05252327	-0.0117409	0.93161781	0.99999994
Dnajc13	0.15167207	0.11167374	0.12341811	-0.0117444	0.73676822	0.99999994
Trim44	0.18567639	0.13537632	0.14712596	-0.0117496	0.702493	0.99999994

Sf3b3	0.14020654	0.10337286	0.11512376	-0.0117509	0.75156631	0.99999994
Abcb10	0.10830703	0.07946104	0.0912134	-0.0117524	0.80445322	0.99999994
Atp2c1	0.27153889	0.18971153	0.20147389	-0.0117624	0.65121719	0.99999994
Anapc11	0.74869717	0.38154406	0.39331464	-0.0117706	0.57894777	0.99999994
Lrif1	0.18408924	0.13427733	0.14604831	-0.011771	0.70418621	0.99999994
Cyp20a1	0.1181786	0.08697307	0.09874638	-0.0117733	0.78629239	0.99999994
Pold2	0.15918761	0.11699151	0.12877165	-0.0117801	0.72871422	0.99999994
Rabl6	0.32276026	0.21868591	0.23046967	-0.0117838	0.63319791	0.99999994
Acot8	0.21090016	0.15209972	0.16388453	-0.0117848	0.68390753	0.99999994
Gmfb	0.18819837	0.13703878	0.1488327	-0.0117939	0.70106594	0.99999994
Amfr	0.18252441	0.13318912	0.14498312	-0.011794	0.70591071	0.99999994
Prkcb	0.10099406	0.07375886	0.08555409	-0.0117952	0.82061288	0.99999994
Il6st	0.06076214	0.04103656	0.05283448	-0.0117979	0.93140831	0.99999994
Lysmd3	0.13754961	0.10136257	0.11317945	-0.0118169	0.75646583	0.99999994
Sppl2a	0.10264828	0.07501618	0.08684016	-0.011824	0.81761575	0.99999994
Paip2b	0.08668294	0.06229081	0.07411811	-0.0118273	0.85592297	0.99999994
H2-K1	0.35801209	0.23723273	0.24907214	-0.0118394	0.62415191	0.99999994
Hsd12	0.17139276	0.12548173	0.13732695	-0.0118452	0.71706612	0.99999994
Lgals3bp	0.29502124	0.20321086	0.21506607	-0.0118552	0.64316151	0.99999994
Mrpl23	0.87783844	0.40357201	0.41542898	-0.011857	0.57533862	0.99999994
Mrpl11	0.52891865	0.31372325	0.32558221	-0.011859	0.59578435	0.99999994
Rpl38	2.25235901	0.35792402	0.36978344	-0.0118594	0.58452286	0.99999994
Psen2	0.1327038	0.09774623	0.10961173	-0.0118655	0.76440763	0.99999994
Mtmr6	0.10343615	0.07558581	0.08745146	-0.0118657	0.81677759	0.99999994
Nsfl1c	0.59459537	0.33787032	0.34974954	-0.0118792	0.58943144	0.99999994
Polr3h	0.19118034	0.13895817	0.15084186	-0.0118837	0.70000129	0.99999994
Pi4ka	0.09209554	0.066584	0.07847324	-0.0118892	0.84338904	0.99999994
Dmxl2	0.08434927	0.06033451	0.07223101	-0.0118965	0.86352783	0.99999994
Matr3	0.56792307	0.3283453	0.34024895	-0.0119036	0.59207016	0.99999994
Ctnnbip1	0.64890835	0.35584177	0.36775659	-0.0119148	0.58537244	0.99999994

Mroh1	0.08738073	0.06275593	0.07468127	-0.0119253	0.85608822	0.99999994
Fam20a	0.03872486	0.02223741	0.03416434	-0.0119269	0.98993095	0.99999994
Ehmt2	0.26150958	0.18357883	0.19550892	-0.0119301	0.65769318	0.99999994
Sec24a	0.10115579	0.07374698	0.08567999	-0.011933	0.82305191	0.99999994
R3hdm2	0.15209774	0.11178783	0.12372306	-0.0119352	0.73960267	0.99999994
Ctso	0.18407588	0.13409799	0.14603923	-0.0119412	0.70687305	0.99999994
Thop1	0.16667064	0.12209316	0.13403702	-0.0119439	0.72345586	0.99999994
Gle1	0.15725741	0.11545876	0.1274029	-0.0119441	0.73369911	0.99999994
Uap1	0.198747	0.14394918	0.15589564	-0.0119465	0.69500387	0.99999994
Tlk1	0.15719732	0.11541286	0.12736021	-0.0119474	0.73382306	0.99999994
Ncor1	0.50931538	0.30589673	0.3178493	-0.0119526	0.59882586	0.99999994
Tm2d3	0.45848128	0.28465134	0.29660436	-0.011953	0.60574582	0.99999994
Mrps17	0.68953828	0.36754142	0.37949672	-0.0119553	0.58304736	0.99999994
Qrich1	0.27894031	0.1938486	0.20581389	-0.0119653	0.65061344	0.99999994
Mib1	0.15946685	0.11700093	0.12896932	-0.0119684	0.73161727	0.99999994
Alg12	0.06553354	0.04481322	0.05680626	-0.011993	0.92003434	0.99999994
Ptcd2	0.16868237	0.12344606	0.13544166	-0.0119956	0.72224722	0.99999994
Fto	0.1173697	0.08612636	0.09813372	-0.0120074	0.79230727	0.99999994
Bcat2	0.08723684	0.06255309	0.07456518	-0.0120121	0.85820905	0.99999994
Usp7	0.13445338	0.098889	0.11090309	-0.0120141	0.76457002	0.99999994
Max	0.30046264	0.20609788	0.21814285	-0.012045	0.64339084	0.99999994
Galnt11	0.19872379	0.14383258	0.15588023	-0.0120476	0.69653325	0.99999994
Tpcn1	0.14097891	0.10363462	0.11568741	-0.0120528	0.75599799	0.99999994
Abhd17c	0.08861829	0.06361905	0.07567882	-0.0120598	0.85559169	0.99999994
Ddx41	0.40372286	0.25959613	0.27166218	-0.012066	0.61624994	0.99999994
Clptm1	0.51991388	0.30999471	0.32206102	-0.0120663	0.59846916	0.99999994
Naglu	0.09322904	0.06731206	0.07938147	-0.0120694	0.84424376	0.99999994
Slc35c1	0.05200225	0.03340372	0.04547779	-0.0120741	0.96140446	0.99999994
Kdm5c	0.1968738	0.14257496	0.15465027	-0.0120753	0.69837675	0.99999994
Emc8	0.39507512	0.25543905	0.2675161	-0.012077	0.61810285	0.99999994

Tollip	0.12956584	0.09520204	0.10728628	-0.0120842	0.77329498	0.99999994
Polr1c	0.3904709	0.25319349	0.26528497	-0.0120915	0.61920429	0.99999994
Disp2	0.27425312	0.19097116	0.20307139	-0.0121002	0.65417846	0.99999994
Ormdl3	0.26131934	0.18326774	0.19539484	-0.0121271	0.66024213	0.99999994
Fkbp5	0.11484772	0.08408964	0.09621833	-0.0121287	0.79928202	0.99999994
Fdx1	0.39940939	0.25746187	0.26960123	-0.0121394	0.6178033	0.99999994
Gnaq	0.25049769	0.1767073	0.1888473	-0.01214	0.66563884	0.99999994
Mapk1	0.42916878	0.27137752	0.28352919	-0.0121517	0.61228608	0.99999994
Fam207a	0.24913349	0.17585817	0.18801359	-0.0121554	0.66652794	0.99999994
Nemf	0.34582807	0.23059996	0.24276278	-0.0121628	0.63061955	0.99999994
Mga	0.24488355	0.17323513	0.18540467	-0.0121695	0.66891105	0.99999994
Pak1ip1	0.43992424	0.27621898	0.28839965	-0.0121807	0.61069611	0.99999994
Supt5	0.35978692	0.23779481	0.24998109	-0.0121863	0.62721624	0.99999994
Mrpl10	0.29679078	0.20386876	0.21606966	-0.0122009	0.64649235	0.99999994
Ccpg1	0.19162476	0.13893146	0.15114048	-0.012209	0.70460648	0.99999994
Fkbp1a	1.70261368	0.37656724	0.38878341	-0.0122162	0.58283559	0.99999994
Lsm2	0.36588217	0.24085765	0.25308169	-0.012224	0.62608696	0.99999994
Larp4	0.21338651	0.15327393	0.16549948	-0.0122255	0.68853755	0.99999994
Tbc1d15	0.21548482	0.15462919	0.1668574	-0.0122282	0.68715911	0.99999994
Aacs	0.35743773	0.23654349	0.24877744	-0.0122339	0.6282927	0.99999994
Tpd52	1.24212666	0.41539882	0.42763725	-0.0122384	0.57553991	0.99999994
Fam219a	0.14419828	0.10578647	0.11802923	-0.0122428	0.75504141	0.99999994
Prkar2a	0.12082152	0.08849699	0.10074253	-0.0122455	0.79077099	0.99999994
Slc25a1	0.1708151	0.12467882	0.13692583	-0.012247	0.72419932	0.99999994
Hip1r	0.19068865	0.13825374	0.15051124	-0.0122575	0.70612094	0.99999994
Vps26b	0.12602896	0.09238906	0.10465064	-0.0122616	0.78227649	0.99999994
Tmem87b	0.18867864	0.13689505	0.14915695	-0.0122619	0.70788143	0.99999994
Smpd2	0.33881206	0.22680319	0.23907209	-0.0122689	0.63367277	0.99999994
Mrpl43	0.54814466	0.32065717	0.33292932	-0.0122722	0.59691152	0.99999994
Dcaf7	0.25300501	0.17809714	0.19037489	-0.0122777	0.66614208	0.99999994

Gm6483	0.28345809	0.19615095	0.208438	-0.0122871	0.65261146	0.99999994
Slc35b4	0.06085758	0.04062632	0.05291417	-0.0122878	0.93891807	0.99999994
Med31	0.4757023	0.29171088	0.30399964	-0.0122888	0.60606357	0.99999994
Ubxn1	0.89302218	0.40496826	0.41725832	-0.0122901	0.5777178	0.99999994
Tbl2	0.06452353	0.04367551	0.05596757	-0.0122921	0.92811906	0.99999994
Asnsd1	0.15367542	0.11255606	0.1248515	-0.0122954	0.74393397	0.99999994
Golph3l	0.11497925	0.08402087	0.09631843	-0.0122976	0.80229802	0.99999994
Mysm1	0.23722722	0.16835934	0.18065964	-0.0123003	0.67479808	0.99999994
Pold4	0.25058369	0.1765993	0.1888998	-0.0123005	0.66765201	0.99999994
Usp4	0.19306453	0.13980533	0.15210616	-0.0123008	0.70481507	0.99999994
Jagn1	0.7584343	0.38307761	0.39538056	-0.012303	0.58204355	0.99999994
H2-D1	0.32973675	0.22193301	0.23423652	-0.0123035	0.63669244	0.99999994
Jmjd6	0.31366612	0.21318659	0.22549615	-0.0123096	0.641833	0.99999994
Xpo6	0.12561473	0.09201636	0.10434098	-0.0123246	0.78413653	0.99999994
Ap1b1	0.19161674	0.13880083	0.15113509	-0.0123343	0.70651461	0.99999994
Rpl6	2.72904417	0.34831171	0.36064656	-0.0123348	0.59004512	0.99999994
Nop56	0.40162523	0.25832592	0.2706617	-0.0123358	0.61919712	0.99999994
Kif1a	0.14831451	0.10866922	0.12100536	-0.0123361	0.75130304	0.99999994
Gpd1	0.07650109	0.05350614	0.06584286	-0.0123367	0.89383354	0.99999994
Tbc1d10a	0.16140014	0.11797559	0.13033536	-0.0123598	0.73605352	0.99999994
Rbm47	0.18735056	0.1358807	0.14825972	-0.012379	0.71081804	0.99999994
Zmpste24	0.28755779	0.19842266	0.21080199	-0.0123793	0.6520622	0.99999994
Ydjc	0.07592066	0.05298628	0.06536784	-0.0123816	0.89631042	0.99999994
Pdcl	0.15206566	0.1113148	0.12370009	-0.0123853	0.74744076	0.99999994
Psph	0.14941294	0.10940977	0.12179613	-0.0123864	0.75077632	0.99999994
Leprotl1	0.38123091	0.24835679	0.26075603	-0.0123992	0.62419505	0.99999994
Tcn2	0.21527578	0.15432289	0.16672232	-0.0123994	0.6897158	0.99999994
Usp36	0.07395225	0.05135106	0.06375423	-0.0124032	0.90233506	0.99999994
Tmem251	0.19963514	0.14406684	0.1564848	-0.012418	0.70132665	0.99999994
Pcnx	0.06592113	0.04470885	0.05712781	-0.012419	0.92605418	0.99999994

Hnrnpa0	0.19941868	0.14390575	0.15634129	-0.0124355	0.70175442	0.99999994
Rcor1	0.10321728	0.07484375	0.08728172	-0.012438	0.82857675	0.99999994
Babam1	0.37659604	0.24601806	0.25845916	-0.0124411	0.62567052	0.99999994
Rps13	2.83954115	0.34111894	0.35356725	-0.0124483	0.59264545	0.99999994
Ndufs1	0.36326087	0.23930155	0.25175201	-0.0124505	0.62899471	0.99999994
Pomgnt2	0.21969144	0.15711333	0.16956602	-0.0124527	0.68752032	0.99999994
Bola3	0.42256803	0.26804534	0.28049834	-0.012453	0.61619999	0.99999994
Pycr1	0.04389554	0.02613393	0.03859379	-0.0124599	0.98418204	0.99999994
Orai3	0.08780169	0.0625544	0.07502076	-0.0124664	0.86565865	0.99999994
Cgrrf1	0.31053134	0.21128598	0.22376426	-0.0124783	0.64475332	0.99999994
Atp1a1	0.65196171	0.35618156	0.36871112	-0.0125296	0.58947572	0.99999994
B3galt6	0.19080272	0.13805501	0.15058797	-0.012533	0.71020628	0.99999994
Sdr39u1	0.11158744	0.08119546	0.09373021	-0.0125347	0.81331257	0.99999994
Hacd3	0.23147473	0.16451543	0.17705486	-0.0125394	0.68132903	0.99999994
Psmg2	0.32889598	0.22123833	0.23378476	-0.0125464	0.63953792	0.99999994
Slc35a1	0.32589302	0.21961112	0.23216631	-0.0125552	0.64056348	0.99999994
Ffar1	0.2308009	0.1640504	0.17663043	-0.01258	0.68227914	0.99999994
Tnfaip1	0.26567695	0.18541646	0.19799939	-0.0125829	0.66385743	0.99999994
Nfasc	0.06267444	0.04184292	0.05442928	-0.0125864	0.93812623	0.99999994
Acsl5	0.10196045	0.07371662	0.08630583	-0.0125892	0.83421231	0.99999994
Papola	0.78962363	0.38897642	0.40156777	-0.0125913	0.58266393	0.99999994
1600012H06	0.20374662	0.14659125	0.15920132	-0.0126101	0.70098617	0.99999994
Camk2b	0.24293532	0.17158973	0.18420278	-0.0126131	0.67572797	0.99999994
Rps29	2.86819026	0.33865188	0.3512707	-0.0126188	0.59449321	0.99999994
Cspp1	0.49111876	0.29782556	0.31044626	-0.0126207	0.60665206	0.99999994
Lgmn	0.24361855	0.17199973	0.1846247	-0.012625	0.67550797	0.99999994
Pitpnb	0.3387358	0.22640582	0.23903175	-0.0126259	0.63742952	0.99999994
Keap1	0.32231718	0.21760111	0.23022902	-0.0126279	0.64248053	0.99999994
Wipi1	0.22600195	0.16096563	0.17359448	-0.0126289	0.68589385	0.99999994
Slc4a7	0.20946851	0.15031591	0.16295171	-0.0126358	0.69712712	0.99999994

Hdac4	0.08141599	0.05721356	0.06985098	-0.0126374	0.8857567	0.99999994
Pde3b	0.13172122	0.09623049	0.10888489	-0.0126544	0.78041321	0.99999994
Nxt1	0.19959068	0.14377987	0.15645533	-0.0126755	0.70515132	0.99999994
Ankrd40	0.08921544	0.06346706	0.0761596	-0.0126925	0.86635581	0.99999994
Vmac	0.17273855	0.12556724	0.13826001	-0.0126928	0.72942585	0.99999994
Epb41l3	0.28802511	0.1983739	0.21107047	-0.0126966	0.65556954	0.99999994
Zmynd8	0.30807169	0.20969036	0.22239931	-0.0127089	0.64816672	0.99999994
Mis12	0.13065612	0.09538025	0.1080957	-0.0127154	0.78318545	0.99999994
Rps24	2.64567431	0.35184285	0.36455975	-0.0127169	0.59180591	0.99999994
Aqp4	0.0552115	0.03545509	0.04818278	-0.0127277	0.96065221	0.99999994
Phkg2	0.19717894	0.14210932	0.15485339	-0.0127441	0.70808631	0.99999994
Mospd3	0.19690857	0.14191951	0.15467342	-0.0127539	0.70845047	0.99999994
Scfd1	0.52903379	0.31286805	0.32562691	-0.0127589	0.6028814	0.99999994
Twf1	0.30354138	0.2071105	0.21987128	-0.0127608	0.65036953	0.99999994
Saysd1	0.27420535	0.19027975	0.20304333	-0.0127636	0.66218277	0.99999994
Ints3	0.09046451	0.06439455	0.07716405	-0.0127695	0.86466652	0.99999994
Cntfr	0.14682317	0.10714533	0.11992948	-0.0127841	0.76100807	0.99999994
Efr3a	0.1394922	0.10181508	0.11460184	-0.0127868	0.77116431	0.99999994
Ubn2	0.37234238	0.24354207	0.25633519	-0.0127931	0.63013237	0.99999994
Atf2	0.22011946	0.15704746	0.1698406	-0.0127931	0.69195027	0.99999994
Tns3	0.0866163	0.06126662	0.0740643	-0.0127977	0.87496137	0.99999994
Cdh1	0.31324363	0.21244993	0.22526324	-0.0128133	0.64751626	0.99999994
Unc45a	0.23167657	0.16436686	0.1771819	-0.012815	0.6848962	0.99999994
Meaf6	0.26198064	0.18296583	0.19579126	-0.0128254	0.66859216	0.99999994
Stx6	0.30409547	0.20734935	0.22018146	-0.0128321	0.65096623	0.99999994
Lasp1	0.25805521	0.18059724	0.19343199	-0.0128347	0.6706352	0.99999994
Ecsit	0.15427576	0.11244191	0.12528014	-0.0128382	0.75241784	0.99999994
Nbeal1	0.18561904	0.13424214	0.14708707	-0.0128449	0.719478	0.99999994
Tomm6	0.16609081	0.1207494	0.13363131	-0.0128819	0.73945488	0.99999994
Rdh14	0.27235902	0.18907345	0.20195732	-0.0128839	0.66445136	0.99999994

Syp	0.1002757	0.07210208	0.08499453	-0.0128924	0.84367414	0.99999994
Nudt14	0.36965716	0.24208312	0.2549869	-0.0129038	0.63188479	0.99999994
Atxn2l	0.13338113	0.0971848	0.1101121	-0.0129273	0.78273554	0.99999994
Cdc42bpa	0.1246193	0.09066583	0.10359597	-0.0129301	0.79695699	0.99999994
Slc7a8	0.06995463	0.04753195	0.06046446	-0.0129325	0.92273376	0.99999994
Nt5m	0.25048939	0.17590812	0.18884224	-0.0129341	0.67577081	0.99999994
Yipf1	0.28887899	0.19862085	0.21156052	-0.0129397	0.65804101	0.99999994
Nav2	0.34851437	0.23120924	0.24416435	-0.0129551	0.638023	0.99999994
Ube2d2a	1.09839942	0.41677288	0.42972968	-0.0129568	0.57953196	0.99999994
Agpat1	0.12482657	0.09079375	0.1037512	-0.0129574	0.79710079	0.99999994
Oaz2	0.71145544	0.37199514	0.3849533	-0.0129582	0.58864626	0.99999994
Huwe1	0.43217699	0.27193487	0.28489996	-0.0129651	0.61902242	0.99999994
Nomo1	0.10407086	0.07497674	0.08794336	-0.0129666	0.83681014	0.99999994
Itfg1	0.45469586	0.28198356	0.29495105	-0.0129675	0.61510367	0.99999994
Sec14l1	0.0702728	0.04775263	0.06072692	-0.0129743	0.9225057	0.99999994
Sec24c	0.16529119	0.12009549	0.13307121	-0.0129757	0.74184982	0.99999994
Rars	0.40541269	0.25948916	0.27246573	-0.0129766	0.62438528	0.99999994
Larp1	0.11486548	0.08323657	0.09623184	-0.0129953	0.81564251	0.99999994
Alyref2	0.15443825	0.11239385	0.12539609	-0.0130022	0.75496372	0.99999994
Ccdc186	0.16734028	0.12149009	0.13450508	-0.013015	0.74023928	0.99999994
Ttc3	0.91929833	0.40703888	0.42007965	-0.0130408	0.5818533	0.99999994
Wsb2	0.17685729	0.12802797	0.14110301	-0.013075	0.73131614	0.99999994
Sez6l2	0.34855036	0.23110052	0.24418308	-0.0130826	0.63931435	0.99999994
Ifi35	0.13529937	0.09844267	0.11115262	-0.0130835	0.78256362	0.99999994
Gpx1	0.53452262	0.31466342	0.32774783	-0.0130844	0.60477891	0.99999994
Chmp7	0.23340952	0.16518377	0.17827098	-0.0130872	0.68745737	0.99999994
Acbd6	0.43151892	0.27150222	0.28460065	-0.0130984	0.62033149	0.99999994
Ogdh	0.21534737	0.15366528	0.16676859	-0.0131033	0.69951351	0.99999994
Chmp2a	1.20019653	0.41589077	0.4289943	-0.0131035	0.58055631	0.99999994
Enpp5	0.10289994	0.07393133	0.0870355	-0.0131042	0.84187386	0.99999994

Ginm1	0.59074486	0.3352992	0.34840351	-0.0131043	0.5988463	0.99999994
Mogs	0.07754406	0.05357551	0.06669554	-0.01312	0.90480176	0.99999994
Dhrs7b	0.1241045	0.09008976	0.10321021	-0.0131204	0.80127376	0.99999994
Rab22a	0.38223749	0.24812935	0.26125263	-0.0131233	0.63094729	0.99999994
B230217C12	0.09256272	0.06570894	0.07884773	-0.0131388	0.86632418	0.99999994
Gcgr	0.06932279	0.04679703	0.05994294	-0.0131459	0.9278256	0.99999994
Araf	0.47438141	0.29028	0.30343977	-0.0131598	0.61358582	0.99999994
Arhgap5	0.35274161	0.2331925	0.24635784	-0.0131653	0.63897296	0.99999994
Ascc1	0.32590151	0.21900367	0.2321709	-0.0131672	0.64710098	0.99999994
Hipk3	0.0984861	0.07040279	0.08357657	-0.0131738	0.85295936	0.99999994
Sh3glb1	0.60129934	0.33888501	0.3520702	-0.0131852	0.59842926	0.99999994
Adprh	0.4135004	0.26308775	0.27628012	-0.0131924	0.62469723	0.99999994
Rpl6l	0.5070618	0.30373769	0.31694439	-0.0132067	0.60924914	0.99999994
P3h1	0.08390513	0.05865786	0.07187121	-0.0132133	0.88947771	0.99999994
Dpagt1	0.13777005	0.10012424	0.11334108	-0.0132168	0.78118629	0.99999994
Mea1	0.52928824	0.31248234	0.32572566	-0.0132433	0.60666354	0.99999994
Rps6ka2	0.05812949	0.03738868	0.05063241	-0.0132437	0.95916512	0.99999994
Mta1	0.10390351	0.07455276	0.08781371	-0.013261	0.84259786	0.99999994
Entpd7	0.07963883	0.05514162	0.06840464	-0.013263	0.90157971	0.99999994
Armcx1	0.2172529	0.15473286	0.16799808	-0.0132652	0.70041338	0.99999994
Rpia	0.22095984	0.157113	0.17037917	-0.0132662	0.69786906	0.99999994
Fundc1	0.2122776	0.15150929	0.16478001	-0.0132707	0.70404707	0.99999994
Slc39a6	0.18988708	0.13669543	0.14997168	-0.0132762	0.72215464	0.99999994
N4bp1	0.10370254	0.07437692	0.08765797	-0.0132811	0.84339381	0.99999994
Dag1	0.18557959	0.13377722	0.14706031	-0.0132831	0.72615648	0.99999994
Tmem167	0.94781614	0.40941651	0.42270647	-0.01329	0.58288401	0.99999994
Gpr45	0.04692737	0.02787919	0.04117695	-0.0132978	0.9842072	0.99999994
Tmem42	0.15698815	0.11390596	0.12721162	-0.0133057	0.75685436	0.99999994
Dusp3	0.09210265	0.06517318	0.07847894	-0.0133058	0.87045751	0.99999994
Ropn1l	0.09927395	0.07089654	0.08420285	-0.0133063	0.85357337	0.99999994

Zfp560	0.22997647	0.16277913	0.17611053	-0.0133314	0.69282712	0.99999994
Wwp2	0.104021	0.07456662	0.08790474	-0.0133381	0.84375112	0.99999994
Specc1l	0.15457269	0.11215048	0.12549199	-0.0133415	0.76042226	0.99999994
Suco	0.19140475	0.13764925	0.15099267	-0.0133434	0.72181135	0.99999994
Dlst	0.19172069	0.1378459	0.15120491	-0.013359	0.72176457	0.99999994
lpo5	0.11524817	0.08314858	0.09652303	-0.0133744	0.82181909	0.99999994
Slain2	0.17880343	0.12906243	0.14243946	-0.013377	0.73405517	0.99999994
Mrpl21	0.58031102	0.33133627	0.34471401	-0.0133777	0.60192055	0.99999994
Gid8	0.26013066	0.18128873	0.19468122	-0.0133925	0.67648909	0.99999994
Pabpc4	0.14711147	0.10673622	0.12013766	-0.0134014	0.77111432	0.99999994
Nptn	0.15007559	0.10887097	0.1222725	-0.0134015	0.76717108	0.99999994
Spryd3	0.13607459	0.09868612	0.11209643	-0.0134103	0.78707495	0.99999994
Cfap126	0.10463424	0.07496768	0.08837955	-0.0134119	0.84378189	0.99999994
Tnrc6a	0.29262478	0.20028582	0.21370242	-0.0134166	0.6619889	0.99999994
Gm37035	0.03533306	0.01782539	0.03124223	-0.0134168	0.99787205	0.99999994
Adra2a	0.16541343	0.11973067	0.13315688	-0.0134262	0.74894085	0.99999994
Eci1	0.50441461	0.30244892	0.31587726	-0.0134283	0.61140012	0.99999994
Prkce	0.11961145	0.08639824	0.09982964	-0.0134314	0.81475825	0.99999994
Mrpl40	0.42650572	0.26887398	0.28231022	-0.0134362	0.624303	0.99999994
Arfgef3	0.05810831	0.03717506	0.05061466	-0.0134396	0.9614234	0.99999994
Plppr1	0.08220652	0.05705053	0.0704933	-0.0134428	0.89783991	0.99999994
Cep170b	0.07553724	0.0516025	0.06505385	-0.0134514	0.91564368	0.99999994
Prrc2c	0.84286339	0.39704432	0.4105008	-0.0134565	0.58636327	0.99999994
Rnf145	0.18289404	0.13177826	0.14523498	-0.0134567	0.73129806	0.99999994
Gcsh	0.37855781	0.24597579	0.25943341	-0.0134576	0.6350603	0.99999994
Commd5	0.1680287	0.12152133	0.13498574	-0.0134644	0.74663925	0.99999994
Slc43a2	0.1814117	0.13074119	0.14422407	-0.0134829	0.73311913	0.99999994
Spa17	0.15054869	0.10912487	0.1226123	-0.0134874	0.76797774	0.99999994
Nrbf2	0.24377578	0.17120587	0.18472174	-0.0135159	0.68688421	0.99999994
Plcx2	0.06663694	0.04419835	0.05772123	-0.0135229	0.94055453	0.99999994

Nelfb	0.27509787	0.19004421	0.20356717	-0.013523	0.67082104	0.99999994
Dcps	0.49402946	0.29811729	0.31164524	-0.0135279	0.61368645	0.99999994
Tmem11	0.5062543	0.30308587	0.31661935	-0.0135335	0.61199301	0.99999994
Nfkb1	0.07914542	0.05445621	0.06800249	-0.0135463	0.90757427	0.99999994
Pcbp3	0.09468507	0.06699973	0.0805462	-0.0135465	0.86853295	0.99999994
Chkb	0.24661039	0.17291192	0.18646686	-0.0135549	0.68576254	0.99999994
Taok2	0.16700586	0.12070005	0.13427139	-0.0135713	0.74945777	0.99999994
B3galnt1	0.07237996	0.04887903	0.06246238	-0.0135833	0.92612446	0.99999994
mt-Cytb	3.52426012	0.24585452	0.25943912	-0.0135846	0.63628132	0.99999994
Gm5914	0.07989165	0.05500345	0.0686106	-0.0136071	0.90660212	0.99999994
Slc30a7	0.08449071	0.05873719	0.07234554	-0.0136083	0.89472868	0.99999994
Smap2	0.25329939	0.17693694	0.1905538	-0.0136169	0.68284151	0.99999994
Pafah1b3	0.64450861	0.35275534	0.36637257	-0.0136172	0.59770126	0.99999994
Fitm2	0.14344809	0.10386569	0.11748462	-0.0136189	0.77982759	0.99999994
Ebp	0.26422653	0.18350672	0.19713447	-0.0136278	0.67729536	0.99999994
Itgb1	0.46783394	0.28701817	0.30064682	-0.0136287	0.61857491	0.99999994
Lcmt1	0.22983769	0.16238719	0.17602295	-0.0136358	0.69694705	0.99999994
Ten1	0.4798653	0.29211116	0.30575646	-0.0136453	0.61678962	0.99999994
Cyb561	0.25516949	0.17804259	0.19168818	-0.0136456	0.68219372	0.99999994
Dap3	0.34516547	0.2287651	0.24241615	-0.0136511	0.64610878	0.99999994
Trappc4	0.70617653	0.37003242	0.38368859	-0.0136562	0.59363744	0.99999994
Itgb3bp	0.24042082	0.16898613	0.18264602	-0.0136599	0.69069509	0.99999994
Ctnnbl1	0.35020329	0.23138084	0.24504248	-0.0136616	0.64472078	0.99999994
Rnaset2a	0.18858093	0.13542603	0.149091	-0.013665	0.72909897	0.99999994
Nfkbib	0.168367	0.12153531	0.13522176	-0.0136864	0.74975605	0.99999994
Synj2bp	0.29372198	0.20062593	0.2143274	-0.0137015	0.66477338	0.99999994
Tln1	0.3134119	0.21164439	0.22535602	-0.0137116	0.65726182	0.99999994
Scyl1	0.20676922	0.14747128	0.16118703	-0.0137158	0.71444038	0.99999994
Cln6	0.20633144	0.1471775	0.16090003	-0.0137225	0.71487872	0.99999994
Mfsd11	0.12348867	0.08901683	0.10274831	-0.0137315	0.81315119	0.99999994

Hexa	0.4026958	0.25743863	0.27117273	-0.0137341	0.63198866	0.99999994
Shisa5	0.39078761	0.25170431	0.26543903	-0.0137347	0.63473576	0.99999994
Emd	0.41827279	0.26475789	0.27850778	-0.0137499	0.62877981	0.99999994
Gnl3l	0.14424265	0.10430871	0.11806142	-0.0137527	0.78094371	0.99999994
Yipf4	0.82899081	0.39458217	0.40834121	-0.013759	0.58873251	0.99999994
Fbxw2	0.32020932	0.21530676	0.22908188	-0.0137751	0.65551727	0.99999994
Ccng1	0.10204416	0.07259547	0.08637089	-0.0137754	0.8557988	0.99999994
Rps19bp1	0.42913874	0.26973664	0.28351547	-0.0137788	0.62684113	0.99999994
Kctd13	0.3186547	0.2144297	0.22823337	-0.0138037	0.65637133	0.99999994
Nbr1	0.21448067	0.15238983	0.16620813	-0.0138183	0.7100052	0.99999994
2310030G06	0.24793257	0.17345577	0.18727817	-0.0138224	0.68838739	0.99999994
Tnr	0.03965829	0.0211362	0.03496621	-0.01383	0.99576524	0.99999994
Gm10941	0.16821903	0.12128357	0.13511854	-0.013835	0.75223937	0.99999994
Tmem167b	0.13868604	0.10017702	0.1140121	-0.0138351	0.79037757	0.99999994
Ehd1	0.22512996	0.15919754	0.17304033	-0.0138428	0.70280733	0.99999994
Bhlha15	0.05067469	0.03050111	0.04435549	-0.0138544	0.98119618	0.99999994
Fh1	0.35997597	0.23621997	0.25007775	-0.0138578	0.64388193	0.99999994
Dhx32	0.11576418	0.0830514	0.09691531	-0.0138639	0.82950325	0.99999994
Usp33	0.14031321	0.10132667	0.11520165	-0.013875	0.78863592	0.99999994
Atp9a	0.1775248	0.12768678	0.14156187	-0.0138751	0.74293441	0.99999994
Dpm2	0.38769965	0.25004263	0.26393361	-0.013891	0.6369537	0.99999994
Ppp6c	0.38550925	0.24894921	0.26286129	-0.0139121	0.63769021	0.99999994
Fbxl16	0.1424393	0.10283622	0.11675123	-0.013915	0.78620974	0.99999994
Alg2	0.46361866	0.28491611	0.2988323	-0.0139162	0.62171081	0.99999994
Smc3	0.68752929	0.36504996	0.37897544	-0.0139255	0.59661243	0.99999994
Comt	0.53117141	0.31252668	0.32645524	-0.0139286	0.61179501	0.99999994
Cuedc2	0.47401372	0.28935493	0.30328372	-0.0139288	0.62008494	0.99999994
Gnl1	0.20623054	0.14687955	0.16083385	-0.0139543	0.71820598	0.99999994
Ampd2	0.11055485	0.07898057	0.09293943	-0.0139589	0.84128148	0.99999994
Mtmr7	0.20455035	0.14576309	0.15973028	-0.0139672	0.71973266	0.99999994

Slc16a10	0.14444967	0.10423998	0.11821158	-0.0139716	0.78427857	0.99999994
Sucla2	0.55098106	0.32000694	0.33399353	-0.0139866	0.6097806	0.99999994
Naa10	0.31300873	0.21114096	0.22513367	-0.0139927	0.66045746	0.99999994
Fasn	0.17147721	0.12338794	0.13738556	-0.0139976	0.75117361	0.99999994
Dpp9	0.13760025	0.0992137	0.11321658	-0.0140029	0.7948237	0.99999994
Meox1	0.05807899	0.036571	0.05059009	-0.0140191	0.96744871	0.99999994
Ift27	0.28166752	0.19337624	0.20740022	-0.014024	0.67367696	0.99999994
Psmc1	0.5769149	0.32947232	0.34349893	-0.0140266	0.60711555	0.99999994
Skap1	0.05802664	0.03651887	0.05054622	-0.0140274	0.9676439	0.99999994
Elp5	0.31745531	0.21354099	0.2275773	-0.0140363	0.65929691	0.99999994
Ywhag	0.41312837	0.26206636	0.27610575	-0.0140394	0.63249236	0.99999994
Tpr	0.87086162	0.40046867	0.41451083	-0.0140422	0.58920246	0.99999994
Abcb9	0.20296427	0.14462507	0.15868579	-0.0140607	0.72233836	0.99999994
Dusp19	0.1459318	0.10521555	0.11928519	-0.0140696	0.78380688	0.99999994
Dld	0.35508305	0.2334932	0.24756648	-0.0140733	0.64742967	0.99999994
Tmem30a	0.50346174	0.30141868	0.31549204	-0.0140734	0.61673795	0.99999994
Lrp10	0.23991448	0.1682584	0.18233179	-0.0140734	0.69629536	0.99999994
Msrb1	0.21297931	0.1511595	0.16523543	-0.0140759	0.71465517	0.99999994
Mtcl1	0.10162315	0.07196003	0.08604359	-0.0140836	0.86203504	0.99999994
Cstb	1.25600024	0.41299653	0.42708195	-0.0140854	0.58688171	0.99999994
Pdcd6ip	0.28955521	0.19785917	0.21194814	-0.014089	0.67092635	0.99999994
Rap1gap	0.09469196	0.06645789	0.0805517	-0.0140938	0.87791693	0.99999994
Tmem126a	0.47182496	0.28824887	0.30235287	-0.014104	0.62191047	0.99999994
Ccnh	0.29586449	0.20142639	0.21554467	-0.0141183	0.66857978	0.99999994
Clptm1l	0.28460479	0.19496418	0.20910084	-0.0141367	0.67365043	0.99999994
Zc3h3	0.19469677	0.13904575	0.15319819	-0.0141524	0.73069417	0.99999994
Cct8	1.24580597	0.41334197	0.42750054	-0.0141586	0.58724152	0.99999994
Aak1	0.125552	0.09012724	0.10429406	-0.0141668	0.8170471	0.99999994
E2f4	0.22413229	0.15823005	0.17240537	-0.0141753	0.70791082	0.99999994
Rab37	0.11070242	0.0788756	0.09305253	-0.0141769	0.844738	0.99999994

Lrrfip2	0.17992746	0.12902377	0.14320946	-0.0141857	0.74516408	0.99999994
Gtf2a2	1.11947691	0.41573415	0.4299229	-0.0141887	0.58693975	0.99999994
Ank	0.25325798	0.17633857	0.19052864	-0.0141901	0.68996388	0.99999994
Mlx	0.28142211	0.1930654	0.20725776	-0.0141924	0.67573541	0.99999994
Ube2a	0.49007546	0.29581593	0.31001514	-0.0141992	0.61976833	0.99999994
Rilpl2	0.15014629	0.10811372	0.1223233	-0.0142096	0.78030696	0.99999994
Ergic2	0.74464846	0.37821	0.39243056	-0.0142206	0.59530282	0.99999994
Unc80	0.11300457	0.08057679	0.09481333	-0.0142365	0.84121758	0.99999994
Ikbip	0.09015755	0.0626719	0.07691735	-0.0142455	0.89117264	0.99999994
4931406C07I	0.11794752	0.08431804	0.09857144	-0.0142534	0.83210257	0.99999994
Sptlc1	0.15830786	0.1138902	0.12814832	-0.0142581	0.7705333	0.99999994
Agt	0.11243968	0.08011998	0.09438188	-0.0142619	0.84275182	0.99999994
Vapa	1.09735865	0.41544656	0.42971412	-0.0142676	0.58745665	0.99999994
Parva	0.18360751	0.1314467	0.14572068	-0.014274	0.74280571	0.99999994
Cnot8	0.23168425	0.16290334	0.17718673	-0.0142834	0.70422212	0.99999994
Pank3	0.11488054	0.08195916	0.09624331	-0.0142842	0.83840339	0.99999994
Copz2	0.09075289	0.06310944	0.07739573	-0.0142863	0.89040419	0.99999994
Rab8a	0.49666721	0.2984153	0.312727	-0.0143117	0.6196733	0.99999994
Tgoln1	0.35325111	0.23227242	0.24662122	-0.0143488	0.65072443	0.99999994
Cish	0.07790565	0.05263098	0.06699089	-0.0143599	0.92318574	0.99999994
Dnah9	0.09404055	0.06566214	0.08003089	-0.0143687	0.88397264	0.99999994
Tmem14c	0.74629534	0.37842104	0.39279117	-0.0143701	0.59619896	0.99999994
Mrps21	1.13206284	0.41555523	0.42993497	-0.0143797	0.58808847	0.99999994
Rusc1	0.08029349	0.05455593	0.06893782	-0.0143819	0.91753161	0.99999994
2510002D24I	0.477497	0.29037594	0.30475844	-0.0143825	0.62329048	0.99999994
Ildr1	0.19319998	0.13780701	0.15219689	-0.0143899	0.73543807	0.99999994
Nudt2	0.14809836	0.10645358	0.12084958	-0.014396	0.78608995	0.99999994
Ankrd33b	0.04544716	0.02551721	0.03991708	-0.0143999	0.9918303	0.99999994
Gfpt1	0.44737816	0.27732331	0.29172491	-0.0144016	0.62877272	0.99999994
Akap11	0.15255034	0.10964527	0.12404708	-0.0144018	0.7801796	0.99999994

Tmem205	0.31971083	0.21440687	0.22881004	-0.0144032	0.66239389	0.99999994
Lyve1	0.10993823	0.07806107	0.09246657	-0.0144055	0.85013294	0.99999994
Nars	0.38894509	0.25011328	0.26454167	-0.0144284	0.64171436	0.99999994
Pum2	0.31701388	0.21287413	0.22733553	-0.0144614	0.66400856	0.99999994
Ppp1r2	0.58691669	0.33259522	0.34705701	-0.0144618	0.60925165	0.99999994
Pdpk1	0.28506985	0.1949049	0.20936928	-0.0144644	0.67719082	0.99999994
Helz	0.27306575	0.18790492	0.20237339	-0.0144685	0.68292336	0.99999994
Sstr3	0.05070196	0.0298973	0.04437856	-0.0144813	0.98507403	0.99999994
Plxnb2	0.20461805	0.14528922	0.1597748	-0.0144856	0.72690596	0.99999994
Aimp2	0.27775245	0.19062539	0.2051208	-0.0144954	0.68096159	0.99999994
Eif3m	0.95358195	0.40865589	0.42315923	-0.0145033	0.59023117	0.99999994
Uck2	0.22270004	0.15698424	0.17149204	-0.0145078	0.71332052	0.99999994
Irf2bp2	0.1797906	0.12860339	0.14311578	-0.0145124	0.75015429	0.99999994
Thoc7	0.87262426	0.40022953	0.41474475	-0.0145152	0.59210336	0.99999994
2610528J11F	0.19511178	0.13895348	0.15347539	-0.0145219	0.73559638	0.99999994
Zfp787	0.25941125	0.17971206	0.19424867	-0.0145366	0.69080337	0.99999994
Alg5	0.22583098	0.15894239	0.17348589	-0.0145435	0.71158101	0.99999994
Zcchc9	0.30277367	0.20489406	0.21944107	-0.014547	0.67048688	0.99999994
Eef1d	1.13534711	0.41537344	0.42993098	-0.0145575	0.58916035	0.99999994
Slc39a7	0.55234277	0.31993192	0.33450268	-0.0145708	0.61407178	0.99999994
Nck1	0.32463669	0.21689648	0.23148692	-0.0145904	0.66259104	0.99999994
Chuk	0.17155244	0.12284398	0.13743777	-0.0145938	0.76015557	0.99999994
Mocs2	0.51145613	0.30410752	0.31870591	-0.0145984	0.61977725	0.99999994
Vdac1	0.78025771	0.38516414	0.39977167	-0.0146075	0.59608298	0.99999994
Ddx3x	0.46686287	0.28559908	0.30022989	-0.0146308	0.62717398	0.99999994
Nbas	0.09072103	0.06273289	0.07737013	-0.0146372	0.89603547	0.99999994
Wnk1	0.35670061	0.23376049	0.24839884	-0.0146383	0.65256867	0.99999994
B230219D22	0.58313864	0.33106905	0.34572	-0.014651	0.61106034	0.99999994
Gtf2i	0.39871366	0.25461136	0.26926749	-0.0146561	0.6414372	0.99999994
Tom70a	0.2493335	0.17346284	0.18813594	-0.0146731	0.69816943	0.99999994

Clta	1.52892051	0.39134972	0.4060301	-0.0146804	0.59509322	0.99999994
Fndc3a	0.75838858	0.38067951	0.395371	-0.0146915	0.59767815	0.99999994
Hspa4	0.50021745	0.29948051	0.31417582	-0.0146953	0.62223106	0.99999994
Utrn	0.08033963	0.05426141	0.06897539	-0.014714	0.92218872	0.99999994
Fam53a	0.17443521	0.12471201	0.13943345	-0.0147214	0.75890387	0.99999994
Slc35c2	0.17741687	0.12675699	0.14148771	-0.0147307	0.75584962	0.99999994
Qsox2	0.15153843	0.10857637	0.12332233	-0.014746	0.78695991	0.99999994
Tmod2	0.11351046	0.08045173	0.09519938	-0.0147476	0.84876671	0.99999994
Safb2	0.3107036	0.20909615	0.22385964	-0.0147635	0.66966388	0.99999994
Syt7	0.33374266	0.22156488	0.23637959	-0.0148147	0.66172535	0.99999994
Stt3b	0.18513864	0.13193042	0.14676114	-0.0148307	0.74941442	0.99999994
Sumo2	1.9996977	0.35590564	0.37075555	-0.0148499	0.60511443	0.99999994
Wdr89	0.82118226	0.39228461	0.40713592	-0.0148513	0.59592272	0.99999994
Chmp3	0.28162556	0.1925245	0.20737587	-0.0148514	0.68321194	0.99999994
Ncoa1	0.11024846	0.07785254	0.09270454	-0.014852	0.85687869	0.99999994
2210016F16I	0.28851437	0.19648394	0.21135134	-0.0148674	0.68019284	0.99999994
Gnpnat1	0.28754895	0.19592732	0.21079691	-0.0148696	0.68065766	0.99999994
Endog	0.1569771	0.11233265	0.12720376	-0.0148711	0.78176865	0.99999994
Azin1	0.2509644	0.17425485	0.18913211	-0.0148773	0.69971936	0.99999994
Banp	0.37794199	0.24424583	0.25912791	-0.0148821	0.6488746	0.99999994
Mrps23	0.32522061	0.21691012	0.23180286	-0.0148927	0.66554848	0.99999994
Herc2	0.19661646	0.13957346	0.15447889	-0.0149054	0.73964844	0.99999994
Thyn1	0.33061868	0.21980279	0.23470953	-0.0149067	0.66376298	0.99999994
Mrps18c	0.64494525	0.35160145	0.36651038	-0.0149089	0.60671511	0.99999994
Klhl9	0.2512918	0.17442179	0.18933177	-0.01491	0.69992746	0.99999994
Esrp1	0.19694064	0.13978168	0.15469477	-0.0149131	0.73946438	0.99999994
Trub1	0.10909131	0.07688868	0.09181634	-0.0149277	0.86041873	0.99999994
Tspyl2	0.14014264	0.10014897	0.1150771	-0.0149281	0.80606362	0.99999994
Cmb1	0.07401804	0.04886923	0.06380823	-0.014939	0.9404318	0.99999994
Chic1	0.27775197	0.19017348	0.20512052	-0.014947	0.6861781	0.99999994

Ola1	0.41294706	0.26107195	0.27602074	-0.0149488	0.64076202	0.99999994
Ddx24	0.61960139	0.34330714	0.35827127	-0.0149641	0.60950149	0.99999994
Fbxo9	0.25687415	0.17774528	0.19271926	-0.014974	0.69748765	0.99999994
Snap25	0.26263047	0.18120594	0.1961804	-0.0149745	0.69430149	0.99999994
Sun1	0.13784876	0.09841935	0.11339878	-0.0149794	0.81037336	0.99999994
Rfesd	0.16463187	0.11761236	0.13260884	-0.0149965	0.77420133	0.99999994
Wdr74	0.20717272	0.14644118	0.16145138	-0.0150102	0.73199054	0.99999994
Rrp7a	0.28434671	0.19394037	0.20895178	-0.0150114	0.68374709	0.99999994
Slc50a1	0.31989559	0.21389915	0.22891082	-0.0150117	0.66876855	0.99999994
Adgrl1	0.11726243	0.08303085	0.09805241	-0.0150216	0.84607628	0.99999994
Abrac1	0.6574224	0.35537981	0.37040609	-0.0150263	0.6064309	0.99999994
Pop7	0.39804887	0.25392085	0.26894825	-0.0150274	0.64502455	0.99999994
Sepsecs	0.10504956	0.0736727	0.08870086	-0.0150282	0.87028823	0.99999994
Efcab1	0.54355122	0.31616616	0.33119468	-0.0150285	0.61869052	0.99999994
Rims3	0.05871311	0.03607091	0.05112123	-0.0150503	0.97498236	0.99999994
Psmc1	0.82337564	0.39240168	0.40747734	-0.0150757	0.59726295	0.99999994
Eif1a	0.42020465	0.26432704	0.27940475	-0.0150777	0.64027792	0.99999994
Rbm42	0.66165342	0.35659133	0.37168997	-0.0150986	0.60657058	0.99999994
Snx14	0.19835927	0.14053599	0.15563817	-0.0151022	0.74082546	0.99999994
Bub3	0.58907955	0.33270505	0.34781878	-0.0151137	0.61380041	0.99999994
Ppp6r3	0.13352084	0.09509082	0.11021524	-0.0151244	0.81949087	0.99999994
Zmiz1	0.1774545	0.12638629	0.14151357	-0.0151273	0.76162522	0.99999994
Spg7	0.21619548	0.15218772	0.16731627	-0.0151285	0.72636644	0.99999994
Ddx49	0.17982822	0.12800061	0.14314153	-0.0151409	0.75930915	0.99999994
Ranbp2	0.16752758	0.11949307	0.13463591	-0.0151428	0.77296806	0.99999994
Cul4a	0.2433754	0.16932696	0.1844746	-0.0151476	0.70766268	0.99999994
Rmnd5b	0.132788	0.09452601	0.10967397	-0.015148	0.82104728	0.99999994
Bnip1	0.17294644	0.12324075	0.13840395	-0.0151632	0.76707697	0.99999994
BC029722	0.14579947	0.10402287	0.11918944	-0.0151666	0.8015039	0.99999994
Mthfd2	0.1877241	0.13333834	0.14851227	-0.0151739	0.75177924	0.99999994

Efcab14	0.21707813	0.15269296	0.16788547	-0.0151925	0.72653125	0.99999994
Rbm25	0.98825095	0.41047586	0.42567017	-0.0151943	0.59390387	0.99999994
Tmod1	0.06591882	0.04192262	0.05712589	-0.0152033	0.96176106	0.99999994
Gsk3b	0.58846652	0.332395	0.34760314	-0.0152081	0.61456051	0.99999994
Mbtps1	0.15701788	0.1120143	0.12723274	-0.0152184	0.78703448	0.99999994
Rdx	0.59954051	0.3362341	0.3514638	-0.0152297	0.61349299	0.99999994
Prkca	0.09837118	0.06825287	0.08348517	-0.0152323	0.88771899	0.99999994
Sub1	2.12893316	0.35321341	0.36845027	-0.0152369	0.60844417	0.99999994
Vegfa	0.2053955	0.14502722	0.16028576	-0.0152585	0.73684785	0.99999994
Bckdhb	0.11499861	0.08107458	0.09633316	-0.0152586	0.85413317	0.99999994
Dhdds	0.17176135	0.12230141	0.1375827	-0.0152813	0.77014374	0.99999994
Cdk16	0.24202054	0.16833868	0.18363716	-0.0152985	0.71039159	0.99999994
Gaa	0.27429491	0.18779269	0.20309593	-0.0153032	0.69200985	0.99999994
Bet1	0.53343303	0.31201747	0.32732849	-0.015311	0.62223493	0.99999994
Gnai3	0.46732279	0.28511277	0.30042744	-0.0153147	0.63281422	0.99999994
Ap2a2	0.23433051	0.16351629	0.17884856	-0.0153323	0.71587609	0.99999994
Hbs1l	0.25313885	0.17511399	0.19045626	-0.0153423	0.7040916	0.99999994
Dusp11	0.25912244	0.17873022	0.19407488	-0.0153447	0.7006565	0.99999994
Fam20b	0.12506622	0.08858388	0.1039306	-0.0153467	0.83717142	0.99999994
Ptgr2	0.21027852	0.14812617	0.16347975	-0.0153536	0.7340629	0.99999994
Acp1	0.63613218	0.3483321	0.36369386	-0.0153618	0.61070325	0.99999994
Tmed7	0.26484674	0.18213838	0.19750456	-0.0153662	0.69772743	0.99999994
Nat9	0.1949467	0.13798534	0.15336515	-0.0153798	0.74777834	0.99999994
Sfxn1	0.31097472	0.2086299	0.22400973	-0.0153798	0.67616644	0.99999994
Atf5	0.18695942	0.13261413	0.14799511	-0.015381	0.75546487	0.99999994
Coa6	0.26928224	0.18472912	0.20014045	-0.0154113	0.69586927	0.99999994
Tpp2	0.20974135	0.14768165	0.16312966	-0.015448	0.73576456	0.99999994
Yip6	0.1789514	0.1270885	0.14254091	-0.0154524	0.76472809	0.99999994
1110065P20I	0.52434131	0.30833226	0.32379863	-0.0154664	0.62473615	0.99999994
0610040J01F	0.35292133	0.23098294	0.24645077	-0.0154678	0.66194186	0.99999994

Far1	0.13070635	0.09265175	0.10813295	-0.0154812	0.82969961	0.99999994
Actn3	0.18051796	0.12811456	0.1436134	-0.0154988	0.76373181	0.99999994
Dnaja3	0.21177477	0.14895406	0.16445334	-0.0154993	0.73478311	0.99999994
Ralbp1	0.75086283	0.37825497	0.39378281	-0.0155278	0.60352307	0.99999994
Meig1	0.06592264	0.04159198	0.05712906	-0.0155371	0.96487491	0.99999994
Coasy	0.21956346	0.15390719	0.16948388	-0.0155767	0.7296528	0.99999994
Gnptg	0.54163387	0.31488567	0.33046684	-0.0155812	0.62317893	0.99999994
Ktn1	0.4659313	0.28424222	0.29982931	-0.0155871	0.63534412	0.99999994
Vps13c	0.09948398	0.06877047	0.0843697	-0.0155992	0.89078309	0.99999994
Kpnb1	0.23761619	0.16528872	0.1809022	-0.0156135	0.71718634	0.99999994
Yipf2	0.25265736	0.17454829	0.19016345	-0.0156152	0.70766729	0.99999994
Syne4	0.15668455	0.11137646	0.12699585	-0.0156194	0.79351382	0.99999994
Mthfd1	0.14468899	0.10274622	0.11838511	-0.0156389	0.81038528	0.99999994
Fastk	0.25786654	0.17765013	0.19331823	-0.0156681	0.70522422	0.99999994
Sec13	0.7053778	0.36782466	0.38349593	-0.0156713	0.60719173	0.99999994
Atp6v1c1	0.51819101	0.30570943	0.32138154	-0.0156721	0.62725653	0.99999994
Trpc4ap	0.23934625	0.16630571	0.18197883	-0.0156731	0.71677452	0.99999994
Ppm1g	0.43396422	0.27003773	0.28571127	-0.0156735	0.64250189	0.99999994
Purb	0.25099466	0.17346923	0.18915057	-0.0156813	0.70947052	0.99999994
Dnajc4	0.1926224	0.13612231	0.15180986	-0.0156876	0.75422549	0.99999994
Rnps1	0.56617892	0.32389688	0.3396131	-0.0157162	0.62097222	0.99999994
Dap	0.65145457	0.35283071	0.36855291	-0.0157222	0.61177774	0.99999994
Pbdc1	0.51454871	0.30420897	0.31993824	-0.0157293	0.62826039	0.99999994
2900093K20I	0.13217658	0.09348394	0.10922188	-0.0157379	0.83125187	0.99999994
Prkar2b	0.10514729	0.07303182	0.08877643	-0.0157446	0.88110187	0.99999994
Hibadh	0.41762518	0.26244924	0.27820648	-0.0157572	0.64691578	0.99999994
Vps29	0.81677803	0.39068105	0.40644359	-0.0157625	0.60185223	0.99999994
Arfgef1	0.19929626	0.14049648	0.1562601	-0.0157636	0.74904819	0.99999994
Yipf3	0.48811065	0.2934275	0.3092013	-0.0157738	0.63291047	0.99999994
R3hdm1	0.41534762	0.2613682	0.27714437	-0.0157762	0.64762138	0.99999994

Ndfip1	0.26182674	0.17992104	0.19569904	-0.015778	0.70424905	0.99999994
Aig1	0.43140795	0.2687676	0.28455015	-0.0157825	0.64400852	0.99999994
Cpsf6	0.40103656	0.25459098	0.27038034	-0.0157894	0.65125474	0.99999994
Prepl	0.106487	0.07401668	0.08981122	-0.0157945	0.87912262	0.99999994
Mrpl42	0.71773438	0.37061918	0.3864383	-0.0158191	0.60737448	0.99999994
Mpp3	0.1291117	0.09112283	0.10694871	-0.0158259	0.83768388	0.99999994
Mirg	0.09724662	0.06675229	0.08259001	-0.0158377	0.89910078	0.99999994
Khk	0.12665758	0.08927536	0.10512019	-0.0158448	0.84214605	0.99999994
Ppp2r5c	0.14210879	0.10062717	0.11651069	-0.0158835	0.81791276	0.99999994
Gpx4	1.61976239	0.38084129	0.39674575	-0.0159045	0.60520205	0.99999994
Nav1	0.1703318	0.12068021	0.13658995	-0.0159097	0.7809246	0.99999994
Agl	0.12342586	0.08679138	0.10270117	-0.0159098	0.84876699	0.99999994
Dus1l	0.1498298	0.10616445	0.12209587	-0.0159314	0.80745073	0.99999994
Sqstm1	0.66072905	0.35547286	0.37141027	-0.0159374	0.61241842	0.99999994
Dohh	0.5570126	0.32030152	0.33624035	-0.0159388	0.6238211	0.99999994
Chchd4	0.33218992	0.21960793	0.23555054	-0.0159426	0.67383141	0.99999994
Farsa	0.46375767	0.28294827	0.29889233	-0.0159441	0.63873355	0.99999994
Aqp11	0.1108835	0.0772437	0.09319126	-0.0159476	0.87266601	0.99999994
Pithd1	0.3035676	0.20392128	0.21988596	-0.0159647	0.68555175	0.99999994
Rsrp1	1.38332131	0.40372091	0.41969121	-0.0159703	0.59997831	0.99999994
Strap	0.60788268	0.3383535	0.35432475	-0.0159713	0.6179254	0.99999994
Laptm4b	0.38534264	0.2467891	0.26277958	-0.0159905	0.65727889	0.99999994
Mrps28	0.46378519	0.28290103	0.29890422	-0.0160032	0.6392213	0.99999994
Iqgap1	0.42094052	0.26370035	0.2797457	-0.0160453	0.64869073	0.99999994
Rab3gap2	0.09355794	0.06358787	0.07964476	-0.0160569	0.91019622	0.99999994
Lrrc73	0.10492814	0.07254006	0.08860694	-0.0160669	0.88628039	0.99999994
Frzb	0.15599739	0.11043934	0.12650708	-0.0160677	0.80106399	0.99999994
Elp3	0.15584962	0.11033309	0.1264019	-0.0160688	0.8012761	0.99999994
Fbl	0.54075902	0.31406318	0.330134	-0.0160708	0.62704219	0.99999994
Ppil6	0.09569322	0.06526779	0.08135138	-0.0160836	0.90591236	0.99999994

Gm4419	0.07670251	0.0499196	0.06600763	-0.016088	0.94763607	0.99999994
Fem1b	0.19991913	0.14052168	0.15667302	-0.0161513	0.75370666	0.99999994
Alkbh6	0.391733	0.24974664	0.26589845	-0.0161518	0.65701707	0.99999994
Hint3	0.19068737	0.13434599	0.15051038	-0.0161644	0.76265648	0.99999994
Ndufa9	0.58835029	0.33134136	0.34756223	-0.0162209	0.62196853	0.99999994
Lpp	0.27106036	0.18496086	0.20119153	-0.0162307	0.70436163	0.99999994
Slirp	0.73255758	0.37352243	0.38975493	-0.0162325	0.60919586	0.99999994
Snrpf	1.08669584	0.41328805	0.42953644	-0.0162484	0.59940022	0.99999994
Sdccag8	0.18086048	0.12758888	0.14384754	-0.0162587	0.77407916	0.99999994
Tmem107	0.2826998	0.19172054	0.20799887	-0.0162783	0.69879484	0.99999994
Cmas	0.36922839	0.23847681	0.25477108	-0.0162943	0.66484307	0.99999994
Cnot1	0.20967067	0.14677404	0.16308357	-0.0163095	0.74719333	0.99999994
Por	0.49871569	0.2972236	0.31356397	-0.0163404	0.63565717	0.99999994
Fbxw5	0.22702811	0.15789919	0.17424562	-0.0163464	0.73383396	0.99999994
Mboat2	0.14628332	0.10319256	0.11953938	-0.0163468	0.81865369	0.99999994
Arfp2	0.32314741	0.21432502	0.2306798	-0.0163548	0.68150931	0.99999994
Glt8d1	0.20658239	0.14470605	0.16106458	-0.0163585	0.75049653	0.99999994
Lamtor1	0.63484293	0.34688832	0.36327702	-0.0163887	0.61802265	0.99999994
Spty2d1	0.18881157	0.13285517	0.14924664	-0.0163915	0.76762732	0.99999994
Gpr108	0.23399664	0.1622462	0.17863928	-0.0163931	0.72934387	0.99999994
Tnks2	0.34402711	0.22542035	0.24181946	-0.0163991	0.67415083	0.99999994
Tmem248	0.20830847	0.1457951	0.1621943	-0.0163992	0.74953068	0.99999994
Pkp4	0.19870138	0.13945001	0.15586536	-0.0164153	0.75835813	0.99999994
Nucks1	0.48577445	0.29180797	0.3082303	-0.0164223	0.63857288	0.99999994
Pard6a	0.13179835	0.09251647	0.10894199	-0.0164255	0.84221416	0.99999994
Tm9sf4	0.16776823	0.11835769	0.13480394	-0.0164463	0.79162833	0.99999994
Fam174a	0.31981729	0.21241098	0.22886811	-0.0164571	0.68390129	0.99999994
Golgb1	0.8040645	0.3877629	0.40423429	-0.0164714	0.60689199	0.99999994
Snrpa	0.6097962	0.33848372	0.35497559	-0.0164919	0.62143391	0.99999994
Zfp950	0.15338302	0.10814448	0.12464258	-0.0164981	0.81085655	0.99999994

Nsmce1	0.54442826	0.3150272	0.33152686	-0.0164997	0.62978286	0.99999994
Vps8	0.16745997	0.11807924	0.13458869	-0.0165094	0.79289527	0.99999994
0610010K14I	0.20406206	0.14288314	0.15940901	-0.0165259	0.75492239	0.99999994
Zfp9	0.07564248	0.04860282	0.06514005	-0.0165372	0.95447283	0.99999994
Lmf1	0.13670926	0.0960038	0.11256274	-0.0165589	0.83626117	0.99999994
Chst12	0.08224719	0.05396368	0.07052632	-0.0165626	0.94099746	0.99999994
Ankrd24	0.12685629	0.0886994	0.10526852	-0.0165691	0.85261197	0.99999994
Deaf1	0.16993177	0.11974193	0.13631174	-0.0165698	0.79078114	0.99999994
Anxa6	0.60951237	0.33828937	0.35487918	-0.0165898	0.62216424	0.99999994
Ebna1bp2	0.54543114	0.31528812	0.33190614	-0.016618	0.63053605	0.99999994
Slc25a51	0.37042668	0.23874651	0.25537388	-0.0166274	0.66763601	0.99999994
Limd1	0.18826464	0.13224168	0.14887746	-0.0166358	0.77149856	0.99999994
Knop1	0.551684	0.31761932	0.3342565	-0.0166372	0.62979544	0.99999994
Ube2g2	0.33273934	0.21919091	0.23584413	-0.0166532	0.68082708	0.99999994
Tomm5	0.55466533	0.31871098	0.33536854	-0.0166576	0.62953323	0.99999994
Nelfe	0.26193704	0.17910592	0.19576514	-0.0166592	0.71445352	0.99999994
Rasgrf1	0.17799433	0.12522241	0.14188435	-0.0166619	0.78279788	0.99999994
Tcta	0.27565631	0.18718874	0.20389455	-0.0167058	0.70725361	0.99999994
Sort1	0.12624772	0.08809609	0.1048141	-0.016718	0.8558139	0.99999994
Ddrgk1	0.44068265	0.27201626	0.28873978	-0.0167235	0.65007749	0.99999994
Syng2	0.34865192	0.22749935	0.24423595	-0.0167366	0.67585386	0.99999994
mt-Nd4l	0.31972132	0.21205305	0.22881576	-0.0167627	0.6870958	0.99999994
Coq9	0.38686109	0.24675283	0.26352353	-0.0167707	0.66407571	0.99999994
Pex11g	0.10647821	0.07303224	0.08980443	-0.0167722	0.89309648	0.99999994
lpo7	0.16677728	0.11732941	0.13411159	-0.0167822	0.79756341	0.99999994
Hid1	0.29235559	0.19676217	0.21354891	-0.0167867	0.6995984	0.99999994
Rab4a	0.21785253	0.15159663	0.1683842	-0.0167876	0.7465351	0.99999994
Etnk1	0.1993843	0.13952798	0.15631849	-0.0167905	0.76268748	0.99999994
Tmem215	0.20763362	0.14496161	0.16175303	-0.0167914	0.75521407	0.99999994
Scnn1b	0.05962318	0.03507765	0.05188273	-0.0168051	0.98445927	0.99999994

Morf4l1	2.12667171	0.3516461	0.36845335	-0.0168073	0.61929677	0.99999994
Nktr	0.71229028	0.36833546	0.38515195	-0.0168165	0.6143327	0.99999994
Atad1	0.28711356	0.19371469	0.21054659	-0.0168319	0.70268365	0.99999994
Adh5	0.64544761	0.34982313	0.3666688	-0.0168457	0.62012519	0.99999994
Trappc3	0.56301149	0.32160134	0.33845361	-0.0168523	0.62984127	0.99999994
Rpl4	2.7779568	0.34065461	0.3575339	-0.0168793	0.623334	0.99999994
Rheb	0.90294543	0.40147982	0.41836478	-0.016885	0.60589923	0.99999994
Katna1	0.25603527	0.17532549	0.1922122	-0.0168867	0.7206559	0.99999994
Pja2	0.50930425	0.30095573	0.31784484	-0.0168891	0.63821607	0.99999994
Pfkl	0.45678465	0.27895724	0.29586458	-0.0169073	0.64816875	0.99999994
Siva1	0.44562305	0.27403012	0.29094548	-0.0169154	0.65062037	0.99999994
Cdc5l	0.52050476	0.30537242	0.32229363	-0.0169212	0.63663371	0.99999994
Golga3	0.12875792	0.08976041	0.10668556	-0.0169252	0.85451577	0.99999994
Rnf181	0.38528816	0.24581955	0.26275285	-0.0169333	0.66602885	0.99999994
Eif3b	0.50284168	0.29830487	0.31524105	-0.0169362	0.63968237	0.99999994
Jak1	0.23164562	0.16022567	0.17716242	-0.0169368	0.73772544	0.99999994
Gnb1	0.64370681	0.34913579	0.36611925	-0.0169835	0.6212531	0.99999994
Chpf	0.23716072	0.16363326	0.18061816	-0.0169849	0.73432544	0.99999994
Ssr3	0.66912054	0.3569049	0.3739331	-0.0170282	0.61909995	0.99999994
Pcmt1	0.68393269	0.36099187	0.37802182	-0.01703	0.6178619	0.99999994
Ttc39a	0.14175218	0.09922098	0.11625101	-0.01703	0.83524809	0.99999994
Ube2j1	0.23985615	0.16526036	0.18229557	-0.0170352	0.73303741	0.99999994
Farsb	0.31933405	0.21153698	0.22860442	-0.0170674	0.69039088	0.99999994
Banf1	0.52491594	0.30694745	0.32402325	-0.0170758	0.63712534	0.99999994
Ptbp1	0.40320007	0.25432707	0.27141314	-0.0170861	0.6624039	0.99999994
Hacd2	0.24022388	0.16543534	0.18252383	-0.0170885	0.73342037	0.99999994
Ube4b	0.17716532	0.12422201	0.14131482	-0.0170928	0.78962573	0.99999994
Ccdc12	0.83085298	0.39153037	0.40862572	-0.0170953	0.60967678	0.99999994
Pgap1	0.18626428	0.13039657	0.14752443	-0.0171279	0.78018413	0.99999994
Gm10076	0.89960896	0.40086644	0.41799773	-0.0171313	0.60749856	0.99999994

Exosc7	0.36975882	0.23790172	0.25503805	-0.0171363	0.6726524	0.99999994
Isg20	0.28648281	0.193009	0.21018364	-0.0171746	0.70674764	0.99999994
Ap3s2	0.27717115	0.18757571	0.20478115	-0.0172054	0.71200728	0.99999994
Psmg4	0.26316715	0.17929087	0.19650148	-0.0172106	0.72005275	0.99999994
Lyplal1	0.3568889	0.23125326	0.24849559	-0.0172423	0.67791053	0.99999994
Vps4b	0.37167009	0.23873096	0.25599816	-0.0172672	0.67327498	0.99999994
Tbc1d1	0.08286907	0.05370864	0.07103111	-0.0173225	0.94773707	0.99999994
Ergic1	0.18949934	0.13236931	0.14971044	-0.0173411	0.77965048	0.99999994
Cog7	0.18624029	0.1301505	0.14750818	-0.0173577	0.78326601	0.99999994
Tapbp	0.24667801	0.16913847	0.1865084	-0.0173699	0.73234514	0.99999994
Pex2	0.32192078	0.21263449	0.23001359	-0.0173791	0.69249442	0.99999994
F8a	0.20826279	0.14477358	0.16216445	-0.0173909	0.76233767	0.99999994
Cops3	0.67521846	0.35829039	0.37568228	-0.0173919	0.62101601	0.99999994
Jmjd8	0.20972465	0.14569367	0.16311877	-0.0174251	0.76147733	0.99999994
Napa	1.09531879	0.41221645	0.42968271	-0.0174663	0.60664129	0.99999994
Epm2aip1	0.20438014	0.14209449	0.15961832	-0.0175238	0.76754127	0.99999994
Cdhr1	0.09232396	0.06112606	0.07865637	-0.0175303	0.93103135	0.99999994
Tulp4	0.30150122	0.20118696	0.21872686	-0.0175399	0.70325286	0.99999994
Rundc3a	0.4087686	0.25651239	0.2740547	-0.0175423	0.66497344	0.99999994
Mrpl2	0.4102768	0.25722196	0.27476583	-0.0175439	0.66458543	0.99999994
Borcs8	0.33121626	0.21747047	0.23502964	-0.0175592	0.69051102	0.99999994
Fmn2	0.09697919	0.06481706	0.08237695	-0.0175599	0.92203636	0.99999994
Jakmip1	0.08458486	0.05483529	0.07242177	-0.0175865	0.94699513	0.99999994
Timm9	0.18984364	0.13233167	0.14994242	-0.0176108	0.782831	0.99999994
Bcar1	0.20036839	0.13934509	0.15697059	-0.0176255	0.77259241	0.99999994
Zfp667	0.15400059	0.10740337	0.12508372	-0.0176804	0.8266127	0.99999994
Creg1	0.24307899	0.16658773	0.18429155	-0.0177038	0.73873081	0.99999994
Creld1	0.24961025	0.17058551	0.18830516	-0.0177197	0.73446328	0.99999994
Prorsd1	0.23480721	0.16142718	0.17914717	-0.01772	0.74485966	0.99999994
Tmem106c	0.25526935	0.17402042	0.19174866	-0.0177282	0.73086043	0.99999994

Trim27	0.38557811	0.24516588	0.26289506	-0.0177292	0.6732456	0.99999994
Trabd	0.37484659	0.23985697	0.25758743	-0.0177305	0.67658688	0.99999994
Cog6	0.16824662	0.11739119	0.13513779	-0.0177466	0.80897571	0.99999994
Tm2d1	0.71914618	0.36898823	0.38676933	-0.0177811	0.62020354	0.99999994
Prkcsh	0.64304601	0.348095	0.36591022	-0.0178152	0.62706157	0.99999994
Dennd4c	0.10600224	0.07161595	0.08943705	-0.0178211	0.90763591	0.99999994
Auh	0.39193592	0.24817539	0.26599691	-0.0178215	0.67219022	0.99999994
Polr2l	0.35338079	0.22884036	0.24668822	-0.0178479	0.68495019	0.99999994
Trappc9	0.12787438	0.08817146	0.10602771	-0.0178563	0.86885718	0.99999994
Ppp1r10	0.36498988	0.23477277	0.25262969	-0.0178569	0.68100078	0.99999994
Tbcd	0.10524452	0.0709806	0.0888516	-0.017871	0.90968444	0.99999994
Ibtk	0.1320984	0.09129012	0.10916404	-0.0178739	0.86211606	0.99999994
Commd1	0.82052901	0.38914225	0.40703381	-0.0178916	0.61508087	0.99999994
Vti1b	0.43352873	0.26760688	0.28551379	-0.0179069	0.66183444	0.99999994
Txndc5	0.40874758	0.25613646	0.27404477	-0.0179083	0.66821167	0.99999994
Hdlbp	0.58764613	0.32938368	0.34731422	-0.0179305	0.63444261	0.99999994
Ccdc127	0.30192577	0.20101075	0.21896532	-0.0179546	0.70739949	0.99999994
Txn2	0.49590738	0.29445199	0.31241585	-0.0179639	0.64904353	0.99999994
Tsen34	0.84914183	0.39344598	0.41144705	-0.0180011	0.61455843	0.99999994
Mafg	0.27283885	0.18423446	0.20223986	-0.0180054	0.72328061	0.99999994
Ndufa13	1.62602172	0.3781062	0.39611631	-0.0180101	0.61891891	0.99999994
Slit1	0.10482203	0.07051007	0.08852486	-0.0180148	0.91222233	0.99999994
G6pc3	0.23146009	0.15902637	0.17704564	-0.0180193	0.75094535	0.99999994
Tmem229b	0.07028752	0.04271933	0.06073906	-0.0180197	0.97585297	0.99999994
Sec22a	0.22026504	0.15190889	0.16993395	-0.0180251	0.7599203	0.99999994
Zc3h15	0.738349	0.37300704	0.39103852	-0.0180315	0.62055416	0.99999994
Tmem263	0.22241032	0.15326379	0.17130704	-0.0180433	0.75837784	0.99999994
mt-Nd5	1.01304837	0.40904162	0.42709355	-0.0180519	0.61077663	0.99999994
Hspe1	1.38945051	0.40117317	0.41922951	-0.0180563	0.61282566	0.99999994
Scarb2	0.22800563	0.1567992	0.1748649	-0.0180657	0.75417402	0.99999994

Slc35f5	0.16720921	0.1163374	0.13441351	-0.0180761	0.81464808	0.99999994
Blcap	0.29045963	0.19438674	0.21246591	-0.0180792	0.71444015	0.99999994
Zfp516	0.27395367	0.18479627	0.20289548	-0.0180992	0.72366959	0.99999994
Tex261	0.27681126	0.18645113	0.2045707	-0.0181196	0.72226322	0.99999994
Cyb5b	0.30632788	0.20330862	0.22142837	-0.0181197	0.70701925	0.99999994
Mrpl48	0.48167019	0.2883625	0.30651454	-0.018152	0.6532814	0.99999994
Dynlrb1	1.37687518	0.40201189	0.42017052	-0.0181586	0.61320023	0.99999994
Rab18	0.65870551	0.3526272	0.37079643	-0.0181692	0.62785032	0.99999994
Pin4	0.63037724	0.34365123	0.36182635	-0.0181751	0.63094589	0.99999994
Amd1	0.21514402	0.14845799	0.16663716	-0.0181792	0.76613301	0.99999994
Mfsd10	0.1764927	0.12267108	0.14085217	-0.0181811	0.80488423	0.99999994
Cand1	0.1684338	0.11708259	0.13526834	-0.0181858	0.81457826	0.99999994
Ube2k	0.84039157	0.39192172	0.41012017	-0.0181985	0.61614275	0.99999994
Metap2	1.0441017	0.41029729	0.42849945	-0.0182022	0.61131745	0.99999994
Eif3a	1.02212383	0.40929482	0.42752318	-0.0182284	0.61172121	0.99999994
Fam220a	0.33441459	0.21850459	0.23673772	-0.0182331	0.69590586	0.99999994
Pdzd11	0.43924873	0.26985412	0.28809635	-0.0182422	0.66329766	0.99999994
Rab27a	0.26178747	0.17742724	0.19567551	-0.0182483	0.7326203	0.99999994
Iscu	0.68058422	0.35886417	0.37712772	-0.0182636	0.62640784	0.99999994
Mapk8ip3	0.14822794	0.10267184	0.12094298	-0.0182711	0.84269394	0.99999994
Gmppb	0.28953616	0.19364731	0.21193722	-0.0182899	0.71716335	0.99999994
Lysmd2	0.3744128	0.23907596	0.25737087	-0.0182949	0.6819503	0.99999994
Ntrk2	0.07005276	0.04224965	0.06054542	-0.0182958	0.97786028	0.99999994
Arf3	0.27563607	0.18558053	0.20388269	-0.0183022	0.72492268	0.99999994
Sgms2	0.10879424	0.07325191	0.09158805	-0.0183361	0.90867147	0.99999994
Tmem39a	0.18231867	0.12649745	0.14484288	-0.0183454	0.80040734	0.99999994
Psme4	0.23498116	0.16090304	0.17925609	-0.0183531	0.75222499	0.99999994
Mbd2	0.1042495	0.06971074	0.08808171	-0.018371	0.91747696	0.99999994
Gcdh	0.17744654	0.1231248	0.1415081	-0.0183833	0.8064055	0.99999994
Rwdd4a	0.4163613	0.25923395	0.27761755	-0.0183836	0.67031329	0.99999994

Hax1	0.53088901	0.30795756	0.32634597	-0.0183884	0.64619269	0.99999994
H3f3a	2.76562069	0.33995697	0.35836999	-0.018413	0.63382576	0.99999994
Preb	0.35910923	0.23119479	0.24963432	-0.0184395	0.68852707	0.99999994
Rbm8a	1.13194146	0.41148177	0.42993506	-0.0184533	0.61244535	0.99999994
Prcc1	0.18018314	0.12492872	0.14338441	-0.0184557	0.80421439	0.99999994
Sil1	0.23089163	0.15822317	0.1766876	-0.0184644	0.75666381	0.99999994
Bpnt1	0.37885615	0.24110152	0.2595813	-0.0184798	0.68220404	0.99999994
Ube2s	1.20127892	0.41048344	0.42896727	-0.0184838	0.6128737	0.99999994
Nus1	0.25343623	0.17212785	0.19063692	-0.0185091	0.74094786	0.99999994
Mapre1	0.70947974	0.36595775	0.38448171	-0.018524	0.62577996	0.99999994
Snrpg	0.94611505	0.40403181	0.42257047	-0.0185387	0.61486514	0.99999994
Trip11	0.33951175	0.22087658	0.23944202	-0.0185654	0.69711092	0.99999994
Bola1	0.38259921	0.24285138	0.26143089	-0.0185795	0.68191398	0.99999994
Spcs3	0.29563668	0.1968228	0.21541544	-0.0185926	0.71719012	0.99999994
Cox18	0.212151	0.14607678	0.16469779	-0.018621	0.77414852	0.99999994
Fndc3b	0.11547936	0.07806015	0.09669883	-0.0186387	0.90025604	0.99999994
Tmem50b	0.12683639	0.08659318	0.10525366	-0.0186605	0.88102161	0.99999994
Tsg101	0.93863747	0.40325946	0.42193418	-0.0186747	0.61585374	0.99999994
Rabggtb	0.37060396	0.23677233	0.25546296	-0.0186906	0.68687229	0.99999994
Abhd8	0.17958094	0.12427557	0.14297222	-0.0186966	0.80797545	0.99999994
Mrps12	0.66738108	0.35469521	0.37341314	-0.0187179	0.63068214	0.99999994
Pkm	1.91290783	0.35473148	0.37345069	-0.0187192	0.63067809	0.99999994
Tab2	0.26876277	0.18110516	0.19983282	-0.0187277	0.73362421	0.99999994
St3gal5	0.16117177	0.11144166	0.13017424	-0.0187326	0.83093733	0.99999994
Gpsm1	0.23325132	0.1593793	0.17817169	-0.0187924	0.758682	0.99999994
Pelo	0.17411881	0.12040428	0.13921487	-0.0188106	0.81578042	0.99999994
Shc1	0.1604609	0.11084666	0.12967224	-0.0188256	0.83306745	0.99999994
Ncbp2	0.47113207	0.28322575	0.30205751	-0.0188318	0.66092551	0.99999994
Cbr1	0.43536781	0.26750126	0.28634681	-0.0188456	0.66933578	0.99999994
Kif1b	0.39970594	0.25088954	0.26974337	-0.0188538	0.67912345	0.99999994

Abhd17a	0.2378384	0.16215589	0.1810407	-0.0188848	0.75626586	0.99999994
Mpc2	0.8215758	0.38828622	0.40719734	-0.0189111	0.62139084	0.99999994
Tbl1x	0.38772449	0.24501273	0.26394575	-0.018933	0.68348464	0.99999994
Nrd1	0.44511753	0.27178388	0.29072058	-0.0189367	0.66770177	0.99999994
Syvn1	0.12084673	0.08181234	0.10076153	-0.0189492	0.89467732	0.99999994
Scamp3	0.44811288	0.27308548	0.29205055	-0.0189651	0.66721945	0.99999994
Pgrmc2	0.31438339	0.20691175	0.22589122	-0.0189795	0.71201122	0.99999994
Zdhhc2	0.12853888	0.08753064	0.10652256	-0.0189919	0.88233945	0.99999994
Ndel1	0.24825033	0.16847895	0.1874729	-0.0189939	0.74996943	0.99999994
Usp48	0.18706138	0.12902673	0.1480641	-0.0190374	0.80395755	0.99999994
Cnpy3	0.20821589	0.14309338	0.1621338	-0.0190404	0.7828043	0.99999994
Ttc14	0.4168419	0.25878375	0.27784164	-0.0190579	0.67601247	0.99999994
Vps53	0.21391242	0.14677565	0.16584025	-0.0190646	0.77792357	0.99999994
Cnih1	0.55962841	0.31814327	0.33720805	-0.0190648	0.64666479	0.99999994
Pigk	0.28104038	0.18795866	0.20703604	-0.0190774	0.73017808	0.99999994
Map2	0.18328973	0.12640501	0.14550442	-0.0190994	0.80886905	0.99999994
Kars	0.29648261	0.19679417	0.21589509	-0.0191009	0.72203889	0.99999994
Impdh1	0.19292875	0.13291227	0.15201519	-0.0191029	0.79855414	0.99999994
Nmt1	0.37139205	0.23674979	0.25585867	-0.0191089	0.69045201	0.99999994
Ap3d1	0.21472915	0.14725671	0.16636889	-0.0191122	0.77776636	0.99999994
Zfp330	0.37789455	0.23999014	0.25910436	-0.0191142	0.68830157	0.99999994
Eef2kmt	0.22762644	0.15550899	0.17462479	-0.0191158	0.76689426	0.99999994
Fam3a	0.22027665	0.15079269	0.16994139	-0.0191487	0.77338072	0.99999994
Upb1	0.17530967	0.12086399	0.140037	-0.019173	0.81894391	0.99999994
Triap1	0.33083776	0.21563078	0.23482692	-0.0191961	0.70682407	0.99999994
Tbc1d16	0.23442194	0.15970297	0.17890585	-0.0192029	0.76252889	0.99999994
Timm10b	0.67433036	0.3562374	0.37544152	-0.0192041	0.6332516	0.99999994
Ap2b1	0.29647787	0.19666685	0.2158924	-0.0192256	0.72332876	0.99999994
Madd	0.13888153	0.09490942	0.11415518	-0.0192458	0.86911453	0.99999994
Cops7a	0.45891558	0.2775048	0.29679341	-0.0192886	0.66734614	0.99999994

Robo2	0.08298537	0.05180303	0.07112548	-0.0193224	0.96472108	0.99999994
Zfyve21	0.32010386	0.20968815	0.22902439	-0.0193362	0.71293787	0.99999994
Yif1a	0.54971942	0.3141773	0.33352081	-0.0193435	0.65027198	0.99999994
Calm1	2.81382263	0.33593186	0.35529627	-0.0193644	0.6416175	0.99999994
Slc37a4	0.283386	0.18902695	0.20839628	-0.0193693	0.7319342	0.99999994
Tra2b	0.92286058	0.40104757	0.42043652	-0.019389	0.62056546	0.99999994
2300009A05	0.36114281	0.2312722	0.25067356	-0.0194014	0.69678694	0.99999994
Ascc3	0.23277594	0.15846641	0.17787315	-0.0194067	0.76615352	0.99999994
Creb3	0.39371159	0.24743719	0.26685716	-0.01942	0.68594989	0.99999994
Prpf8	0.18251133	0.12552804	0.14497421	-0.0194462	0.81403218	0.99999994
Anapc16	0.68273354	0.3582436	0.37770232	-0.0194587	0.63417321	0.99999994
Zcrb1	0.89532261	0.3980603	0.41751943	-0.0194591	0.62180686	0.99999994
Hopx	0.14352539	0.0980493	0.11754076	-0.0194915	0.86516121	0.99999994
Znhit1	0.73025485	0.36975407	0.38924905	-0.019495	0.63057406	0.99999994
Stub1	1.04572062	0.40904399	0.42855762	-0.0195136	0.61908772	0.99999994
Acot13	0.49393601	0.29204296	0.31160683	-0.0195639	0.66199417	0.99999994
Tonsl	0.9784012	0.40541104	0.42500016	-0.0195891	0.62050411	0.99999994
Gns	0.1305686	0.08842807	0.10803078	-0.0196027	0.88644343	0.99999994
Fbxo21	0.20765227	0.14215771	0.16176523	-0.0196075	0.79011359	0.99999994
Cfap20	0.82854325	0.38865203	0.40827289	-0.0196209	0.62547511	0.99999994
Pdxdc1	0.1883906	0.12933074	0.14896251	-0.0196318	0.80982235	0.99999994
Mtch2	0.9975633	0.40661716	0.42625325	-0.0196361	0.62043997	0.99999994
G3bp2	0.65168763	0.34895298	0.36862563	-0.0196726	0.63879269	0.99999994
Ubr4	0.20806046	0.14234879	0.16203219	-0.0196834	0.7906283	0.99999994
Sec23ip	0.1887907	0.12954429	0.14923256	-0.0196883	0.81007543	0.99999994
9130401M01	0.19493425	0.13363937	0.15335684	-0.0197175	0.80395257	0.99999994
Dnajc24	0.43162895	0.26491366	0.28465072	-0.0197371	0.67779344	0.99999994
Sorbs2	0.1966376	0.13474948	0.15449297	-0.0197435	0.8025187	0.99999994
M6pr	0.31336829	0.2055791	0.22533198	-0.0197529	0.72022318	0.99999994
Ppp1cc	0.85253082	0.39216437	0.41194564	-0.0197813	0.62537653	0.99999994

Atp6v0e2	0.25486442	0.17172134	0.19150336	-0.019782	0.75414512	0.99999994
Ufsp2	0.36551185	0.23310977	0.25289418	-0.0197844	0.69872604	0.99999994
Cpq	0.29830079	0.1970886	0.21692384	-0.0198352	0.72862143	0.99999994
Dync1h1	0.31382921	0.20570891	0.22558602	-0.0198771	0.72123459	0.99999994
Psm11	0.84214421	0.39051201	0.41039034	-0.0198783	0.62643203	0.99999994
Slc2a5	0.27434435	0.18324473	0.20312496	-0.0198802	0.74262863	0.99999994
Cdk5rap3	0.42158009	0.26014282	0.2800417	-0.0198989	0.68188623	0.99999994
Ganab	0.23128457	0.15702658	0.17693513	-0.0199085	0.77306122	0.99999994
Aga	0.27962784	0.18628689	0.20621446	-0.0199276	0.73996522	0.99999994
Mcf2l	0.22062683	0.15023285	0.17016585	-0.019933	0.78222115	0.99999994
Tex264	0.25230772	0.17001688	0.18995068	-0.0199338	0.75757748	0.99999994
Tra2a	0.53508069	0.30800934	0.32796233	-0.019953	0.65724948	0.99999994
Ormdl2	0.41435664	0.25669684	0.27668104	-0.0199842	0.68466258	0.99999994
Txlna	0.29759704	0.19653237	0.216526	-0.0199936	0.73060257	0.99999994
Cox14	1.17692569	0.40948863	0.42949316	-0.0200045	0.62173235	0.99999994
Mgat2	0.34598232	0.22283198	0.24284342	-0.0200114	0.70833088	0.99999994
Cisd2	0.4560857	0.27553165	0.29555923	-0.0200276	0.67402174	0.99999994
Bicd1	0.2056115	0.14038856	0.1604276	-0.020039	0.79713941	0.99999994
Larp4b	0.30450433	0.20035282	0.22041016	-0.0200573	0.7276526	0.99999994
Atp6ap1	0.64265691	0.34571742	0.36578703	-0.0200696	0.6425241	0.99999994
Pecr	0.11098854	0.07320033	0.09327173	-0.0200714	0.92398527	0.99999994
Tor2a	0.5527593	0.3145781	0.3346582	-0.0200801	0.65519839	0.99999994
2900076A07	0.19855976	0.13569036	0.15577133	-0.020081	0.8045791	0.99999994
Lrrc59	0.40393593	0.25167312	0.27176362	-0.0200905	0.68866869	0.99999994
Gm1s	0.22944511	0.15563672	0.17577508	-0.0201384	0.77715247	0.99999994
Clock	0.26995564	0.18039649	0.20053886	-0.0201424	0.74811594	0.99999994
Akr1b3	0.38035768	0.24017874	0.26032458	-0.0201458	0.69676482	0.99999994
Mrpl57	0.9052803	0.39847149	0.41861893	-0.0201474	0.62565212	0.99999994
Cnpy2	1.08063035	0.40930144	0.42946985	-0.0201684	0.62270409	0.99999994
Spag7	0.80978452	0.38507161	0.40524795	-0.0201763	0.62983049	0.99999994

Nedd8	1.41529516	0.39695086	0.41713117	-0.0201803	0.62628372	0.99999994
Psmg1	0.2386001	0.16133171	0.18151488	-0.0201832	0.77039253	0.99999994
Sec16a	0.13368204	0.09014665	0.11033421	-0.0201876	0.88836835	0.99999994
Pts	0.30471196	0.2003358	0.22052624	-0.0201904	0.72887951	0.99999994
Atf6b	0.36943483	0.23468229	0.25487501	-0.0201927	0.70102696	0.99999994
Med28	1.18252338	0.40918878	0.42938651	-0.0201977	0.62289981	0.99999994
Setd3	0.27423452	0.18283447	0.20306046	-0.020226	0.74633847	0.99999994
Arfgap1	0.17109024	0.11685315	0.13711693	-0.0202638	0.83737038	0.99999994
Trpm5	0.13360327	0.09000462	0.11027609	-0.0202715	0.88944895	0.99999994
Slc35b2	0.29829652	0.19660079	0.21692143	-0.0203206	0.73353858	0.99999994
Scamp2	0.35337213	0.2263487	0.24668375	-0.020335	0.7083971	0.99999994
Rpl36al	2.12556874	0.34810283	0.36845476	-0.0203519	0.64344029	0.99999994
Ppm1l	0.17801796	0.12152994	0.14190057	-0.0203706	0.83035213	0.99999994
Neu1	0.22603091	0.15323523	0.17361287	-0.0203776	0.78268211	0.99999994
Lrp11	0.35419307	0.22670052	0.2471076	-0.0204071	0.70873992	0.99999994
Gbf1	0.23786963	0.16064055	0.18106015	-0.0204196	0.77358051	0.99999994
Zfhx2	0.17799137	0.12144988	0.14188231	-0.0204324	0.83111485	0.99999994
Fkbp9	0.27641738	0.18388805	0.20434025	-0.0204522	0.74736724	0.99999994
Nans	0.52482884	0.30352998	0.32398922	-0.0204592	0.66287961	0.99999994
Sptssa	0.4885047	0.28890384	0.30936472	-0.0204609	0.67011865	0.99999994
Phb2	1.02561834	0.40717542	0.42769807	-0.0205226	0.62528781	0.99999994
Timm17b	0.58102522	0.32441708	0.34496853	-0.0205515	0.65415093	0.99999994
Dhrs7	0.1975169	0.13451808	0.15507825	-0.0205602	0.81124556	0.99999994
Rps14	3.49245561	0.23951845	0.26012048	-0.020602	0.70097123	0.99999994
Mcee	0.4051245	0.25169497	0.27232884	-0.0206339	0.69298887	0.99999994
Tkt	0.36888605	0.23394615	0.25459865	-0.0206525	0.70538415	0.99999994
Bet1l	0.34299581	0.22061462	0.24127795	-0.0206633	0.71568098	0.99999994
Mrpl14	0.80540538	0.38380582	0.40447328	-0.0206675	0.63311746	0.99999994
Ctnnb1	0.67118349	0.3538603	0.37454773	-0.0206874	0.6434334	0.99999994
Prdx6	0.89470385	0.3967424	0.41744975	-0.0207074	0.62936983	0.99999994

Slc7a14	0.20556873	0.13963729	0.16039951	-0.0207622	0.8055472	0.99999994
Mlec	0.35069051	0.22451694	0.24529537	-0.0207784	0.71357029	0.99999994
Prdx3	0.53760887	0.30814201	0.32893166	-0.0207897	0.66301492	0.99999994
Dnajc10	0.38958754	0.24406097	0.26485486	-0.0207939	0.69937157	0.99999994
Ptpn11	0.23968094	0.16138892	0.18218676	-0.0207978	0.77633329	0.99999994
Rint1	0.18824704	0.12806151	0.14886557	-0.0208041	0.82387411	0.99999994
Polr2g	1.0936963	0.40882954	0.42965686	-0.0208273	0.62652455	0.99999994
Birc6	0.33803984	0.2178174	0.23866334	-0.0208459	0.71951341	0.99999994
Cltc	0.47105135	0.28111662	0.30202308	-0.0209065	0.67751546	0.99999994
Dcaf8	0.55863365	0.31590198	0.33684052	-0.0209385	0.66047867	0.99999994
Pttg1ip	0.28488667	0.1883243	0.20926357	-0.0209393	0.74730929	0.99999994
Cflar	0.16499458	0.11182727	0.13286326	-0.021036	0.85403315	0.99999994
Gga2	0.25223442	0.1688409	0.18990606	-0.0210652	0.76984922	0.99999994
Exosc4	0.58558686	0.32549956	0.34658732	-0.0210878	0.65726106	0.99999994
Polr2i	0.67155337	0.35356989	0.3746577	-0.0210878	0.6460421	0.99999994
Hmox2	0.43041429	0.26298888	0.28409753	-0.0211087	0.68954899	0.99999994
Usp16	0.2950847	0.19397774	0.21510211	-0.0211244	0.74334613	0.99999994
Tomm40	0.59524334	0.32876324	0.349975	-0.0212118	0.65668682	0.99999994
Golt1b	0.24617278	0.16498169	0.18619796	-0.0212163	0.77591116	0.99999994
P2ry1	0.16358293	0.11064045	0.13187222	-0.0212318	0.85807054	0.99999994
Ccdc124	0.53388477	0.30626601	0.32750243	-0.0212364	0.66699188	0.99999994
Ficd	0.10188901	0.0649902	0.0862503	-0.0212601	0.94957495	0.99999994
D5Ertd579e	0.18332394	0.12425651	0.1455277	-0.0212712	0.83470665	0.99999994
Gpr180	0.18628245	0.1262623	0.14753674	-0.0212744	0.83142974	0.99999994
Rnf5	0.79019265	0.38037946	0.40167548	-0.021296	0.63792081	0.99999994
Pigyl	0.52457187	0.30256641	0.32388878	-0.0213224	0.66938074	0.99999994
Sec61a1	0.50111593	0.2932112	0.31454119	-0.02133	0.67414495	0.99999994
Gng4	0.19648559	0.13304232	0.15439171	-0.0213494	0.82132996	0.99999994
Pigt	0.55069719	0.31251476	0.33388725	-0.0213725	0.6649755	0.99999994
Akt1	0.2066296	0.13971032	0.16109552	-0.0213852	0.81154989	0.99999994

Ywhab	1.00672006	0.40539622	0.4267835	-0.0213873	0.63064723	0.99999994
Syndig1l	0.11841043	0.07751247	0.09892182	-0.0214093	0.92515329	0.99999994
Trappc6b	0.58239043	0.32403322	0.34545425	-0.021421	0.6601049	0.99999994
Eif3j1	0.3244371	0.20993923	0.23137886	-0.0214396	0.73131006	0.99999994
Aph1a	0.27206271	0.18029468	0.20178273	-0.0214881	0.76078893	0.99999994
Txndc11	0.14012087	0.09356761	0.1150612	-0.0214936	0.89314282	0.99999994
Dnpep	0.6561631	0.34848443	0.37001658	-0.0215321	0.65075122	0.99999994
Ddx17	0.42971121	0.26222333	0.28377684	-0.0215535	0.69341928	0.99999994
Ddb1	0.41256487	0.25427544	0.27584145	-0.021566	0.69861161	0.99999994
Hmbs	0.29264035	0.19212985	0.21371129	-0.0215814	0.74926747	0.99999994
Nol12	0.2361969	0.15843303	0.18001642	-0.0215834	0.78758678	0.99999994
Npdc1	0.75160397	0.37214742	0.39394048	-0.0217931	0.6436507	0.99999994
Trp53inp2	0.16142175	0.10848612	0.13035059	-0.0218645	0.86789814	0.99999994
Irak1	0.19633626	0.13241639	0.1542922	-0.0218758	0.82735119	0.99999994
Cacfd1	0.33478278	0.21505029	0.2369338	-0.0218835	0.73065323	0.99999994
Rpl24	2.87894133	0.32845854	0.35041669	-0.0219582	0.66170001	0.99999994
Arl8b	0.24213059	0.16174696	0.18370525	-0.0219583	0.7868777	0.99999994
Pgm3	0.15181999	0.10154671	0.1235241	-0.0219774	0.88185251	0.99999994
Ube2n	1.21254246	0.40667837	0.42866083	-0.0219825	0.63357975	0.99999994
Gemin7	0.48698197	0.28674331	0.30873263	-0.0219893	0.68228417	0.99999994
Stx8	0.28097621	0.18499033	0.20699876	-0.0220084	0.76043873	0.99999994
Sdhb	1.03275606	0.40603396	0.4280427	-0.0220087	0.63391901	0.99999994
Tmem41b	0.27049953	0.17882429	0.20086033	-0.022036	0.76738365	0.99999994
Smyd2	0.18562709	0.12502629	0.14709252	-0.0220662	0.84099613	0.99999994
Psm2	0.85887655	0.39073451	0.41286571	-0.0221312	0.63938165	0.99999994
Gramd1a	0.23805872	0.15900873	0.18117791	-0.0221692	0.79231534	0.99999994
Slc30a5	0.16496577	0.11065932	0.13284306	-0.0221837	0.86683605	0.99999994
Galnt18	0.14182497	0.09408643	0.11630403	-0.0222176	0.8982364	0.99999994
Ogfod2	0.26056389	0.17271339	0.19494146	-0.0222281	0.77606982	0.99999994
Cyb5a	0.46436646	0.27691808	0.29915509	-0.022237	0.68962406	0.99999994

Arl6ip1	0.88688329	0.39428998	0.41653039	-0.0222404	0.63885976	0.99999994
Sec63	0.24004068	0.16009286	0.18241013	-0.0223173	0.79228728	0.99999994
Ap3b2	0.18882699	0.12692137	0.14925705	-0.0223357	0.84039808	0.99999994
Setd5	0.45542868	0.27292975	0.29527189	-0.0223421	0.6927506	0.99999994
Dctn3	1.45103734	0.39160337	0.41395389	-0.0223505	0.64035027	0.99999994
Chchd3	0.48898467	0.28720946	0.30956364	-0.0223542	0.68462387	0.99999994
Ufl1	0.27664765	0.18211473	0.204475	-0.0223603	0.76666353	0.99999994
Vkorc1	0.42924135	0.26118037	0.28356233	-0.022382	0.70034586	0.99999994
Rab11b	0.82274889	0.38499106	0.40738001	-0.0223889	0.64275128	0.99999994
Ssu72	0.95310809	0.40070924	0.42312249	-0.0224133	0.63780378	0.99999994
Rfk	0.35335254	0.22424273	0.24667362	-0.0224309	0.72750547	0.99999994
Smim20	0.41061041	0.25248236	0.27492291	-0.0224405	0.70654676	0.99999994
Zc3h7a	0.17812328	0.11952604	0.14197287	-0.0224468	0.85369503	0.99999994
Slc38a4	0.17466871	0.11712285	0.13959469	-0.0224718	0.85803555	0.99999994
Snf8	0.60169101	0.32970542	0.352205	-0.0224996	0.66466254	0.99999994
Rab5c	0.50347589	0.29297859	0.31549777	-0.0225192	0.68264522	0.99999994
Erp44	0.66329394	0.3496652	0.37218526	-0.0225201	0.65643786	0.99999994
Hspa13	0.26250779	0.17358043	0.19610696	-0.0225265	0.77774713	0.99999994
Cyfp2	0.13244658	0.0868314	0.10942158	-0.0225902	0.91531184	0.99999994
Pdhb	0.67870296	0.35399851	0.37662273	-0.0226242	0.65536874	0.99999994
Pafah1b1	0.90628216	0.39608502	0.41872729	-0.0226423	0.64055253	0.99999994
Tmem65	0.13669962	0.08991255	0.11255566	-0.0226431	0.90972717	0.99999994
Actn4	0.24835652	0.16483717	0.18753795	-0.0227008	0.78980004	0.99999994
Emc4	0.52789931	0.30248126	0.32518615	-0.0227049	0.67894655	0.99999994
Ifi30	0.2400611	0.15971508	0.18242281	-0.0227077	0.79632717	0.99999994
Sh3pxd2a	0.08527851	0.05027086	0.07298311	-0.0227122	0.9808416	0.99999994
Lamp2	0.45978224	0.27444059	0.29717027	-0.0227297	0.6946678	0.99999994
Ptma	3.09938022	0.29653802	0.31944013	-0.0229021	0.68339882	0.99999994
Twsg1	0.23804093	0.15823568	0.18116684	-0.0229312	0.80025358	0.99999994
Tomm22	0.65299942	0.34607977	0.36903441	-0.0229546	0.66057689	0.99999994

Cfap36	0.56844154	0.31747904	0.34043761	-0.0229586	0.67324603	0.99999994
Orc6	0.38392226	0.2390936	0.26208204	-0.0229884	0.72034281	0.99999994
Tapbpl	0.14119702	0.09285141	0.11584645	-0.022995	0.90679258	0.99999994
Dnajc15	0.50048821	0.29126825	0.31428599	-0.0230177	0.68704783	0.99999994
Chmp4b	0.8657609	0.39079356	0.4138264	-0.0230328	0.64448795	0.99999994
Nucb1	0.57423663	0.31948625	0.34253579	-0.0230495	0.67289176	0.99999994
Yeats4	0.45195077	0.27068561	0.2937454	-0.0230598	0.69935336	0.99999994
Slc33a1	0.1725609	0.11507696	0.13813695	-0.02306	0.8667554	0.99999994
Psmc5	1.0858589	0.406466	0.42952791	-0.0230619	0.63959951	0.99999994
Gosr2	0.24023431	0.15934034	0.18253031	-0.02319	0.801132	0.99999994
Wbp1	0.47495044	0.28048164	0.3036811	-0.0231995	0.69445105	0.99999994
Gorasp2	0.55607624	0.31261976	0.33589296	-0.0232732	0.67767342	0.99999994
Srp19	0.70999053	0.36127557	0.38460384	-0.0233283	0.6567993	0.99999994
Chid1	0.3111911	0.20077808	0.22412947	-0.0233514	0.75600409	0.99999994
Desi1	0.34830999	0.22068449	0.24405792	-0.0233734	0.73809375	0.99999994
BC004004	0.43607448	0.26325926	0.28666626	-0.023407	0.70660987	0.99999994
Hook1	0.2345375	0.15556331	0.17897825	-0.0234149	0.80807434	0.99999994
Psmc3	0.58357773	0.32241873	0.34587581	-0.0234571	0.67416014	0.99999994
Eif6	0.75594878	0.37137934	0.39485922	-0.0234799	0.65387858	0.99999994
Eny2	0.90440865	0.39501611	0.41852431	-0.0235082	0.64575422	0.99999994
Emc6	0.62807127	0.33755789	0.36107308	-0.0235152	0.66767459	0.99999994
Eif4g1	0.59475892	0.32618101	0.34980652	-0.0236255	0.67348699	0.99999994
Zfp568	0.14458385	0.09466832	0.11830888	-0.0236406	0.90825373	0.99999994
Cyhr1	0.34874635	0.22064346	0.2442851	-0.0236416	0.74027544	0.99999994
Snx3	0.82649116	0.38431031	0.40795845	-0.0236481	0.65019583	0.99999994
Larp1b	0.09406839	0.05628602	0.08005316	-0.0237671	0.97593504	0.99999994
Csnk1a1	1.31126531	0.40060931	0.42437768	-0.0237684	0.6453538	0.99999994
Tmem176b	1.32938043	0.39953685	0.42333795	-0.0238011	0.64588591	0.99999994
Txndc9	0.83241117	0.38505975	0.40887265	-0.0238129	0.65086941	0.99999994
Snx17	0.61491785	0.33278024	0.35670379	-0.0239235	0.67235709	0.99999994

Snrpb	1.27927673	0.40208456	0.42603352	-0.023949	0.64586448	0.99999994
Adi1	0.20737841	0.13761298	0.16158603	-0.0239731	0.83831185	0.99999994
Ssb	1.24590977	0.4035183	0.42749639	-0.0239781	0.64555686	0.99999994
Gtf2h5	1.07226607	0.40537019	0.4293598	-0.0239896	0.64502027	0.99999994
Atp6v0e	1.33285317	0.39911315	0.42312664	-0.0240135	0.64719742	0.99999994
Uba5	0.40720871	0.24930316	0.27331739	-0.0240142	0.72067276	0.99999994
Ninj1	0.43773618	0.26339085	0.28741601	-0.0240252	0.7110334	0.99999994
Tmem160	0.4951966	0.28806377	0.31212445	-0.0240607	0.69606545	0.99999994
BC031181	1.03351858	0.40398829	0.42807853	-0.0240902	0.6460167	0.99999994
Naga	0.19388453	0.12855768	0.15265513	-0.0240974	0.85331159	0.99999994
BC005537	0.29563554	0.19131702	0.21541479	-0.0240978	0.77175099	0.99999994
Itpkb	0.10277979	0.06280012	0.08694225	-0.0241421	0.96772326	0.99999994
Mrpl34	0.81235544	0.38152611	0.4056986	-0.0241725	0.65416939	0.99999994
Idh3a	0.42622159	0.2580022	0.28217986	-0.0241777	0.71577251	0.99999994
Rab25	0.47111309	0.2778545	0.30204942	-0.0241949	0.7030493	0.99999994
Gm10073	0.34602802	0.21859756	0.2428673	-0.0242697	0.74702916	0.99999994
Tmem234	0.97918883	0.40075283	0.42505502	-0.0243022	0.64823961	0.99999994
Atp2a3	0.26672825	0.17421637	0.19862505	-0.0244087	0.79331797	0.99999994
Snd1	0.51700986	0.29649334	0.32091462	-0.0244213	0.69376193	0.99999994
Snrnp70	0.81091362	0.38100637	0.40544624	-0.0244399	0.65587768	0.99999994
Ndufs4	1.11096769	0.40536217	0.4298682	-0.024506	0.64782952	0.99999994
Dguok	0.36746082	0.22928066	0.25387981	-0.0245992	0.7405215	0.99999994
Chchd1	0.71278458	0.36063244	0.38526939	-0.024637	0.66482087	0.99999994
Rcan3	0.17813112	0.11730498	0.14197825	-0.0246733	0.87631379	0.99999994
Taf6l	0.55937444	0.31243222	0.33711428	-0.0246821	0.68699479	0.99999994
Sdhaf1	0.37734469	0.23412479	0.25883131	-0.0247065	0.73740872	0.99999994
Dnajc5	0.31522468	0.20155872	0.22635382	-0.0247951	0.76704393	0.99999994
Snrpd1	0.94415955	0.39757773	0.42241275	-0.024835	0.65223033	0.99999994
Tmem214	0.29287078	0.1889964	0.21384263	-0.0248462	0.78035646	0.99999994
Bccip	0.53121936	0.30160015	0.32647379	-0.0248736	0.69397165	0.99999994

Ndufa4	2.14124261	0.34363978	0.3685241	-0.0248843	0.67345213	0.99999994
Ubl3	0.55162681	0.30930427	0.33423512	-0.0249308	0.69023012	0.99999994
Dnajc19	0.56927594	0.31580757	0.34074092	-0.0249334	0.68689634	0.99999994
Ubfd1	0.40001721	0.2449216	0.2698925	-0.0249709	0.73100558	0.99999994
Ctsd	0.6635454	0.34723256	0.37226106	-0.0250285	0.67275439	0.99999994
Naa38	0.6872291	0.35376468	0.37889611	-0.0251314	0.67057557	0.99999994
Phf5a	0.6060339	0.32851315	0.35369403	-0.0251809	0.68221173	0.99999994
Papss1	0.43724815	0.26198582	0.28719601	-0.0252102	0.72049007	0.99999994
Sod1	0.36148048	0.22562714	0.25084573	-0.0252186	0.7483135	0.99999994
Plpp5	0.24279611	0.15889242	0.18411676	-0.0252243	0.81909815	0.99999994
Copg1	0.55067737	0.30861196	0.33387983	-0.0252679	0.69278152	0.99999994
Atp6v0d1	0.86804307	0.38885066	0.41413401	-0.0252834	0.65776766	0.99999994
Rer1	0.63649022	0.33849874	0.36380947	-0.0253107	0.6783508	0.99999994
Ubxn6	0.48015775	0.28051677	0.30587944	-0.0253627	0.70950069	0.99999994
Pdia5	0.25457146	0.16594573	0.19132579	-0.0253801	0.81137918	0.99999994
Polr2c	0.87528046	0.3895195	0.41509476	-0.0255753	0.65914049	0.99999994
Nabp2	0.45498899	0.26948382	0.29507943	-0.0255956	0.71815931	0.99999994
Ube2e1	0.71796196	0.3608488	0.38649173	-0.0256429	0.67062355	0.99999994
Map2k2	0.99543259	0.40042231	0.42612331	-0.025701	0.65596237	0.99999994
Saraf	1.04137294	0.40269703	0.42839949	-0.0257025	0.6551853	0.99999994
Sec22b	0.59382453	0.32375753	0.34948074	-0.0257232	0.68791012	0.99999994
Tmem219	0.20509257	0.1343604	0.16008674	-0.0257263	0.85762128	0.99999994
Tmed2	1.57655225	0.37522044	0.40097135	-0.0257509	0.66548519	0.99999994
Sod2	0.90128281	0.3924115	0.41818244	-0.0257709	0.6591723	0.99999994
Gmppa	0.34911905	0.21870014	0.24447901	-0.0257789	0.75862109	0.99999994
Ndufa6	1.64530549	0.36848207	0.39426178	-0.0257797	0.66830633	0.99999994
Trmt112	0.80539284	0.37868695	0.40447105	-0.0257841	0.66433651	0.99999994
Rps28	2.3170336	0.34453969	0.37037812	-0.0258384	0.67880609	0.99999994
Tmed4	1.02061895	0.40150836	0.42744661	-0.0259382	0.65686426	0.99999994
Zfp106	0.35217735	0.22007117	0.24606589	-0.0259947	0.75903021	0.99999994

Mrpl54	1.02054563	0.40142352	0.42744319	-0.0260197	0.65733154	0.99999994
Arfgap3	0.29263029	0.18767423	0.21370555	-0.0260313	0.79126152	0.99999994
Denr	0.74208136	0.36582457	0.39186572	-0.0260411	0.67087964	0.99999994
Phactr1	0.1637803	0.10591752	0.13201092	-0.0260934	0.90586294	0.99999994
Aco2	0.84111563	0.38413434	0.41023195	-0.0260976	0.66401859	0.99999994
Rab3d	0.46502484	0.27329795	0.29943896	-0.026141	0.7194134	0.99999994
Wfs1	0.19248661	0.12554175	0.15171882	-0.0261771	0.87461192	0.99999994
Aldh9a1	0.20814423	0.13573541	0.16208696	-0.0263515	0.8604111	0.99999994
Nol7	0.7179633	0.36007742	0.38649204	-0.0264146	0.6754187	0.99999994
Atp6v1e1	1.250245	0.40087998	0.42732097	-0.026441	0.65978265	0.99999994
Prkacb	0.23517075	0.15290446	0.17937476	-0.0264703	0.83701839	0.99999994
Bclaf1	0.69269289	0.35380952	0.3803071	-0.0264976	0.67859593	0.99999994
Edem1	0.14470448	0.09189727	0.11839634	-0.0264991	0.93186206	0.99999994
Vbp1	0.74726715	0.36646925	0.39300332	-0.0265341	0.67343266	0.99999994
Eif3d	0.67719711	0.34966068	0.37621712	-0.0265564	0.68077229	0.99999994
Derl1	0.36369584	0.22539481	0.25197304	-0.0265782	0.75869643	0.99999994
Sesn3	0.28912356	0.18511108	0.21170076	-0.0265897	0.79843397	0.99999994
Ilk	0.39035711	0.23863874	0.2652296	-0.0265909	0.74772244	0.99999994
H13	0.76701317	0.37051773	0.39715647	-0.0266387	0.67236982	0.99999994
Eif4a3	0.68720783	0.35218999	0.37889049	-0.0267005	0.68049203	0.99999994
Ppig	0.79999672	0.37678016	0.40350412	-0.026724	0.6703387	0.99999994
Psmid6	0.9696757	0.39756361	0.42437702	-0.0268134	0.66296494	0.99999994
Vapb	0.65546597	0.34294591	0.3698006	-0.0268547	0.68558727	0.99999994
Mia3	0.3488944	0.21746162	0.24436214	-0.0269005	0.76814846	0.99999994
Uso1	0.38925554	0.23778351	0.26469305	-0.0269095	0.7507039	0.99999994
Lamtor2	0.98811815	0.39875049	0.42566136	-0.0269109	0.66305812	0.99999994
Mvb12a	0.3265896	0.20561375	0.23254242	-0.0269287	0.77959132	0.99999994
Copa	0.35182611	0.21893925	0.24588403	-0.0269448	0.76712934	0.99999994
Smim10l1	0.45045713	0.26610975	0.29308702	-0.0269773	0.72995808	0.99999994
Srprb	0.39682117	0.24126837	0.26835781	-0.0270894	0.74918509	0.99999994

Ndufs7	0.99842335	0.39917954	0.42630525	-0.0271257	0.66405024	0.99999994
Tbrg1	0.86306064	0.3863315	0.41345953	-0.027128	0.66884961	0.99999994
Nudc	0.84943356	0.38434218	0.41149017	-0.027148	0.66972432	0.99999994
Suclg1	0.91586535	0.39249654	0.41973092	-0.0272344	0.66709298	0.99999994
Ndufv1	0.59789488	0.32364371	0.35089487	-0.0272512	0.69740286	0.99999994
Upf3b	0.44459908	0.2631942	0.29048973	-0.0272955	0.73416443	0.99999994
Chchd7	0.47184359	0.27504687	0.3023608	-0.0273139	0.72618185	0.99999994
Nckap1	0.25302079	0.16301122	0.19038449	-0.0273733	0.83072737	0.99999994
Sec23b	0.38548705	0.23546525	0.2628504	-0.0273852	0.75600044	0.99999994
Sdhd	0.83068063	0.3812057	0.40859834	-0.0273926	0.67229006	0.99999994
Emc7	0.80188445	0.37643753	0.40384393	-0.0274064	0.67426681	0.99999994
Sec31a	0.30835033	0.19509298	0.2225542	-0.0274612	0.79427245	0.99999994
Sec24d	0.14360763	0.0899814	0.11760049	-0.0276191	0.94100666	0.99999994
Atp5l	2.89695603	0.32132005	0.34895556	-0.0276355	0.70095523	0.99999994
Tm9sf2	0.40943474	0.24673165	0.274369	-0.0276374	0.7487301	0.99999994
Bcap31	0.71503403	0.35814339	0.38580221	-0.0276588	0.68339219	0.99999994
Ywhaz	0.67533105	0.34803548	0.37571277	-0.0276773	0.68805607	0.99999994
Ptges3	0.88438586	0.38852127	0.41622973	-0.0277085	0.67115855	0.99999994
Grpel1	0.74720929	0.36516201	0.3929907	-0.0278287	0.681306	0.99999994
Rnf10	0.51357269	0.29166948	0.31954997	-0.0278805	0.71929959	0.99999994
Unc50	0.53135844	0.29849888	0.32652758	-0.0280287	0.71612658	0.99999994
Ddx50	0.3558081	0.21988667	0.24793983	-0.0280532	0.77431528	0.99999994
D8Erttd738e	1.27315132	0.39825213	0.42632173	-0.0280696	0.66940239	0.99999994
Arl3	0.74388672	0.36406755	0.3922633	-0.0281957	0.6838374	0.99999994
Clpp	0.55353635	0.30656771	0.33494805	-0.0283803	0.71362193	0.99999994
Higd2a	0.94371533	0.39398856	0.42237671	-0.0283882	0.67269862	0.99999994
Ciapi1	0.8376951	0.38119791	0.40970185	-0.0285039	0.67835321	0.99999994
Acaa1a	0.51352898	0.29097716	0.31953256	-0.0285554	0.72402919	0.99999994
Mrpl52	0.83635676	0.38087604	0.40949301	-0.028617	0.67909596	0.99999994
Mrps16	0.61175721	0.32702219	0.35563924	-0.028617	0.70388728	0.99999994

Creb3l2	0.17824927	0.11341366	0.14205934	-0.0286457	0.9102388	0.99999994
Polr2e	0.65985119	0.3424271	0.37114424	-0.0287171	0.69673503	0.99999994
Uggt1	0.2828954	0.17934585	0.20811219	-0.0287663	0.82123356	0.99999994
Ssbp1	0.73239671	0.36090775	0.38971968	-0.0288119	0.688677	0.99999994
Sap18	0.63290104	0.33371086	0.36264751	-0.0289366	0.70233535	0.99999994
Arcn1	0.33357526	0.20733799	0.23629031	-0.0289523	0.79263386	0.99999994
Pin1	1.03929564	0.39932352	0.42832178	-0.0289983	0.67387872	0.99999994
Gps1	0.59003755	0.31909491	0.34815535	-0.0290604	0.71075942	0.99999994
Wdr83os	0.43606957	0.25755911	0.28666404	-0.0291049	0.75042202	0.99999994
Ndufs8	0.91231993	0.39019066	0.41936581	-0.0291752	0.67834678	0.99999994
Pebp1	1.9561714	0.342229	0.3714464	-0.0292174	0.69971428	0.99999994
Actr10	0.68481275	0.34901713	0.37825581	-0.0292387	0.69655845	0.99999994
Mrps36	0.68041496	0.34782414	0.37708236	-0.0292582	0.6972383	0.99999994
Ndufa11	1.6298398	0.36642895	0.39573076	-0.0293018	0.68894731	0.99999994
Dph3	0.50349707	0.28618201	0.31550633	-0.0293243	0.73193194	0.99999994
Smim7	0.65556523	0.34042183	0.36983137	-0.0294095	0.70170946	0.99999994
Lamtor5	0.74995627	0.36405178	0.3935879	-0.0295361	0.69129163	0.99999994
Lman2	0.76063472	0.36621344	0.39583954	-0.0296261	0.69082372	0.99999994
Yipf5	0.43166535	0.25501699	0.28466728	-0.0296503	0.7559428	0.99999994
Ndufa3	0.98819399	0.3960068	0.42566639	-0.0296596	0.67860517	0.99999994
Epn1	0.45872311	0.26703007	0.29670964	-0.0296796	0.7472398	0.99999994
Csnk2b	0.72516339	0.35839332	0.38812063	-0.0297273	0.69491478	0.99999994
Rab11a	1.11447803	0.40005838	0.42989578	-0.0298374	0.67795651	0.99999994
Cops4	0.69088754	0.34998315	0.37984399	-0.0298608	0.69960999	0.99999994
Prdx2	2.33383321	0.34060685	0.37049416	-0.0298873	0.70435247	0.99999994
Srpr	0.69399529	0.35064376	0.38064011	-0.0299963	0.70005348	0.99999994
Golga4	0.4441736	0.26026914	0.29030015	-0.030031	0.75445863	0.99999994
Adipor1	0.60568697	0.32347079	0.35357546	-0.0301047	0.7145566	0.99999994
Copb1	0.64402891	0.33604055	0.36622105	-0.0301805	0.70834445	0.99999994
Slc38a10	0.24878413	0.15759041	0.1877998	-0.0302094	0.85785649	0.99999994

Erlec1	0.41333727	0.24598159	0.27620368	-0.0302221	0.76679599	0.99999994
Pdcd6	0.76034758	0.36555473	0.39577978	-0.030225	0.6943908	0.99999994
Stx5a	0.45962902	0.26686759	0.29710368	-0.0302361	0.75092838	0.99999994
Uba1	0.51892165	0.29139915	0.32166992	-0.0302708	0.73447271	0.99999994
Hagh	0.75618145	0.36463243	0.39490815	-0.0302757	0.69508324	0.99999994
Psme2	1.02538432	0.39725058	0.42768648	-0.0304359	0.68214069	0.99999994
Ndufa5	1.07997532	0.39895939	0.429462	-0.0305026	0.68181096	0.99999994
0610009B22	0.6756402	0.34512034	0.37579645	-0.0306761	0.70655761	0.99999994
Jtb	0.62124973	0.32810608	0.3588201	-0.030714	0.7155818	0.99999994
Cdc37	0.9709165	0.39369932	0.42446739	-0.0307681	0.68527275	0.99999994
Tmem208	0.7229497	0.35678996	0.38762573	-0.0308358	0.70177617	0.99999994
Sdhc	0.56867848	0.30967046	0.34052379	-0.0308533	0.72677978	0.99999994
Trappc1	0.767756	0.36643978	0.39730543	-0.0308656	0.69746224	0.99999994
Arhgdia	0.82259676	0.3764675	0.40735635	-0.0308889	0.69312772	0.99999994
Dpp3	0.4355803	0.25552318	0.2864429	-0.0309197	0.76377924	0.99999994
Os9	0.56445535	0.30804833	0.33898302	-0.0309347	0.72822105	0.99999994
Yif1b	0.35512001	0.21664434	0.24758552	-0.0309412	0.79725501	0.99999994
Sys1	0.65835144	0.33974654	0.3706888	-0.0309423	0.71076527	0.99999994
Psenen	1.2931178	0.39438604	0.42533834	-0.0309523	0.68594542	0.99999994
Tpt1	2.83196368	0.32311743	0.35411114	-0.0309937	0.71991876	0.99999994
Akr1a1	1.51549986	0.3763681	0.40740164	-0.0310335	0.69393784	0.99999994
Pdcd5	1.00822557	0.39576691	0.42685851	-0.0310916	0.68610401	0.99999994
Sar1a	0.61572321	0.32583474	0.35697417	-0.0311394	0.71926006	0.99999994
Prpf19	0.64429115	0.33507247	0.3663039	-0.0312314	0.7148221	0.99999994
Tmem50a	0.99655259	0.39489849	0.42619181	-0.0312933	0.68748924	0.99999994
Cyc1	0.9598283	0.39232566	0.42363962	-0.031314	0.68864548	0.99999994
Ociad1	0.76400323	0.36522148	0.39653752	-0.031316	0.70044378	0.99999994
Eid1	0.65906167	0.33956836	0.37090463	-0.0313363	0.71306784	0.99999994
Ndufb10	1.21087587	0.3973458	0.42871409	-0.0313683	0.68688309	0.99999994
Eif3g	1.01158014	0.39560881	0.42702284	-0.031414	0.68781857	0.99999994

Bcas2	0.818522	0.37527352	0.40671882	-0.0314453	0.69659549	0.99999994
Psmb2	1.58400588	0.36868961	0.40018804	-0.0314984	0.69983143	0.99999994
Polr2f	0.86852194	0.38265339	0.41419827	-0.0315449	0.69390183	0.99999994
Txnl1	0.90178592	0.38664425	0.41823774	-0.0315935	0.69245395	0.99999994
Cd63	2.39501286	0.33886171	0.37046082	-0.0315991	0.71490301	0.99999994
Cisd1	0.88774166	0.38496756	0.41663312	-0.0316656	0.69353876	0.99999994
Kif5b	1.29374938	0.39350912	0.42530573	-0.0317966	0.69063148	0.99999994
Churc1	0.60846159	0.32267409	0.35452187	-0.0318478	0.72506698	0.99999994
Mrps14	0.92525884	0.38869805	0.42067395	-0.0319759	0.69355667	0.99999994
Eif2s2	1.29625782	0.39315796	0.42517607	-0.0320181	0.69190613	0.99999994
Cmpk1	0.70842777	0.35221149	0.38422976	-0.0320183	0.71044367	0.99999994
Ndufb11	1.82740793	0.34647084	0.37850337	-0.0320325	0.71339286	0.99999994
Mff	0.67797459	0.34436198	0.37642669	-0.0320647	0.71464314	0.99999994
Cct5	1.61482309	0.36495628	0.39721098	-0.0322547	0.70557933	0.99999994
Mrpl17	0.75293581	0.36194813	0.39422311	-0.032275	0.70710772	0.99999994
Srp68	0.50213118	0.28266138	0.31495315	-0.0322918	0.75252859	0.99999994
Hnrnpa3	1.41574827	0.38478442	0.4170929	-0.0323085	0.69693618	0.99999994
Mdh1	1.43206095	0.38313569	0.41569284	-0.0325572	0.69893063	0.99999994
4833439L19F	0.63525088	0.33076102	0.36340902	-0.032648	0.72507837	0.99999994
Ppp2r1a	0.83955042	0.37722734	0.40999003	-0.0327627	0.70260787	0.99999994
Aimp1	0.66288201	0.33929032	0.37206103	-0.0327707	0.72115775	0.99999994
Pigp	0.723982	0.35499406	0.38785684	-0.0328628	0.71361867	0.99999994
Arf4	0.95301898	0.39006394	0.42311558	-0.0330516	0.69845459	0.99999994
Eif4g2	1.25626224	0.39394564	0.42707091	-0.0331253	0.69717502	0.99999994
Tm2d2	0.75666672	0.36187457	0.39501012	-0.0331356	0.71170439	0.99999994
Rnh1	0.71644567	0.35294529	0.38613521	-0.0331899	0.71638694	0.99999994
Commd6	0.62036391	0.32529666	0.35852534	-0.0332287	0.73135679	0.99999994
Timm17a	0.96498591	0.39060845	0.42403032	-0.0334219	0.70008708	0.99999994
Mrpl51	0.65747152	0.33695766	0.37042105	-0.0334634	0.72618902	0.99999994
Ube2l3	1.0885653	0.39604387	0.42957002	-0.0335261	0.69829428	0.99999994

Ndufb7	1.4749863	0.37802583	0.41157412	-0.0335483	0.70628846	0.99999994
Sdf4	0.86941264	0.3806903	0.41431754	-0.0336272	0.70548759	0.99999994
Cfdp1	0.71751541	0.35261675	0.38638686	-0.0337701	0.71963712	0.99999994
Tfg	0.82432375	0.37376234	0.40762422	-0.0338619	0.70985204	0.99999994
Mettl9	0.64148415	0.33154847	0.36541486	-0.0338664	0.7313518	0.99999994
Mrps34	0.68396004	0.34415831	0.3780291	-0.0338708	0.72454558	0.99999994
Tbcb	1.07280985	0.39544813	0.4293676	-0.0339195	0.70050149	0.99999994
Bud31	0.9467575	0.38859389	0.42262196	-0.0340281	0.70400244	0.99999994
Copz1	0.83659129	0.37500152	0.40952966	-0.0345281	0.71267239	0.99999994
Rraga	0.78639374	0.36631992	0.40095343	-0.0346335	0.71734154	0.99999994
Cdc42	1.55255108	0.36859817	0.4035538	-0.0349556	0.71788516	0.99999994
Tmem147	0.84573623	0.37596819	0.41093978	-0.0349716	0.7144615	0.99999994
Rbac1	0.87837323	0.38047159	0.41549507	-0.0350235	0.71263082	0.99999994
Itpa	0.53317321	0.29213537	0.32722838	-0.035093	0.76233972	0.99999994
Pam16	0.7023294	0.34735194	0.38274951	-0.0353976	0.73091929	0.99999994
Dctn2	0.85376768	0.37670191	0.41212635	-0.0354244	0.71638957	0.99999994
Fam104a	0.96259116	0.38841062	0.42385014	-0.0354395	0.71108605	0.99999994
Rbx1	1.86475062	0.34056167	0.37624429	-0.0356826	0.73607194	0.99999994
Rps25	2.43914536	0.33446833	0.37031299	-0.0358447	0.7403115	0.99999994
Scp2	0.97336206	0.38874364	0.42464386	-0.0359002	0.71319456	0.99999994
Itm2b	1.98628509	0.3347499	0.37070794	-0.035958	0.7407487	0.99999994
Tma7	2.01469085	0.33439269	0.37039935	-0.0360067	0.74120573	0.99999994
Anapc5	0.81517592	0.37012929	0.40618949	-0.0360602	0.72271637	0.99999994
Med29	0.57617029	0.30715162	0.34323157	-0.03608	0.75794443	0.99999994
Pfdn6	0.64628926	0.33082941	0.36693393	-0.0361045	0.74375115	0.99999994
Ndufs6	1.19373099	0.39288484	0.42914998	-0.0362651	0.71310981	0.99999994
Naca	2.47315473	0.3334686	0.36987203	-0.0364034	0.74380798	0.99999994
Cwc15	0.71301686	0.34845819	0.38532454	-0.0368663	0.73789011	0.99999994
Rpl18	2.83662644	0.31689896	0.35380055	-0.0369016	0.75624094	0.99999994
Erh	2.01692251	0.33332241	0.37033503	-0.0370126	0.74705803	0.99999994

Tmed9	1.11760115	0.39288572	0.42991734	-0.0370316	0.71679821	0.99999994
Snrpc	0.84506368	0.37353744	0.41083734	-0.0372999	0.727188	0.99999994
Atp6ap2	0.57009637	0.30369589	0.34103875	-0.0373429	0.76695451	0.99999994
Timm8b	1.17849494	0.39202988	0.42946405	-0.0374342	0.71911025	0.99999994
Pomp	1.3860672	0.38192942	0.41948508	-0.0375557	0.72438911	0.99999994
Sra1	0.79049078	0.36411135	0.40173186	-0.0376205	0.73346947	0.99999994
Polr2j	0.80915536	0.36749081	0.4051372	-0.0376464	0.73188565	0.99999994
Eprs	0.52390222	0.28597444	0.32362685	-0.0376524	0.78066318	0.99999994
Tcf25	0.81171776	0.36793122	0.40558711	-0.0376559	0.7317109	0.99999994
Taldo1	1.27005108	0.38874243	0.42646472	-0.0377223	0.72199493	0.99999994
G3bp1	1.02671768	0.38997819	0.42775224	-0.0377741	0.72167053	0.99999994
Imp3	0.61631179	0.31936962	0.35717156	-0.0378019	0.75943564	0.99999994
Eif4h	0.81332716	0.36796804	0.40586814	-0.0379001	0.7328886	0.99999994
Rpl27a	2.76122333	0.32038254	0.35865474	-0.0382722	0.7612418	0.99999994
Ndufb6	0.98373554	0.38706952	0.42536733	-0.0382978	0.72551459	0.99999994
Park7	1.39339979	0.38043482	0.41892664	-0.0384918	0.72959863	0.99999994
Preli1	0.71665907	0.34750237	0.38618546	-0.0386831	0.74753354	0.99999994
Aamp	0.96746631	0.38535498	0.42421469	-0.0388597	0.7289857	0.99999994
Vcp	1.28110392	0.38693123	0.4259439	-0.0390127	0.72895749	0.99999994
Mrpl28	0.7143134	0.34661293	0.38563181	-0.0390189	0.74968585	0.99999994
Mrps24	0.64202898	0.32652587	0.36558805	-0.0390622	0.76152464	0.99999994
Mydgf	0.90281415	0.37918384	0.41835043	-0.0391666	0.73341623	0.99999994
Mrpl20	0.92546475	0.38148223	0.42069388	-0.0392116	0.73250924	0.99999994
Psm8	1.07908472	0.39006421	0.42945111	-0.0393869	0.7292296	0.99999994
Sf3b5	0.6244832	0.32036352	0.35989248	-0.039529	0.76764222	0.99999994
Ppp1ca	1.77241275	0.34275962	0.38244495	-0.0396853	0.75512709	0.99999994
Psm13	0.82217763	0.36735178	0.40729113	-0.0399394	0.74303442	0.99999994
Psma5	1.15680984	0.38931981	0.4297145	-0.0403947	0.73425113	0.99999994
Txn1	1.36150515	0.38067074	0.42127781	-0.0406071	0.73943614	0.99999994
Copb2	0.62434196	0.31919637	0.35984575	-0.0406494	0.77395174	0.99999994

Cox5a	1.3774341	0.37942875	0.42012922	-0.0407005	0.74048516	0.99999994
Rpl27	1.78690475	0.34067589	0.38143476	-0.0407589	0.76154357	0.99999994
Pfdn1	1.02060303	0.38657252	0.4274458	-0.0408733	0.73777314	0.99999994
Ywhaq	1.89162509	0.33340103	0.37477975	-0.0413787	0.76880462	0.99999994
Idh3g	0.78363852	0.35903708	0.40042543	-0.0413883	0.75427594	0.99999994
Hsbp1	1.52864973	0.36429388	0.40605791	-0.041764	0.75320887	0.99999994
Rhoa	1.14425122	0.38806753	0.42985597	-0.0417884	0.74121561	0.99999994
Srp72	0.67861862	0.33478067	0.37660004	-0.0418194	0.77009268	0.99999994
Psmb6	1.78802552	0.33948972	0.38135601	-0.0418663	0.76753495	0.99999994
Pfdn2	1.33311069	0.38123011	0.42311089	-0.0418808	0.74500914	0.99999994
Uqcrb	2.27428903	0.32816083	0.37007356	-0.0419127	0.77453534	0.99999994
Uqcrc1	1.25154754	0.3852492	0.42726749	-0.0420183	0.74363694	0.99999994
Arpp19	1.0464407	0.38656042	0.42858322	-0.0420228	0.74301201	0.99999994
Arl1	0.88683653	0.37448529	0.41652479	-0.0420395	0.74915106	0.99999994
Rtn3	0.85866675	0.37064252	0.41283557	-0.042193	0.75184273	0.99999994
Uqcrrs1	1.26396156	0.38447289	0.42673992	-0.042267	0.74514456	0.99999994
Ndufc2	1.36592482	0.37866577	0.42096329	-0.0422975	0.74819389	0.99999994
Gdi2	1.00168505	0.38406749	0.42650011	-0.0424326	0.74609225	0.99999994
Tmbim6	1.40214207	0.37571669	0.41821895	-0.0425023	0.75062712	0.99999994
Uqcr10	1.77611508	0.3395415	0.38218831	-0.0426468	0.77111851	0.99999994
Ergic3	0.99015222	0.3831377	0.42579441	-0.0426567	0.74756399	0.99999994
Rps15	2.64663324	0.32179719	0.3645232	-0.042726	0.78236229	0.99999994
Kdelr1	0.86277126	0.37064066	0.41342002	-0.0427794	0.75451862	0.99999994
Ubxn4	1.09398305	0.38685874	0.42966149	-0.0428027	0.74636813	0.99999994
Atp5g3	1.21356562	0.38536896	0.42862782	-0.0432589	0.74914024	0.99999994
Ufc1	0.83627504	0.3662174	0.40948023	-0.0432628	0.75905453	0.99999994
Prkar1a	1.45151358	0.37058715	0.41390686	-0.0433197	0.75699158	0.99999994
Rap1a	0.80941653	0.3617787	0.4051832	-0.0434045	0.76209256	0.99999994
Psm1	1.25215948	0.38356257	0.42724224	-0.0436797	0.75191284	0.99999994
Tspan3	1.27486668	0.38245182	0.42624177	-0.0437899	0.75296219	0.99999994

Eif3i	0.94712405	0.37864517	0.42265127	-0.0440061	0.75586231	0.99999994
Atraid	0.84074245	0.36609551	0.41017437	-0.0440789	0.76279339	0.99999994
Psm2	1.62351767	0.35220502	0.39636851	-0.0441635	0.77085129	0.99999994
Tmco1	0.72600639	0.34411984	0.38830841	-0.0441886	0.77561809	0.99999994
Fkbp8	0.90905418	0.37482912	0.419025	-0.0441959	0.75868133	0.99999994
Ran	1.5424443	0.35976683	0.40462309	-0.0448563	0.76971836	0.99999994
Pgls	1.06242728	0.38412174	0.42909988	-0.0449781	0.75732315	0.99999994
Mrpl30	0.81923322	0.36158041	0.40683066	-0.0452502	0.77045973	0.99999994
Ubl5	1.70817585	0.34252301	0.38828448	-0.0457615	0.78362324	0.99999994
Polr1d	1.00879473	0.38088293	0.42688666	-0.0460037	0.76341383	0.99999994
Fis1	1.11610644	0.38361883	0.4299074	-0.0462886	0.76321944	0.99999994
Sec11a	1.35775821	0.37469479	0.42153183	-0.046837	0.77022799	0.99999994
Ndufs3	0.99042972	0.37896704	0.42581194	-0.0468449	0.76800319	0.99999994
Arc3	1.11627976	0.38287578	0.4299086	-0.0470328	0.76676001	0.99999994
Ost4	0.85102234	0.36466666	0.41172434	-0.0470577	0.77660657	0.99999994
Gabarapl2	1.58124955	0.35335269	0.40046063	-0.0471079	0.78319128	0.99999994
Fau	2.81172544	0.30822333	0.35542783	-0.0472045	0.81166091	0.99999994
Psm6	1.16019619	0.38244378	0.42968811	-0.0472443	0.76787558	0.99999994
Sdf2	0.69468784	0.33343714	0.38081681	-0.0473797	0.79620917	0.99999994
Slc25a4	1.74466863	0.33754617	0.38495571	-0.0474095	0.79382618	0.99999994
Slc25a3	1.58490731	0.35247124	0.40009874	-0.0476275	0.78592709	0.99999994
Emc10	0.86890509	0.36650933	0.41424962	-0.0477403	0.77849299	0.99999994
Uqcrc2	0.93938715	0.3742254	0.42200274	-0.0477773	0.77445656	0.99999994
Psm4	1.30583436	0.37676301	0.42467224	-0.0479092	0.77365392	0.99999994
Esd	1.1718745	0.38160061	0.42957461	-0.047974	0.77137063	0.99999994
Atp5e	2.02182431	0.32219535	0.37018031	-0.047985	0.80588632	0.99999994
Psm7	1.25986616	0.37880777	0.42691751	-0.0481097	0.77340616	0.99999994
Rpl37a	3.44112782	0.21175484	0.26012646	-0.0483716	0.89210084	0.99999994
Gnb2	2.02093727	0.32138225	0.37021858	-0.0488363	0.81004293	0.99999994
Cox6a1	2.01705509	0.3214667	0.3703312	-0.0488645	0.81010784	0.99999994

Myl6	1.89140548	0.32582979	0.37479137	-0.0489616	0.80773116	0.99999994
Capzb	1.16810467	0.3798253	0.42961503	-0.0497897	0.77977419	0.99999994
Pgam1	1.11510617	0.37998217	0.42990036	-0.0499182	0.7802115	0.99999994
Ndufa7	1.50417531	0.35844377	0.40862148	-0.0501777	0.79314558	0.99999994
Ndufa8	1.02498521	0.377311	0.42766668	-0.0503557	0.78340776	0.99999994
Ndufab1	1.45273871	0.3632936	0.41378575	-0.0504922	0.79167337	0.99999994
Sf3b6	1.27144958	0.37568236	0.42640046	-0.0507181	0.78574351	0.99999994
Vdac2	1.24671911	0.37660059	0.42746395	-0.0508634	0.7858287	0.99999994
Eif3k	1.3554412	0.37065752	0.4216862	-0.0510287	0.78973228	0.99999994
Cd164	1.07196703	0.37814213	0.42935547	-0.0512133	0.78639284	0.99999994
Ndufb3	0.96635699	0.37287956	0.42413252	-0.051253	0.78940736	0.99999994
Tbca	1.62042657	0.34507453	0.39667912	-0.0516046	0.80673729	0.99999994
Chmp5	1.2201062	0.37649571	0.42841116	-0.0519155	0.79005919	0.99999994
Scand1	1.21433875	0.37573907	0.42860272	-0.0528637	0.79417457	0.99999994
Psap	0.95279828	0.36898088	0.42309843	-0.0541176	0.80272628	0.99999994
Psma3	1.64036415	0.34038912	0.39470822	-0.0543191	0.82017629	0.99999994
Timm13	1.39607178	0.36416021	0.41871154	-0.0545513	0.80708807	0.99999994
Mlf2	1.07401389	0.3739808	0.42938455	-0.0554038	0.80479499	0.99999994
Txndc17	0.84974923	0.35571556	0.41153679	-0.0558212	0.81670374	0.99999994
Rplp1	2.50924739	0.31346678	0.36956034	-0.0560936	0.84383198	0.99999994
Brk1	1.03353796	0.37141321	0.42807944	-0.0566662	0.81087441	0.99999994
Rps27	2.77443068	0.30037979	0.3577731	-0.0573933	0.85719484	0.99999994
Arpc1a	1.14797211	0.37124464	0.42981837	-0.0585737	0.81782271	0.99999994
Rbm39	2.04740846	0.31052049	0.36923179	-0.0587113	0.8550687	0.99999994
Sar1b	0.81785034	0.34778162	0.40661299	-0.0588314	0.83224745	0.99999994
Ndufv2	1.11180628	0.37009555	0.4298751	-0.0597796	0.8226862	0.99999994
Ftl1	3.57287497	0.19688427	0.25697832	-0.0600941	0.94021498	0.99999994
Rps16	2.95638301	0.28241666	0.34254644	-0.0601298	0.87868557	0.99999994
Rpl11	2.90590363	0.2873535	0.34814065	-0.0607872	0.87742988	0.99999994
Srp14	1.69501126	0.32860638	0.3894616	-0.0608552	0.85085036	0.99999994

Laptm4a	1.44347962	0.35380227	0.41465994	-0.0608577	0.83569612	0.99999994
Atp6v1g1	1.92482039	0.31128279	0.37264293	-0.0613601	0.86347141	0.99999994
Snrpd2	1.49104117	0.34830124	0.40997046	-0.0616692	0.84165261	0.99999994
Gng5	1.79438415	0.31917525	0.38085511	-0.0616799	0.85948395	0.99999994
Cox7b	1.43695874	0.35289562	0.41525191	-0.0623563	0.84123627	0.99999994
Rab2a	1.35075626	0.35945991	0.4219956	-0.0625357	0.83803358	0.99999994
Ap2s1	1.01147621	0.36447101	0.42701781	-0.0625468	0.83521492	0.99999994
Rab1a	1.12980115	0.36656031	0.429936	-0.0633757	0.83675183	0.99999994
Ndufb5	1.44924031	0.34954791	0.41413109	-0.0645832	0.85037661	0.99999994
Swi5	1.82021845	0.31391278	0.37895008	-0.0650373	0.87335556	0.99999994
Tomm20	1.48617258	0.3453294	0.4104582	-0.0651288	0.85455859	0.99999994
Rpl10	3.04884001	0.26123341	0.32742457	-0.0661912	0.91078894	0.99999994
Atp5a1	1.7587424	0.31564583	0.38362419	-0.0679784	0.88090229	0.99999994
Atp5c1	1.62411491	0.32740124	0.3963084	-0.0689072	0.87643697	0.99999994
Ndufs5	1.53108191	0.33663719	0.4058078	-0.0691706	0.87172585	0.99999994
Edf1	1.64030528	0.32550679	0.39471353	-0.0692067	0.87841227	0.99999994
Psm7	1.97285154	0.30155776	0.37085526	-0.0692975	0.89321301	0.99999994
Spint2	2.08752551	0.29900639	0.36850245	-0.0694961	0.89531975	0.99999994
Atp5o	1.71797897	0.31784481	0.38741869	-0.0695739	0.88402873	0.99999994
Rps6	3.01902715	0.26363939	0.33321356	-0.0695742	0.91770991	0.99999994
Rpl19	2.8750881	0.28083677	0.35071691	-0.0698801	0.90762577	0.99999994
Rps18	2.93826868	0.27295236	0.34450399	-0.0715516	0.91658932	0.99999994
Psm5	1.47544429	0.33993079	0.41152863	-0.0715978	0.87658322	0.99999994
Mdh2	1.61874816	0.32325853	0.39684743	-0.0735889	0.89145691	0.99999994
Cfl1	2.28977847	0.29647565	0.37022024	-0.0737446	0.90756152	0.99999994
Ndufb9	1.51579629	0.33279903	0.40736953	-0.0745705	0.88847746	0.99999994
Uqcrh	1.84613617	0.30221021	0.3769849	-0.0747747	0.90662988	0.99999994
Ndufa2	1.61657253	0.32181282	0.39704911	-0.0752363	0.89640037	0.99999994
Eif5a	1.96087419	0.29576316	0.37126186	-0.0754987	0.91207069	0.99999994
mt-Co1	3.75299143	0.16607187	0.24371648	-0.0776446	0.98302315	0.99999994

Atp6v1f	1.68316322	0.3118132	0.39063609	-0.0788229	0.91038434	0.99999994
Rpl35a	2.78645702	0.27429251	0.35695658	-0.0826641	0.93840008	0.99999994
Atp5d	1.57678929	0.31686175	0.40094563	-0.0840839	0.91863234	0.99999994
Atp5g2	1.84461463	0.2914092	0.37704434	-0.0856351	0.93470847	0.99999994
Ywhae	2.22975511	0.28290464	0.36946158	-0.0865569	0.94055413	0.99999994
Atp5j	1.94639394	0.28379074	0.37182574	-0.088035	0.94248558	0.99999994
Serf2	2.02771153	0.27899088	0.3699252	-0.0909343	0.94910671	0.99999994
Cox7a2	1.97579247	0.27850627	0.37082399	-0.0923177	0.95125237	0.99999994
Arf1	1.62300961	0.30355168	0.39641962	-0.0928679	0.9405448	0.99999994
Atp5h	1.97050179	0.27781323	0.37087986	-0.0930666	0.95257111	0.99999994
Gabarap	1.91225985	0.27986536	0.37349877	-0.0936334	0.9524116	0.99999994
Atp5j2	1.9278487	0.27511494	0.37253001	-0.0974151	0.95912405	0.99999994
Rps2	2.41617895	0.27280278	0.37046291	-0.0976601	0.96034688	0.99999994
Hint1	1.90349183	0.27611477	0.37414702	-0.0980323	0.95942637	0.99999994
mt-Nd1	2.9593508	0.2441154	0.34216874	-0.0980533	0.97177041	0.99999994
Pfdn5	1.90438392	0.27529738	0.37408126	-0.0987839	0.96060487	0.99999994
Cox5b	1.88192947	0.27601341	0.37529002	-0.0992766	0.96086613	0.99999994
Cox6c	2.00238297	0.27036529	0.37074884	-0.1003836	0.96424839	0.99999994
Eif1	3.00690747	0.23486366	0.33546149	-0.1005978	0.97703856	0.99999994
Rps27l	1.75944903	0.28128826	0.38356354	-0.1022753	0.96204149	0.99999994
Rpl22l1	2.13655889	0.26608842	0.36846354	-0.1023751	0.96780172	0.99999994
mt-Co2	3.20797544	0.19439573	0.299056	-0.1046603	0.99008417	0.99999994
Rplp2	2.826018	0.24464626	0.3545068	-0.1098605	0.98043344	0.99999994
Atp5b	2.39373698	0.25725843	0.37046	-0.1132016	0.97902346	0.99999994
Psmb1	2.12660155	0.25025141	0.36845344	-0.118202	0.98363578	0.99999994
Rpl36	2.68934773	0.24062198	0.36269406	-0.1220721	0.98746534	0.99999994
Rpl37	2.80243056	0.23365668	0.35601018	-0.1223535	0.98892121	0.99999994
Rpl31	2.56163765	0.24292598	0.36739606	-0.1244701	0.98793669	0.99999994
Atpif1	2.34535911	0.24512026	0.37066398	-0.1255437	0.98791781	0.99999994
Rpl34	2.80375141	0.2225426	0.3559275	-0.1333849	0.99369309	0.99999994

Ppia	3.02254733	0.1961096	0.33252564	-0.136416	0.99684018	0.99999994
Cox6b1	2.06844212	0.23205978	0.36890471	-0.1368449	0.99322868	0.99999994
Cox8a	2.23681894	0.22499904	0.3695647	-0.1445657	0.99539047	0.99999994
Fth1	2.43255285	0.22482375	0.37044053	-0.1456168	0.99555888	0.99999994
Bsg	2.29478746	0.22198785	0.37025209	-0.1482642	0.99615608	0.99999994
Rpl41	3.71694303	0.09742959	0.24645206	-0.1490225	0.9999715	0.99999994
Oaz1	2.55201582	0.21876523	0.367845	-0.1490798	0.99650878	0.99999994
Cox4i1	2.51009963	0.21889758	0.36953151	-0.1506339	0.9966698	0.99999994
Cox7c	2.35134145	0.21816485	0.37067021	-0.1525054	0.99691526	0.99999994
Chchd2	2.62986376	0.20552329	0.36520425	-0.159681	0.99819522	0.99999994
Mrfap1	2.50944644	0.20475892	0.36955361	-0.1647947	0.99850256	0.99999994
mt-Nd4	2.77105345	0.19055522	0.35800204	-0.1674468	0.99907512	0.99999994

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CPMs for all cellular genes.
of log-CPMs for all cellular genes.
biological component of the variance for all genes.
technical component of the variance for all genes.

