

## TG list for NARROMI

RNA-seq was performed by quadruplicate. As NARROMI required duplicate values per condition, averages from each two of the quadruplicates were used for the TG set.

Sample ID	Ctl1	Ctl2	12RA1	12RA2	24RA1	24RA2	36RA1	36RA2	48RA1	48RA2	60RA1	60RA2
Dbx1	0.125242	0.060324	0.023445	0.1	0.1	0.020577	0.043354	0.022414	10.65552	9.30744	20.46944	19.64139
Sftpc	41.34681	7.865645	0.029162	5.170108	3.802124	2.292986	4.378901	8.97703	0.075396	0.887734	0.1	0.028076
Foxb1	0.006708	0.021136	0.008571	0.0077	0.033786	0.051517	0.112409	0.20418	2.245609	1.905847	2.110749	2.387489
Ccl2	0.073306	0.078971	0.132243	0.057526	0.036758	0.021058	0.04199	0.085524	0.213928	0.050644	5.06255	4.826338
Actc1	0.301031	0.129076	0.137462	0.272785	0.205467	0.270335	0.7253	0.636349	2.173328	2.115489	55.31904	51.48332
Ascl1	0.040676	0.017071	0.189002	0.116441	0.364986	0.296252	0.765381	0.850068	8.2191	7.905828	21.645	20.33531
Igfbp5	0.718667	0.639873	0.282487	0.176773	0.576961	0.442947	1.51026	1.654316	24.81852	26.44575	24.67375	24.07505
EdnrB	0.162106	0.100982	0.164574	0.152924	0.4801	0.42666	1.770424	1.398141	16.04976	17.1195	20.43317	22.54291
Phox2b	0.067121	0.091092	0.015595	0.021619	0.060255	0.037335	0.221712	0.249376	2.933853	2.903862	2.336901	2.115423
Maf	0.047514	0.039811	0.03988	0.031589	0.082314	0.108062	0.232233	0.140012	3.924189	3.801457	3.114939	3.049156
Vit	0.01482	0.038419	0.00862	0.039353	0.066389	0.032789	0.105889	0.017231	1.042869	0.975114	1.778304	1.975181
Prdm8	0.038951	0.034096	0.118906	0.062528	0.13585	0.122782	0.572823	0.555974	7.524739	6.556677	5.438663	5.457116
Itgb8	0.115364	0.131266	0.079394	0.121747	0.167703	0.18406	0.337923	0.356955	4.992316	5.300084	9.686783	11.03209
Ccdc42	0.1	0.1	0.052362	0.062156	0.174359	0.082249	0.52958	0.541816	2.766538	2.036726	5.417237	5.42282
Fam181a	0.071314	0.089542	0.067594	0.13882	0.170772	0.094277	0.596619	0.56148	6.775994	4.865648	7.678256	7.826988
18100110J	0.211777	0.175217	0.081479	0.156792	0.234521	0.490634	1.086767	1.246327	6.527839	5.445023	9.756064	11.65035
Fezf2	0.069984	0.064539	0.062907	0.036486	0.061331	0.10543	0.416782	0.305124	0.811862	0.668496	2.642809	2.298171
Acta2	3.023409	2.3791	4.722426	4.711584	2.702127	2.966588	5.365958	5.315638	18.01959	16.37697	192.271	180.6245
Col12a1	0.06644	0.049632	0.075547	0.134055	0.12944	0.137593	0.252022	0.199504	1.68417	1.743357	7.228326	8.064523
Cd248	0.094261	0.057364	0.084093	0.034369	0.05496	0.087096	0.15009	0.091537	0.277892	0.264815	2.39455	1.908464
Kirrel2	4.011877	4.569632	1.768086	1.213918	0.402448	0.418644	0.14695	0.168198	0.015283	0.054366	0.06302	0.02187
Pyy	0.1	0.113637	0.046084	0.041399	0.290717	0.241044	0.908508	0.591116	3.65617	2.150177	2.714902	2.288162
Vgf	0.703941	0.621996	0.967944	0.852884	0.752913	0.665145	0.698599	0.628423	0.4928	0.295159	18.4787	15.74552
Nedd9	0.247543	0.22317	0.563337	0.704231	1.800919	1.536448	4.020809	3.77977	29.24162	26.86992	33.11327	37.30902
Thbs1	1.135079	1.275515	1.333605	1.461738	1.436561	1.490962	3.516495	2.997314	29.7635	27.64539	64.25166	76.24687
Ptn	2.424193	2.729839	0.993473	0.947377	2.791739	2.750562	6.306687	7.420816	51.42859	49.07814	39.5591	40.83568
Ankrd1	0.251386	0.190401	0.280164	0.176695	0.228136	0.226499	0.316478	0.424857	1.169735	0.894016	8.054149	9.079339
Nphs1	15.42895	17.50793	6.514561	5.775978	1.581854	1.436231	0.375927	0.488199	0.067553	0.197017	0.14249	0.114905
4930526LO	2.641868	2.936937	1.103255	1.103834	0.611293	0.412215	0.135092	0.321007	0.213564	0.223044	0.078791	0.022087
Hoxd4	0.015746	0.1	0.037467	0.050022	0.117749	0.111694	0.436937	0.164767	2.709517	2.497147	1.97791	2.254497
Tagln	5.171499	4.628546	8.431665	8.488157	6.796286	7.846075	14.0498	12.08615	33.07456	29.65451	377.9503	377.4998
Fam181b	0.131735	0.116346	0.105644	0.107291	0.241808	0.303175	0.459598	0.561588	4.979412	4.934143	3.819993	3.79669
Robo2	0.064745	0.080637	0.062967	0.048253	0.123998	0.103135	0.209618	0.213452	1.853429	1.795774	2.143687	2.203156
Tmem171	0.1	0.1	0.1	0.1	0.120838	0.150938	0.095506	0.242207	0.323779	0.047809	2.312546	2.176489
2810055G2	0.05305	0.012377	0.04111	0.052569	0.135238	0.1366	0.568361	0.616312	2.2934	2.391136	1.790234	2.322435
A830082K1	0.024166	0.010142	0.017864	0.035697	0.173551	0.123365	0.31996	0.269351	1.527878	1.421661	1.291037	1.621859
Hes3	0.518164	0.495091	0.175967	0.072158	0.055232	0.143717	0.257361	0.256244	3.076873	2.641163	4.371631	3.266633
Gcnt4	0.292962	0.260595	0.15066	0.173141	0.367523	0.23372	0.5358	0.533731	6.72957	6.590721	6.620616	7.837206
Hoxc8	0.018134	0.019052	0.144779	0.24693	1.331137	1.436746	3.750926	4.469556	12.09654	10.86555	10.15163	10.87219
Nppb	0.307905	0.271148	0.060042	0.112657	0.155268	0.16728	0.171438	0.420064	0.302775	0.091388	3.954729	3.984416
OlfR985	3.175887	3.158574	1.793386	1.55093	0.920792	0.916225	0.924801	0.797916	0.33235	0.364145	0.056545	0.035993
Nr2f2	0.076419	0.123814	0.183345	0.214868	0.921598	0.902828	3.048076	2.154553	9.716306	9.216296	9.427342	9.06865
Edn1	0.276227	0.276721	0.372821	0.272555	0.309538	0.249322	0.513503	0.39989	1.92324	1.808059	9.57276	10.51894
Tgfb2	0.081137	0.111948	0.135779	0.088243	0.106385	0.12658	0.193491	0.119028	0.575104	0.472806	3.717655	3.72129
Neurog1	0.036364	0.039128	0.116915	0.156741	0.218673	0.066726	0.145868	0.254252	2.608217	2.664542	3.227137	2.76796
Srms	0.188918	0.223353	4.412616	4.302082	3.159447	3.653781	1.760849	1.774437	0.194045	0.206578	0.073893	0.105796
Agtr1a	0.256893	0.335166	0.623243	0.444581	1.090655	1.001306	2.118099	2.088665	18.3671	17.9637	16.62329	17.08431
Syt12	0.074297	0.10715	0.095591	0.050138	0.083482	0.066123	0.19599	0.075453	0.479022	0.549344	1.862264	1.950014
Krt13	0.39163	0.115509	3.286057	0.948552	0.194855	0.107843	0.83612	0.481705	3.708854	4.140023	6.694049	4.006469
Cnn1	1.634104	1.173442	1.38705	1.07586	1.097795	1.186386	1.615024	1.563556	2.971028	2.708822	43.04941	41.08815
Myl9	2.073705	1.782268	3.926538	3.545555	3.806588	3.875608	7.46768	6.481619	18.03578	15.20105	136.6328	134.0772
Hoxc9	0.01698	0.1	0.120311	0.128065	0.560344	0.493484	1.657064	1.223993	5.203411	3.982927	5.376167	4.666712
Cyp1b1	0.696316	0.693235	1.831756	1.736813	5.718637	5.588304	15.40879	14.78763	59.88879	61.0325	49.02951	52.22303
Pou3f4	0.082604	0.100939	0.133942	0.059429	0.179213	0.144416	0.266513	0.288117	1.881337	2.017494	1.97764	2.007934
Adamts5	0.032505	0.01303	0.032403	0.070199	0.089474	0.087602	0.119981	0.081095	0.48188	0.584553	2.3501	2.305461
Hp	1.970055	0.864158	0.073005	0.544545	0.46639	0.446505	0.373838	1.012022	0.044391	0.243566	0.046988	0.031763
Smoc2	0.09257	0.083394	0.10311	0.068865	0.20659	0.222106	0.174828	0.529572	1.028044	1.068122	2.330523	2.171769

Pcdh18	0.421366	0.585696	0.235498	0.225011	0.623548	0.6168	1.610073	1.568887	6.324617	7.039378	4.027643	4.576925
Lbh	0.916586	0.7867	0.685899	0.67208	1.262432	1.242566	3.029384	2.936841	13.49905	11.86053	21.12797	20.98653
Nsg2	1.276291	1.288773	0.255122	0.15631	0.279208	0.404628	1.044337	1.151268	4.539198	4.624109	4.947983	4.815838
Nr2f1	0.119715	0.106803	0.311043	0.409083	1.161762	1.033229	2.299305	2.572064	12.58986	11.04753	12.85605	12.14948
Tox3	0.859697	0.976002	0.785634	1.029736	2.256378	2.154668	6.461801	6.032951	27.4857	27.45563	28.58321	30.44612
Plat	0.939463	0.919267	2.088491	2.01547	7.306848	7.698441	19.86047	19.8875	39.25209	38.44307	57.29797	59.13358
Csf1	0.352633	0.470612	0.583393	0.630328	0.882734	0.851647	1.356651	1.380424	1.921948	1.978905	19.39942	18.48798
2610528J1:	3.031365	2.361872	11.59379	10.71655	6.34908	6.718837	2.499781	3.033152	0.578036	0.370387	0.511612	0.453247
Ccnd2	1.220914	1.50674	2.53372	2.372589	3.365869	3.411405	5.586539	4.315948	51.24174	50.93404	63.13787	68.03819
Zbtb16	0.264978	0.248594	0.400377	0.580907	1.90293	1.68109	5.091078	4.741847	16.5686	16.64607	14.02057	15.25924
Pou3f2	0.288505	0.288727	0.279258	0.312857	0.435868	0.446127	0.700104	0.612368	7.378672	6.993678	8.997336	8.899758
Fosl2	0.323398	0.292256	0.648715	0.701354	0.972593	0.902658	1.601619	1.416819	2.512885	2.550337	18.37507	18.94237
Vstm4	0.095542	0.030904	0.175742	0.087916	0.477637	0.39274	0.953584	0.82073	1.639501	1.612003	2.598154	2.368372
Sost	0.009688	0.092027	0.118642	0.102672	0.730011	0.785375	1.856184	1.451836	1.443877	1.077526	3.156182	2.751151
Megf10	0.142555	0.144163	0.192039	0.201075	0.46874	0.68061	0.992223	0.698578	4.873317	5.008201	5.214407	5.330961
Acta1	0.632836	0.677206	1.67629	1.267873	0.955144	0.914174	1.819137	2.093157	2.292186	2.262819	27.07338	24.12016
Vrtn	4.693445	4.169749	0.737943	0.602198	0.292837	0.349093	0.135218	0.081745	0.067577	0.023045	0.025772	0.03281
Id3	6.847031	6.400738	2.299866	1.73145	2.726336	2.248419	5.32141	5.684193	55.91305	45.20853	38.57631	33.01636
Cbr2	10.42222	1.483102	0.08833	0.743414	0.619917	0.379535	0.476798	1.393346	0.1	0.419735	0.1	0.056524
Kdr	0.276411	0.114547	0.093908	0.07814	0.146092	0.090066	0.191529	0.158228	0.27908	0.292774	1.90305	1.874324
Slitrk2	0.049167	0.09001	0.122909	0.101421	0.212945	0.210762	0.304473	0.361955	2.349844	2.397317	1.666729	1.699597
Irx3	0.896968	0.95195	1.205359	1.613394	5.217927	5.534165	12.64297	13.43164	43.13268	36.44417	42.74259	37.28265
Clca6	1.723652	2.147652	1.304119	1.56987	0.743124	0.63974	0.400683	0.624062	0.112016	0.128005	0.064825	0.069343
Syt6	0.045453	0.033881	0.055024	0.148099	0.141289	0.212769	0.417381	0.488199	2.94585	3.305932	2.890347	2.947041
Sox21	2.270073	2.118928	1.086753	0.838404	1.658449	1.706863	4.114446	4.145128	21.26084	17.82123	18.89777	18.56398
Ntn1	3.25083	4.266685	1.001852	0.758573	1.080734	1.034858	2.188877	1.938833	13.42806	14.25207	17.79462	16.78425
Meox1	0.162461	0.192581	1.108767	1.276401	4.566431	4.351658	15.18094	14.53553	28.48094	28.113	27.28132	24.5506
Cxcl10	0.073694	0.305496	0.204569	0.225648	0.165804	0.436919	0.541789	0.17136	0.197679	0.248209	4.003102	3.771001
Cdh11	0.152784	0.126339	0.120829	0.131595	0.343856	0.418624	0.729124	0.922668	2.929099	2.870853	2.028655	2.487201
Stmn4	0.11827	0.138342	0.161306	0.246028	0.148003	0.245161	0.362765	0.482101	0.706885	0.770435	5.983548	5.258485
Daam2	0.093727	0.070216	0.148795	0.125897	0.226321	0.298114	0.423956	0.341133	2.707033	2.661031	2.563612	2.679127
Sema3c	0.584212	0.412742	0.450666	0.522547	0.70776	0.736816	1.258836	1.083977	4.943448	4.830812	10.01155	11.07478
Calcr1	0.545705	0.1157	0.135343	0.13597	0.210862	0.243821	0.428092	0.393599	2.545697	2.847437	2.000676	2.271315
Prss23	0.112374	0.105602	0.099105	0.277428	0.317785	0.254026	0.488959	0.624701	4.476597	4.514491	4.950322	5.212525
Cdh6	0.32184	0.610432	0.697251	0.766629	2.095891	1.902774	4.084554	3.899655	15.6548	15.72741	9.337372	9.565316
Nhlh1	0.433142	0.571351	0.141863	0.277136	0.163582	0.098584	0.017549	0.076083	0.616815	0.654054	1.266548	1.539913
Hist1h2af	274.1791	154.1994	5.235164	23.43865	63.63392	91.64197	33.06165	201.6812	73.01245	117.8048	13.14054	10.03
Slc25a21	0.015451	0.1	0.20424	0.133391	0.678562	0.604664	1.245053	1.221526	2.255447	1.889578	2.330739	2.652652
Maml3	0.315543	0.407125	0.388385	0.406758	1.02307	0.93112	1.75415	1.589336	7.868077	8.017823	5.061868	5.474746
Igf2os	0.084717	0.053379	0.164608	0.152536	0.282523	0.289979	0.425029	0.559109	1.158386	1.273696	3.284003	2.959911
Tarm1	1.045968	1.588171	2.849287	2.637263	1.603905	1.424367	0.98449	1.135189	0.424337	0.994565	0.151823	0.141861
Tgfb3	0.113125	0.187464	0.327524	0.330055	0.791468	0.692056	1.746131	1.454209	5.091034	6.124255	2.613114	2.876426
Cxcr4	0.547078	0.470822	0.419202	0.325228	0.62494	0.425832	0.797061	0.90878	6.137141	6.02909	5.470655	5.734782
Olfml3	0.233592	0.158656	0.45777	0.483409	1.268921	1.334443	3.064492	2.966719	9.660853	8.914473	8.568243	8.500796
Pou3f3	0.073432	0.090841	0.199075	0.205512	0.190476	0.306746	0.408688	0.392193	3.381224	3.111004	4.16966	3.777257
Cdh2	2.43598	2.742098	2.705337	2.351643	4.802925	4.509351	8.63291	8.506333	36.11365	35.29015	41.16936	42.81228
Fas	0.311868	0.285016	0.229496	0.376944	0.487717	0.723374	0.659822	0.977712	0.571899	0.656309	6.529605	6.767933
Plagl1	0.960968	1.114758	1.407312	1.240954	2.07878	1.993089	3.577858	3.572947	12.53328	10.49526	21.18774	22.15254
Pitpnm3	0.073668	0.08287	0.104702	0.090752	0.319432	0.347123	0.766299	0.80793	1.680356	1.61031	0.837838	0.894655
Ptprcap	1.477297	1.394995	7.914111	7.15962	3.408345	2.889207	1.773896	2.123428	0.612685	0.404153	0.789318	0.887738
Eya4	0.044375	0.066729	0.098472	0.102397	0.142616	0.136062	0.311433	0.274947	1.325037	1.580056	1.617664	1.811188
Ltb	0.354913	0.239115	0.192534	0.198341	0.127438	0.142168	0.207183	0.132299	0.222505	0.131501	3.470368	2.314607
AU015228	0.030538	0.095559	0.130792	0.084061	0.244313	0.217807	0.374033	0.532581	0.75794	0.872526	2.105833	1.427565
Timp3	1.276341	0.972101	0.721768	0.876579	0.947224	0.876935	1.111316	1.161256	1.747209	2.002794	13.30511	14.48658
C430049B0	0.811596	0.611521	0.68019	0.806402	0.883476	1.424532	1.701612	1.835808	9.421591	9.585082	13.87346	13.26153
Nhlh2	0.294588	0.283245	0.237106	0.204826	0.210474	0.113746	0.179903	0.153754	0.58979	0.60836	1.867949	1.859014
Tnc	0.084935	0.079619	0.138276	0.222596	0.133101	0.185014	0.248775	0.23084	0.847861	0.876725	3.320152	3.020697
Dclk1	0.12329	0.163621	0.061388	0.067525	0.195478	0.159319	0.300738	0.286685	0.947202	1.03342	1.066563	1.101312
Slc24a3	0.04986	0.067894	0.121104	0.115321	0.134429	0.185725	0.220166	0.347335	0.537502	0.536703	1.721399	1.842894
St8sia2	0.135021	0.181886	0.104669	0.098197	0.217469	0.190198	0.31599	0.226664	1.052119	1.221206	1.546493	1.55941
Nuak1	1.654829	1.834578	3.342114	3.397065	4.84517	4.709272	7.562131	7.454211	16.65878	17.27652	51.54018	53.72529

Atf3	0.48721	0.329723	1.241898	1.461203	2.050252	2.052241	2.835211	3.307154	4.46699	3.534975	21.40478	22.62492
Hoxd1	0.043448	0.067743	0.208337	0.17983	0.649407	0.52772	1.092889	1.183004	3.334995	2.778586	1.554194	1.969051
Zfp503	0.115016	0.10053	0.675905	0.83583	1.610851	1.746264	3.029347	2.336124	12.81454	11.39044	14.0848	12.85051
Slc44a5	0.011626	0.040811	0.075169	0.115398	0.202015	0.199166	0.349551	0.261928	1.495856	1.270165	1.654749	1.768989
Phlda1	1.066664	0.855763	1.06845	0.964551	1.137798	1.141587	1.684184	1.803505	7.538311	6.52757	15.5593	14.77499
Zfp385b	0.198967	0.078971	0.142355	0.154317	0.198454	0.34562	0.416124	0.496039	0.986626	0.912248	3.152116	2.351851
Dpysl3	6.197385	6.76827	3.475828	3.699407	4.930079	4.426933	8.455856	8.580335	36.78891	39.40967	56.2603	56.29286
Tbx2	0.23369	0.080745	0.504938	0.448902	1.338998	1.455817	2.967574	2.727236	4.749221	4.486574	6.301629	6.803319
Dio3	0.158723	0.176205	0.284544	0.283656	0.237846	0.205213	0.437661	0.484832	0.477871	0.297852	3.669488	3.095354
Serpine1	1.813104	1.88789	2.426762	2.400378	2.177273	2.162537	1.978876	1.937297	1.244797	1.289414	20.79175	19.30736
Cyr61	5.626186	6.484092	9.584099	8.873197	8.359582	8.916382	12.14271	12.22519	36.24822	34.4874	120.6874	132.8223
Pla2g10	12.72964	12.19716	5.422195	5.510407	3.040779	2.541629	1.73729	1.086869	0.433154	0.514024	0.276412	0.36859
Cp	0.185479	0.222717	0.127494	0.140839	0.123844	0.237241	0.209013	0.18484	1.221158	1.330766	1.994175	2.098044
Gtsf1l	23.76914	26.29669	20.28487	20.74656	9.507955	8.847352	4.042501	4.561274	2.539891	2.804601	1.450613	1.395093
Nrcam	0.37273	0.423095	0.355241	0.426638	0.46269	0.460806	0.844813	0.730364	6.389604	6.335884	4.937795	6.058127
Dach1	0.154797	0.202173	0.243814	0.312634	0.726144	0.799568	1.813927	1.571516	4.734237	4.61731	4.006456	3.705499
Igf2	1.842893	2.161616	4.263764	5.089949	9.782887	9.691986	22.13692	18.70912	70.73484	72.21152	92.82604	74.40239
Rln3	5.438211	4.217343	6.155619	5.291222	4.035142	3.764214	2.037103	2.291608	0.431982	0.36266	0.370657	0.783567
Rasgrp2	4.773495	5.24787	3.067178	2.769674	1.910273	1.764314	1.073778	1.164367	0.33028	0.322032	0.25653	0.189876
Irx5	0.628896	0.546765	0.731766	0.96947	1.540862	1.426124	3.553945	3.101068	13.69567	12.26868	13.96527	14.01373
Id2	16.53979	13.37839	4.95267	4.320697	7.346793	6.110168	10.48893	12.10426	63.96613	61.57616	37.68747	37.89085
Sox9	0.048676	0.046427	0.084019	0.146102	0.559253	0.44064	1.307023	1.212764	1.804089	2.078544	2.388875	1.918241
Dcn	0.438087	0.135719	0.268974	0.284067	0.202873	0.104322	0.307638	0.1491	0.61841	0.822909	1.789979	1.478168
EfnA5	0.370192	0.53366	0.471006	0.490986	0.659046	0.729169	1.196357	1.174002	6.009328	5.871835	6.355242	6.954969
Hoxd8	0.106917	0.040024	0.139991	0.188721	0.42072	0.486205	0.49455	0.533794	1.950133	2.003355	2.288624	2.661884
Chrna3	0.161302	0.169079	0.505731	0.677236	1.25725	1.237384	4.378669	4.216988	10.63286	9.147449	8.829087	9.507663
Irs1	0.154448	0.240552	0.211185	0.278399	0.398732	0.470739	0.752658	0.656057	1.937118	2.140697	3.880935	3.8835
Gbp5	0.500705	0.490993	0.345011	0.222145	0.319916	0.495651	0.835861	0.791202	0.622489	0.752593	3.506464	3.059915
Plac1	0.319209	0.261031	0.26798	0.223043	0.619298	0.449473	0.764708	0.936561	3.089638	2.79273	3.312806	3.071279
H19	8.441229	8.374322	18.17776	16.91842	38.76017	36.02953	71.89036	79.38293	203.9285	211.2626	278.6131	228.9163
Cldn2	0.178731	0.112825	0.248574	0.320987	0.807913	0.70472	3.162222	2.494241	2.987116	2.589834	4.087921	4.340166
Anxa1	1.492328	1.156968	3.351221	2.456763	1.397031	2.081304	3.119382	3.107674	5.6348	5.461358	28.94655	28.13892
Efemp1	0.396059	0.259221	0.454121	0.865791	1.415218	1.003165	2.650833	2.323798	11.58335	11.61061	6.370684	6.735902
Rrad	0.269357	0.161346	0.188106	0.325571	0.55039	0.696157	0.68676	0.535624	0.864245	0.577709	5.132679	4.320897
Nes	4.352064	5.390426	6.500411	6.27574	9.752323	8.545517	13.81996	12.92173	22.55673	22.26194	83.63139	82.59738
Rfx4	0.49064	0.425581	0.577191	0.732787	1.281742	1.328792	2.674393	2.599307	10.41195	9.586961	6.011386	6.20942
Plxdc1	4.66241	5.628062	1.859924	1.91009	1.453856	1.437853	0.657667	0.650706	0.286578	0.424521	0.1673	0.146336
Sfrp5	0.562156	0.602349	4.656616	4.163572	18.01983	17.38628	53.01689	54.11916	43.41079	39.95056	48.87794	51.39407
Gpc3	17.8251	18.43566	7.894782	8.839802	12.88148	11.8504	18.27467	22.33378	117.3921	113.7821	111.9172	111.431
Asb4	0.306432	0.313956	0.224429	0.260168	0.380059	0.323311	0.751909	0.841497	3.583058	3.34855	1.339099	1.497366
Fbn2	0.456375	0.503848	1.402111	1.617711	3.671473	3.480572	7.35011	5.715281	15.54378	14.94043	19.74108	20.35258
Foxe3	0.046174	0.1	0.0295	0.1	0.069583	0.1	0.131099	0.16217	1.064197	1.239182	1.536525	1.25606
Crabp1	20.49683	19.69621	14.18648	12.83989	19.23214	19.77684	25.76371	24.77761	127.8178	108.927	184.1095	161.2219
Crlf1	0.417178	0.549681	1.485782	1.407514	1.041279	1.047638	0.686775	0.456127	0.121081	0.112142	0.301427	0.346399
Ncald	0.189235	0.118759	0.182141	0.190656	0.248377	0.310167	0.425736	0.552411	1.520012	1.549982	2.268529	2.391773
Ets1	0.746128	0.679215	1.021242	0.937093	1.530203	1.426831	2.141238	2.020451	2.383622	2.308091	11.62523	11.74368
Camk2n1	4.089383	4.3868	27.59303	26.38021	35.37124	36.69456	27.25399	25.96462	6.342974	6.117202	3.040975	2.928358
Arhgap36	0.132816	0.202937	0.152497	0.123612	0.245762	0.272773	0.758978	0.556286	1.471635	1.43979	1.359152	1.537176
Gm14005	0.166474	0.100245	0.320344	0.158506	0.142789	0.211091	0.321843	0.332784	0.486763	0.290881	2.717339	1.947973
Mid1	0.09626	0.096151	0.249402	0.164078	0.298775	0.222847	0.396226	0.353803	1.838816	1.589676	1.897832	2.012867
Pdzrn3	0.790934	0.778599	1.21633	1.489728	3.774558	3.612364	7.153135	7.491426	19.26968	18.19702	11.66925	11.24116
Arl4c	5.862876	6.013942	3.401664	3.688599	4.404985	4.440128	5.703858	6.789103	11.46475	11.33768	47.12173	44.87079
Ildr2	0.276254	0.298056	0.555655	0.658525	0.937016	0.868287	1.670089	1.300759	7.60226	8.008609	6.481056	6.882132
Dusp8	0.184836	0.132052	0.37136	0.325702	0.444795	0.337017	0.592271	0.497548	1.117178	1.059187	3.80513	3.959089
Spta1	3.824248	4.100332	2.190512	2.205251	0.967929	1.132369	0.720339	0.691354	0.235993	0.18275	0.274769	0.254343
Nhsl2	0.244723	0.348045	0.468317	0.524982	0.643083	0.663421	0.972868	0.729777	2.289802	2.108592	5.992448	6.300243
Synpo	0.246212	0.311249	0.726731	0.770665	0.995816	1.0882	2.662149	2.12578	3.706881	3.458062	9.849714	9.233675
Foxr2	1.124754	1.323155	1.267571	1.421023	0.740906	0.749675	0.529643	0.584014	0.365834	0.32854	0.12169	0.118824
Bach2	0.342796	0.45948	0.575214	0.640956	0.905162	0.888248	1.411284	1.102817	2.628305	2.59211	7.702146	7.631688
Fhl2	0.335635	0.336062	0.769115	0.614198	0.979319	0.937494	1.025304	0.659678	1.765055	2.060869	7.089984	7.301704
Plaur	5.068424	4.575249	3.012407	2.276981	2.668746	2.308605	2.55268	1.880055	3.466738	2.871177	24.12168	22.2873

Rgs16	0.732275	0.86109	0.536729	0.829003	0.757237	0.563423	1.214071	1.182197	1.726012	1.667877	6.670504	6.659135
Nkx2-5	0.09279	0.123464	0.331249	0.204503	0.581312	0.670496	1.014294	1.106371	1.35645	1.189372	3.16215	2.408852
Boc	0.851377	0.97181	2.032335	2.205087	3.292937	3.246088	6.410358	5.463616	24.5613	25.97253	17.38814	17.17707
Cacnb2	0.163491	0.172945	0.161546	0.149302	0.214349	0.28606	0.374398	0.249483	1.160682	1.066218	1.418452	1.757512
Cd24a	35.2219	28.7545	15.52901	14.71417	38.13199	36.61774	71.53035	75.25102	170.2845	172.7546	109.145	117.4161
Tgfb1i1	0.419949	0.390986	1.053042	1.245563	2.237719	1.805357	2.933765	2.447125	3.023594	2.651087	14.59266	14.59211
Gm715	0.436579	0.252613	0.394987	0.63291	1.309184	1.036037	2.195327	2.030343	7.069889	5.548452	7.44099	7.397857
Fbxo32	0.372117	0.349716	0.389656	0.371467	0.691157	0.734677	2.10395	1.709541	3.339435	3.029911	4.12603	4.32435
Foxi3	3.013468	3.138618	1.742838	2.295592	1.291964	1.228275	0.629696	0.403394	0.294137	0.265278	0.213261	0.198321
Sdk2	0.169828	0.166287	0.306299	0.292273	0.585216	0.572417	1.069374	0.86368	3.121957	3.370303	2.29351	2.065982
Chrna9	2.963331	2.764411	1.361199	0.877871	0.633693	0.507264	0.220212	0.076289	0.128849	0.148442	0.161748	0.223259
Sox6	0.046565	0.064519	0.128761	0.113895	0.210441	0.20954	0.512067	0.307624	1.081064	1.137711	1.16073	1.309955
Flt1	0.218937	0.174061	0.324276	0.261104	0.242521	0.305727	0.346203	0.360255	0.521481	0.44302	3.174195	2.999921
Irs2	2.717258	3.661157	4.60769	4.706412	6.759321	6.447046	10.86641	9.107869	38.61925	37.93835	53.98157	53.86095
Pla2g7	0.355561	0.170135	0.279516	0.144981	0.114882	0.150351	0.179914	0.156447	0.338293	0.414027	1.848769	1.658469
Lmod1	0.337156	0.230063	0.321223	0.331309	0.571129	0.526611	0.859355	0.878461	1.00469	0.877164	3.294071	3.768558
Alppl2	0.019269	0.060295	0.166071	0.095098	0.221507	0.168281	0.349024	0.403254	0.959832	1.079334	1.338903	0.92964
Sftpa1	2.721125	0.746995	0.1	0.394479	0.290827	0.21066	0.314442	1.133087	0.00708	0.162554	0.1	0.1
Hoxc5	0.013791	0.029295	1.100351	1.089291	4.328332	4.159795	10.05521	8.610204	13.81588	12.33187	8.16885	8.447574
Zfp608	1.732077	2.122989	0.943665	1.246717	2.371524	2.223224	5.466608	4.501142	14.37126	14.06623	12.28939	11.46476
Trabd2b	0.070331	0.108812	0.141408	0.197674	0.380259	0.354334	0.639087	0.524129	1.026132	1.037119	2.170168	2.223406
Olfm2	1.580634	2.266901	2.029739	2.029945	2.922201	2.655063	4.181498	3.890275	22.62104	20.98463	23.00904	22.69088
Lefty1	64.74421	56.678	140.3824	129.2476	126.8189	135.1446	86.02575	86.44374	21.90027	19.53629	11.33477	12.16123
Stk32a	0.192721	0.218992	0.853708	0.858034	2.055301	1.811204	5.821073	4.717829	7.676267	7.085904	8.456019	9.450855
Eef1a2	0.231982	0.315229	1.811315	1.424427	2.290799	1.989245	1.925448	1.506763	0.45147	0.361445	0.328627	0.181831
Scube1	0.299148	0.262012	0.394195	0.345423	0.558971	0.602801	0.866455	1.07224	3.632799	3.766376	3.21913	2.91414
Prox1	0.160838	0.206241	0.327809	0.342034	0.771143	0.702843	1.513612	1.391857	3.461457	3.696127	3.243397	3.172609
Jph2	0.248825	0.210118	0.387213	0.284267	0.483394	0.593765	0.679638	0.756818	0.760226	0.661845	3.325163	3.062322
Ankrd34a	1.263671	1.476797	1.619823	1.697838	0.958452	1.240749	0.805645	0.707633	0.251949	0.244817	0.164872	0.1584
Prdm12	0.065142	0.127244	0.453718	0.506209	0.235706	0.187904	0.179495	0.265536	2.239889	2.003901	2.265684	2.005478
Mmp25	3.121857	3.665699	3.474248	4.009374	5.217919	5.30712	7.720643	7.169706	1.837459	1.84347	0.634948	0.673964
Miat	0.314778	0.383644	0.371483	0.3684	0.246211	0.284271	0.26995	0.281315	1.177544	1.212347	2.663366	2.992001
Accs1	2.99981	3.225033	8.073381	8.168215	3.849251	4.389724	3.08359	2.992413	1.742128	1.428754	1.015557	0.770651
Antxr2	0.208697	0.14845	0.275318	0.308036	0.701558	0.719988	1.358252	1.364474	3.59014	3.262764	2.906477	3.049909
Trim63	2.586513	2.567133	2.222972	2.141521	1.218097	1.084312	0.922914	0.82005	0.417934	0.378374	0.089704	0.20356
Arhgef38	1.71589	2.009164	2.541366	2.101228	1.138462	1.167399	0.892246	0.902806	0.372494	0.441548	0.19437	0.199884
Fam19a4	2.705903	2.478601	1.990781	2.160622	1.494761	1.29594	1.522885	1.503527	0.411296	0.316152	0.312625	0.205919
Dpysl4	1.047623	1.028462	0.773125	0.660515	1.47283	1.282195	2.333425	1.999335	6.048522	5.89859	6.870722	6.927123
Hsd17b14	55.41485	58.30446	43.22238	41.16133	21.92392	20.9791	12.70608	12.05154	5.858233	4.395056	3.68065	3.932702
Gm6792	4.313876	4.263506	2.106928	2.208563	1.093872	0.936846	0.997601	0.930486	0.28932	0.21129	0.437709	0.621434
Pkdcc	7.993058	6.97465	4.039791	3.774537	6.710186	6.297976	6.765564	7.434354	12.54289	12.56627	39.87562	39.36138
Add2	0.045369	0.054021	0.176995	0.141046	0.316614	0.386528	0.405813	0.405711	0.548856	0.657149	1.4967	1.468182
Trim9	0.024856	0.030513	0.080979	0.110624	0.187395	0.240372	0.495346	0.435478	1.012014	0.936876	1.009073	1.148232
Stk39	2.378301	2.176036	1.12057	1.222972	2.831921	2.853547	4.375879	5.076384	12.19954	12.01109	13.05794	12.5785
Sox3	2.979171	3.486916	6.786512	6.423044	8.671842	8.140588	14.70507	13.70834	58.4307	44.05547	73.06397	65.55717
Zfp819	5.165932	4.684321	1.919378	1.361289	0.929252	0.753848	0.986422	0.873053	1.870048	2.002351	6.79552	7.692345
Pgm5	0.087118	0.07263	0.08423	0.126911	0.317072	0.339482	0.661406	0.578785	1.250491	1.292539	1.178645	1.176835
Pcdh8	0.181332	0.2154	0.431826	0.264599	0.42724	0.499836	0.509748	0.491736	1.56817	1.411272	2.880328	2.662383
Galr2	0.685269	0.54579	1.543646	1.05193	1.059072	1.150921	0.467676	0.652274	0.193767	0.114445	0.067851	0.245808
Lrrc2	10.52011	9.901512	6.330762	5.949931	2.595231	2.541668	1.536393	1.717307	0.954441	0.906308	0.768889	0.59353
B630019K0	0.117639	0.114421	0.234352	0.241477	0.319928	0.366628	0.449787	0.417322	1.993675	1.661462	2.537653	2.415185
Col1a2	1.037257	1.11298	2.598218	2.418207	5.604322	5.065689	15.04671	12.71819	24.77221	24.12875	19.16911	18.83731
Cxcl12	1.159599	0.995088	0.584467	0.773796	0.372184	0.336109	0.327803	0.174908	0.659827	0.611571	1.999294	1.741526
Apln	0.65277	0.542811	0.153648	0.21685	0.447382	0.411167	0.417445	0.476261	0.674563	0.805096	1.986998	2.153966
Fam65b	0.147529	0.241838	0.099959	0.17458	0.348175	0.392351	0.619522	0.702003	1.644151	1.726341	0.825652	1.017586
Spsb4	2.190899	2.51527	3.514983	3.36781	7.193214	6.378094	14.25578	15.34642	29.16811	28.13454	33.5493	33.24277
Grifin	0.033107	0.067587	0.952716	0.645891	2.103697	2.430588	6.193195	6.345789	5.551994	4.922136	6.313037	3.880665
Fat3	0.108274	0.167572	0.246912	0.249326	0.604204	0.570852	1.176096	0.901486	2.216066	2.437678	1.830739	1.985842
Kcnk4	0.270062	0.186564	2.623591	2.296064	1.784927	1.627149	0.975495	1.912942	0.417147	0.565218	0.307683	0.235568
Bambi-ps1	0.717557	0.712311	1.569773	1.140237	1.258433	2.020572	2.195717	1.82085	3.932874	3.103992	11.42797	11.08374
Foxd1	0.074075	0.08489	0.187865	0.156836	0.16355	0.3354	0.768464	0.590122	1.214152	1.237547	1.731305	1.520666

Gas1	2.570117	2.003285	8.337148	8.973634	18.58461	19.61692	30.54747	25.97396	79.03687	69.02095	91.34613	86.9424
Lsp1	0.3552	0.166005	0.352704	0.513938	0.831196	1.039201	1.152945	1.37172	1.822428	1.77182	6.169339	4.949925
Inhbb	12.4687	13.24515	14.70612	13.26818	6.080539	5.636383	3.980667	4.141487	1.295313	1.382236	1.245323	1.379968
Tshz1	0.317623	0.219352	5.419413	5.689643	17.35682	17.90186	40.92607	37.94279	51.65748	50.45203	51.75516	54.10344
Crabp2	6.340376	5.277105	39.58597	40.6312	118.2178	108.3969	268.3469	258.0962	421.2728	385.4221	336.9503	329.8855
Olfr986	0.794889	1.307217	1.059423	0.959769	0.495349	0.423902	0.354163	0.322903	0.21384	0.169729	0.101739	0.101289
Ak7	2.991729	3.084732	9.390543	8.894499	3.777573	3.791273	2.695461	2.651711	1.347037	1.23947	0.967801	0.940239
Apba2	0.675336	0.838604	1.030651	0.929344	1.454442	1.276938	2.056759	1.881474	9.127962	7.613637	8.549567	8.76807
Adamts1	0.487364	0.580636	0.710478	0.75502	1.282143	1.130163	1.84507	1.928805	3.610974	3.317136	5.849827	7.115214
Ndnf	1.358416	1.409659	1.179198	1.296568	2.028911	2.128086	3.56949	3.297132	13.00146	12.21058	9.898487	10.14732
Pygl	0.97562	0.777012	0.383972	0.472289	1.002407	1.070335	1.650192	1.723055	3.791915	4.417768	3.069083	2.698033
170012310:	1.574772	1.606271	2.190121	2.397717	1.521308	1.296458	1.188898	1.3202	0.414713	0.256336	0.350709	0.401563
Pcdhb22	0.170683	0.091115	0.143856	0.14152	0.196833	0.287727	0.338324	0.259778	0.769046	0.796243	1.567515	1.321414
Crispld2	0.294359	0.26464	0.625873	0.487983	0.732515	0.658864	0.773236	0.941376	1.306585	1.591235	4.915116	4.518973
Zfp521	0.668533	0.728705	0.420952	0.612199	0.926825	0.763066	1.586177	1.485547	5.418242	5.669175	2.802456	3.283367
Gpr50	0.02627	0.048452	0.177097	0.128371	0.268869	0.342225	0.593528	0.442863	0.911434	0.638141	1.029989	1.185559
Ly6h	0.101138	0.099109	0.272421	0.257399	0.352632	0.39801	0.447145	0.418307	1.090991	0.963205	2.462061	2.373467
Bcl11a	2.319437	2.021471	0.475826	0.507824	0.262443	0.310441	0.161963	0.14086	0.072387	0.073474	0.067034	0.055734
Dtx4	1.876021	2.107755	2.373238	2.822578	3.610975	3.535155	5.11627	4.853366	16.77021	16.24645	24.47262	25.61663
Dpys	3.157749	2.2259	1.130489	1.14319	0.652774	0.492122	0.325511	0.626667	0.176874	0.149402	0.153414	0.127109
Hs6st2	1.278851	1.423827	1.766975	1.665914	3.248077	2.88568	4.932378	5.041094	15.19505	12.82489	12.89627	14.92456
Cass4	1.237874	1.453381	0.786648	0.67314	0.562078	0.49244	0.450839	0.376846	0.12649	0.075973	0.118394	0.108949
Irf2	0.21175	0.179215	0.225672	0.342589	0.51866	0.518719	0.791128	0.792439	1.999596	1.852979	2.743521	3.029633
Cpne5	1.626648	1.724911	3.212881	3.09394	2.24829	1.869659	1.413749	1.421537	0.590322	0.694595	0.476397	0.350511
Hist1h2bl	4.548053	5.067511	1.767823	3.822094	3.18225	6.780219	3.4701	2.952258	2.076709	2.216717	0.955161	0.770662
Slc2a7	0.269198	0.3638	1.104885	1.749243	0.765899	0.903302	0.641221	0.831609	0.24912	0.44847	0.243376	0.200377
Tcstv3	0.832383	0.667984	1.287224	0.945011	2.411065	2.692125	7.470015	6.984115	6.487325	6.678062	8.525525	8.236927
Cryge	0.232879	0.092741	0.781525	0.726103	1.545906	1.421808	3.768834	2.784856	4.040573	2.513701	6.305985	6.310199
Car3	4.051834	3.852139	4.589587	4.537772	5.895449	6.878258	9.994585	10.41836	13.38853	9.598144	35.76506	39.31591
943006910:	2.763511	1.756483	0.570927	0.865629	0.179548	0.1	0.1	0.1	0.060137	0.117971	0.135964	0.1
Bmp2	0.158905	0.17236	0.263805	0.235672	0.373282	0.287625	0.524335	0.474603	1.155825	1.00529	2.103976	2.037815
Shisa4	1.189764	1.292032	1.844906	1.886431	3.646972	3.914086	5.322201	4.917987	6.692081	6.4607	16.81061	16.31109
Cryab	2.023927	1.548902	1.532471	1.746037	1.243022	1.538915	1.638945	2.135715	4.391794	4.016351	14.82653	13.21549
Arg1	0.082121	0.099494	6.595016	6.160579	11.21628	11.57732	24.13381	21.33786	42.28719	37.87182	54.14963	52.75269
Gdf15	1.526061	1.683221	3.44201	3.238071	2.2827	2.042161	0.991669	0.940375	0.574921	0.378524	0.665789	0.615693
Mex3b	1.373934	1.683447	2.076312	2.10645	4.284868	4.464423	8.248118	7.216678	18.13102	17.98294	15.77261	14.63516
Gm4340	1.104065	0.860347	2.817616	2.644138	7.116107	7.746493	14.86229	22.50216	15.50807	17.23008	17.86706	15.35446
Fbxl7	0.232236	0.286947	0.568967	0.725577	1.350584	1.357421	1.616315	1.746402	3.508852	3.468925	5.068046	6.171344
Zim1	0.291989	0.330062	0.361599	0.395186	0.441073	0.422956	0.657713	0.506095	2.509887	3.360663	2.177214	2.477979
Gm11544	0.421374	0.224161	0.334771	0.790747	1.211481	1.453044	3.937645	4.416794	6.314859	5.640986	8.548578	6.687501
S1pr1	0.359416	0.221894	0.083032	0.234321	0.339255	0.416216	0.622526	0.696276	1.058932	1.167491	1.711667	1.96005
PIK5	2.013566	2.085143	2.269695	2.014914	1.800232	1.763943	1.085345	1.242688	0.561239	0.423277	0.312172	0.241192
Tnfaip8l2	0.178646	0.227311	0.516715	0.79592	0.628622	0.730381	2.844762	3.25814	5.827149	6.099027	2.599243	2.256579
Foxn4	0.521445	0.499899	4.060034	3.858046	2.542626	2.442584	1.44699	1.50733	0.372254	0.475183	0.496896	0.462614
Mafb	0.442841	0.328265	0.557736	0.558998	1.179807	1.031011	2.000834	2.146159	4.960544	4.658807	2.624833	2.729593
Jph4	2.163734	2.557177	1.254145	1.585526	1.11274	1.005262	1.022494	0.626984	0.441863	0.289051	0.172467	0.190777
Scgb3a1	0.909794	1.169383	0.620179	1.218754	0.337181	0.699248	0.574867	0.705358	0.461335	0.371278	0.388438	0.146829
Liph	12.22594	13.41001	5.7329	4.938667	3.147776	3.150788	2.09651	2.063486	0.989522	1.003449	0.818378	0.595443
Stk32c	0.420033	0.528186	0.96137	0.748915	1.670481	1.511111	2.227096	2.464453	3.075663	2.683114	5.61694	6.172169
Sstr2	0.197834	0.167344	0.147202	0.190244	0.206978	0.186547	0.304255	0.153089	1.025118	1.108128	1.154746	1.261088
Lrtm2	0.387929	0.334487	1.194373	1.214878	1.509953	1.542775	1.018771	0.878538	0.208608	0.204114	0.188977	0.187554
Gngt2	1.42226	1.061692	0.734656	0.676063	0.533216	0.59304	0.397226	0.531574	0.137532	0.187366	0.052448	0.082206
Khdc3	4.303545	3.073828	1.624246	1.497215	0.826394	0.616662	0.334774	0.334566	0.234451	0.240577	0.390598	0.182075
Tuba4a	73.70396	75.1467	53.51845	47.41534	29.40372	28.66784	20.74399	23.51606	10.19322	9.925451	7.092236	5.785447
Osr2	0.070349	0.098325	0.08412	0.154332	0.420984	0.325787	0.762933	0.924829	0.737763	0.601688	1.762265	1.264178
Ubash3a	4.391453	5.152141	5.450535	5.980442	4.938869	4.838366	4.037859	3.755733	1.900704	2.314138	1.02774	0.731051
C130071C0	0.264144	0.194789	0.553341	0.530205	1.156072	1.33378	2.291161	2.075729	4.694698	4.325065	2.78389	3.464949
Ccdc171	1.206636	1.386889	4.254863	4.372836	4.028874	3.994131	2.617583	2.775775	1.510792	1.794309	0.459353	0.536239
Id4	3.979161	3.185921	0.738297	0.787107	0.800994	0.951287	0.817099	1.016395	2.472148	2.124369	7.004303	6.400391
Gab2	0.174953	0.182392	0.317032	0.332305	0.668229	0.618676	1.011322	1.015962	2.674759	2.699461	2.683155	2.471206
Mest	47.44881	49.51181	75.70185	78.81197	205.7119	209.5556	455.0403	469.148	661.8067	639.7094	489.3141	516.3675

Samd4	0.502069	0.500302	0.733127	0.843351	1.09072	1.046355	1.18927	1.330289	2.179684	2.12678	6.618835	6.763421
Fst	2.000998	2.037449	0.914779	0.886185	1.069218	1.108058	1.324013	1.78484	6.460009	7.086715	3.117696	3.29953
Dchs1	0.138629	0.159467	0.332843	0.388871	0.831558	0.759743	1.325004	1.140022	3.089538	3.104406	2.722308	2.682888
Plxna2	1.207672	1.551944	1.648989	1.803161	2.833862	2.746845	6.481387	5.537757	13.54828	14.37376	9.564867	9.675688
Atp1a3	7.458549	9.751637	8.206151	7.880616	5.851841	5.235905	4.137727	2.996125	1.377949	1.668728	1.125948	0.992779
Cd44	0.226208	0.237725	0.2688	0.309355	0.64606	0.544731	0.940326	1.101969	1.230912	1.089986	2.342936	2.447178
Pax6	1.920291	1.57034	3.950403	3.955803	5.460033	5.833994	9.662897	9.485636	33.60089	31.28339	21.37152	22.48527
Cdc42ep1	1.159379	1.294708	2.24379	2.02461	2.7173	3.045616	5.73455	5.254571	7.610027	6.763193	16.35847	15.95799
Zfhx4	0.085842	0.101967	0.221687	0.21893	0.32656	0.314226	0.505097	0.401988	1.586061	1.723891	1.463725	1.504038
Fgf4	74.63988	70.88407	23.4422	22.25989	13.68706	13.71589	10.25079	10.20867	6.057621	7.496755	2.844562	2.828972
Krt4	0.152043	0.038866	1.090695	0.303078	0.170444	0.191184	0.377823	0.395688	1.712935	1.502249	2.623232	1.348185
Tox2	0.273855	0.328044	0.368135	0.333548	0.53369	0.415855	0.584247	0.4771	1.216632	0.876433	2.883299	2.611607
Atoh8	0.059733	0.071154	0.374697	0.336247	1.078324	1.061052	1.418158	1.154264	1.764491	1.546249	2.621901	2.630681
Cd82	0.365188	0.309676	0.350564	0.218142	0.386463	0.22839	0.427824	0.359725	0.636583	0.510758	2.026779	1.703317
Shisa3	0.900726	0.77719	1.314356	1.458208	5.13482	4.710416	11.65372	11.38325	10.6327	10.4433	7.723736	6.882473
Lhfp	0.669297	0.429564	1.290183	1.12069	2.512394	2.490993	3.060747	2.979217	6.554609	5.646779	9.272009	8.741525
Gbp2	0.888932	0.812579	0.960678	0.64517	0.607894	0.678941	1.42022	1.508837	1.263232	1.125833	5.711764	5.020814
Aass	11.04893	9.998147	3.012002	2.974918	1.323351	1.52059	0.766324	1.063722	0.49833	0.479372	0.384635	0.382417
Bhlhe22	0.138837	0.101876	0.135766	0.153341	0.367171	0.365079	0.414993	0.350382	0.999983	0.802054	1.264935	1.18942
Crc1	0.81427	1.150907	3.835403	3.183347	2.383082	3.1266	2.815712	4.50394	0.657288	0.585258	1.170594	1.010227
Cyp2d22	0.640386	0.601906	0.72996	0.95539	1.308761	1.352358	1.040125	1.522208	0.576201	0.623056	0.233039	0.199226
Glis3	0.161091	0.244885	0.321106	0.274128	0.484959	0.582431	0.859226	0.679866	1.757085	1.528486	2.137952	2.077132
Igsf21	3.391977	3.660101	11.01041	10.73821	10.79744	10.73341	8.642551	9.378154	3.059275	3.011939	1.614311	1.417595
Samd14	0.352744	0.39376	0.837667	0.796113	1.438582	1.377337	1.842211	1.850388	4.316291	3.671765	6.442018	6.025312
Gpc4	9.724853	12.87969	9.081306	8.423745	8.513703	7.959233	13.19373	11.68583	30.93743	30.75571	57.67978	60.03051
Ly6a	4.473706	3.816915	2.800989	2.052411	2.385444	2.590713	2.952989	3.778812	12.5158	14.24604	17.60628	15.47176
Insm1	3.64322	4.090538	3.195079	2.935305	1.299427	1.429893	1.163478	1.23971	6.890597	5.370651	10.04665	9.331957
Lrrn1	1.374485	1.497766	1.181484	1.000641	1.442707	1.295657	2.096933	2.246027	7.687965	7.515664	7.135069	7.482424
Cnn2	25.39434	23.95357	20.81093	20.70931	20.04579	19.03855	22.51369	21.18545	38.01619	34.42291	149.3341	142.5152
Nuak2	2.648973	2.718892	3.943873	3.706358	4.984856	4.438805	7.290854	6.441019	17.33229	17.85621	26.7763	27.69665
BC033916	24.74249	21.61122	25.7066	24.13529	16.42503	18.76048	12.33569	12.48628	5.087692	4.907911	3.799011	3.230569
Capn6	0.394683	0.418674	0.470051	0.543189	1.034117	0.867563	1.244923	1.373281	3.090011	3.331738	4.038201	4.056768
Pard3b	0.045815	0.08064	0.229602	0.203511	0.275996	0.336583	0.442504	0.290406	1.071586	1.023936	1.397593	1.517765
Gata3	0.069091	0.098659	0.385847	0.222424	0.325547	0.3133	0.418433	0.291553	0.950814	0.752829	1.721742	1.658577
Dtx1	3.927286	4.374062	3.106025	2.982344	2.146755	1.940027	1.451095	1.451892	0.874796	0.845474	0.627298	0.400495
Sfrp2	10.34131	12.61867	7.555252	8.08181	9.250854	8.85483	14.48601	13.38391	57.51849	49.29273	61.17634	59.57611
Jun	1.7811	1.933828	3.140666	2.531697	4.283248	4.431622	5.89431	6.319488	10.6431	10.43591	19.48206	18.65588
4930591A1	2.539013	3.111992	6.602509	6.246291	2.488657	2.597514	2.216119	1.84416	0.533393	0.849978	1.182444	1.171332
Hoxc6	0.012837	0.105405	0.404445	0.614645	1.159473	1.150483	2.388972	2.40116	4.446799	4.508763	3.762471	3.156689
C1ca4	2.141826	2.68123	6.533834	6.062085	3.821913	3.775046	3.239922	3.179321	0.963377	0.827463	1.179402	0.974308
Nsg1	0.706446	0.721303	1.05874	0.900852	1.710837	1.485149	2.292825	2.299553	5.389467	4.95259	6.221279	6.574653
Igdcc3	5.344453	7.262683	11.46169	11.66753	29.50133	27.72754	59.04585	53.39532	94.41888	84.81647	77.22407	77.96675
Meis1	0.635478	0.67302	2.552474	2.869211	5.622294	6.109926	11.07859	9.791641	21.52154	20.82055	15.96422	15.76955
Thsd4	0.084862	0.064636	0.3155	0.295306	0.810119	0.686677	1.557988	1.364026	1.862078	1.876551	2.13044	2.134417
Tmtc2	0.178834	0.245436	0.250666	0.328243	0.418662	0.465451	0.79052	0.616124	2.221127	2.362898	1.821212	1.863393
Zic1	0.129382	0.101746	0.491227	0.33194	0.488631	0.462405	0.887204	0.702254	2.440542	2.379652	1.83994	1.800779
Dlk1	0.40706	0.340446	1.324756	1.301436	1.44978	1.572986	1.988843	1.913765	5.450547	5.278836	11.26146	9.315655
Fabp7	1.553669	1.207413	0.201029	0.354395	0.572824	0.58364	0.505592	0.692355	1.882125	1.306473	2.438575	2.534991
Rin1	0.748538	0.796927	0.606861	0.587251	0.539704	0.483155	0.523023	0.538702	0.53358	0.411554	2.71317	2.935362
Emilin2	0.387217	0.281869	0.881466	0.768956	1.283058	1.272245	2.038435	1.989754	5.424703	5.059978	5.175069	5.475565
Nrg1	1.189357	1.16809	0.884803	0.853945	1.207346	0.897838	1.507467	1.158863	2.903818	3.319677	5.943226	6.04826
Krt18	5.5762	5.681514	7.059624	6.415528	7.684906	7.017553	9.983867	9.942518	16.17529	15.19575	54.40591	44.9266
Bcl2	0.13736	0.081944	0.197997	0.182441	0.322204	0.326545	0.411864	0.306321	0.686078	0.557652	1.067596	1.277165
1700018B0	0.72579	0.709242	1.167966	1.43438	1.041539	0.82275	0.71988	0.432353	0.181786	0.206642	0.428572	0.335637
Il6ra	0.320501	0.309155	0.390193	0.271237	0.391383	0.345414	0.604335	0.897246	0.788377	1.011604	1.853729	1.881058
Gm8994	2.39521	2.324556	9.431046	8.738318	23.61843	22.48258	48.63029	60.5177	54.89402	53.4649	61.49481	46.32276
Chrn4	0.364853	0.46789	0.892071	0.872696	1.485109	1.320605	3.830343	3.119095	6.45409	6.04155	4.363319	4.186486
Hspa1a	0.258141	0.298838	0.742087	0.737397	2.062372	1.68174	4.532274	5.102147	3.064301	2.995953	2.732715	2.021259
Tmem125	1.145131	1.215861	4.458404	3.621185	2.462774	2.875841	1.407795	1.483454	0.394105	0.524276	1.015007	0.706849
Fam107b	3.047227	3.117358	4.859205	4.326694	5.768745	5.352641	7.373392	7.038974	9.422303	9.475818	28.36105	29.85822
Olf1815	0.063435	0.022753	0.257744	0.213319	0.57242	0.855121	1.344105	1.379893	1.22727	1.471679	1.139449	1.237621

Foxc1	0.015402	0.027136	0.419494	0.323094	0.504496	0.367221	0.721182	0.533524	1.419577	1.292222	2.260384	2.22427
Akr1c13	0.329295	0.225109	0.379308	0.359121	0.427859	0.605118	1.394182	1.147765	2.354303	1.94666	2.060874	2.470485
Cpe	3.891011	3.631919	5.047222	5.303252	8.99783	9.632934	13.29677	14.77649	30.20183	28.55956	34.14559	36.44842
Tmem92	0.591663	0.573037	2.210719	2.297607	5.523155	5.782892	13.5158	15.73706	15.21507	15.30581	14.39444	13.12968
AF067061	0.394512	0.416054	0.826058	0.804818	2.642286	2.50827	4.154436	5.509079	4.419142	3.611906	5.537428	5.005741
Lrrc4	0.590309	0.744604	1.082521	1.196788	1.125172	1.19915	1.259302	1.439072	4.045015	4.10653	8.28115	8.190168
Pde10a	0.109732	0.128916	0.53859	0.545165	1.37521	1.429277	2.332645	2.313899	3.88061	3.683169	3.1214	3.727236
Gstm3	1.292271	1.802105	1.004751	1.202047	0.79912	1.06847	0.565431	0.857979	0.163432	0.35232	0.229452	0.176111
Rgs11	1.729126	1.727158	0.840594	1.140003	1.25915	0.790147	0.582539	0.624201	0.351044	0.213413	0.237472	0.167086
Col5a3	0.721524	1.109636	0.503683	0.418912	0.510063	0.335231	0.518319	0.536149	0.263418	0.262073	2.103638	1.786034
Fgf17	8.374773	8.515209	1.661426	1.707156	0.596891	0.460262	0.513006	0.694533	0.244408	0.251432	0.526216	0.352526
B020004J0	0.101438	0.204322	0.465976	0.509081	1.18321	1.203784	2.596685	3.320543	2.961567	3.456176	3.052278	2.746759
Ano9	7.946877	8.263613	5.930781	6.056447	4.714745	4.434637	2.615314	3.267626	1.790612	1.8803	0.805136	0.892289
Prss35	1.140436	0.948263	0.71729	0.793832	0.970012	0.72691	1.012425	0.884541	1.887348	1.716888	4.297832	4.929808
Rbm24	0.125384	0.163953	0.222755	0.186251	0.357157	0.204643	0.347054	0.30613	1.311974	1.257173	0.873035	0.846067
Zscan4f	3.342168	2.90271	11.34424	10.98944	28.57861	26.92375	60.83024	74.15991	61.59283	60.07281	51.05257	44.32238
Lix1	0.659772	0.757181	0.37416	0.307455	0.645662	0.445149	1.067303	0.736999	2.054497	2.047787	1.979831	2.06726
Pou4f2	3.364092	3.710346	0.876124	0.606416	0.446842	0.306195	0.332146	0.160904	0.110393	0.09032	0.142945	0.133914
Foxf1	0.176013	0.130577	0.11915	0.182975	0.458956	0.34063	0.667929	0.64042	0.401274	0.531901	1.282787	1.228125
Rnf217	0.245265	0.281867	0.26031	0.301146	0.552092	0.508445	0.726297	0.748988	1.434384	1.499314	2.016929	2.011626
Gm11627	8.542037	6.412412	7.040479	6.91716	3.914735	4.970418	3.230252	3.208505	1.44295	1.063879	1.28875	1.042964
Scara3	0.153903	0.098967	0.460094	0.508898	1.62597	1.564447	3.292525	2.890481	3.724931	3.358489	3.243154	3.31836
Hoxb1	0.406747	0.397468	24.91409	27.77148	62.39087	59.54038	87.80173	80.07397	23.93046	24.61603	13.85017	12.13606
Tdpz4	0.198825	0.210537	0.861763	0.556886	1.140269	1.163311	2.87526	2.189657	2.573059	3.295069	4.706248	3.67262
Dpysl5	3.205286	3.785949	3.396906	3.219224	4.756977	4.483672	5.797915	5.796315	19.49805	19.74618	21.09893	21.22764
Unc5a	0.257477	0.311707	0.404412	0.37244	0.62983	0.487216	0.539916	0.457526	1.314113	1.256831	2.499921	2.450791
Gm10863	4.876924	4.724225	5.242604	3.024674	1.646616	2.247564	1.261403	0.932163	0.702302	0.819224	0.592054	0.460348
Folr4	0.156338	0.097705	1.510651	1.839021	3.307625	2.938126	5.108375	4.392655	1.692345	1.86101	0.948516	0.668553
Slc25a24	1.62679	1.623949	2.553252	2.580085	4.638207	4.271023	6.487672	6.898245	9.277349	9.38254	17.12013	16.94549
S100a13	3.328681	2.815618	1.571003	0.987187	1.859367	1.87542	2.559269	2.228645	5.445732	4.472104	6.32696	6.475615
Mfsd2a	0.21571	0.372824	0.741195	0.48199	0.842056	0.76196	1.115277	1.02406	2.59414	2.710272	2.649354	3.15542
Pla2g5	2.270074	2.15719	3.41831	3.221707	2.287285	2.336221	1.507762	1.474194	0.609258	0.769009	0.586044	0.493378
Glipr1	0.954808	0.723052	1.264805	0.889177	1.091109	0.788944	0.551156	1.030046	1.997183	2.230277	4.098889	5.149912
Havcr1	0.069433	0.144682	0.121795	0.1753	0.178908	0.253779	0.410504	0.392483	1.109084	0.822202	0.910268	1.142165
Nlrp4a	1.13637	1.391689	0.496953	0.602523	0.269608	0.258079	0.246752	0.264102	0.202405	0.380251	0.131441	0.09252
Limch1	0.857797	0.634791	0.739	0.602558	1.095095	1.027742	1.629786	1.659082	3.833707	3.664316	4.270593	3.91524
Kcnp2	1.353336	1.496696	0.940471	1.043355	0.834479	0.799415	0.693113	0.707371	0.252801	0.439887	0.170323	0.161185
Pxdc1	2.106367	1.645665	0.551	0.936139	0.894567	1.237176	1.519951	1.826591	2.610807	2.171994	6.392379	6.042147
Anxa3	2.145883	1.818102	5.390637	5.124605	6.838083	6.776463	9.843002	10.09535	9.996571	9.118165	32.20938	32.90873
Hpca	0.96321	0.85325	4.152926	3.918931	2.417344	2.950101	1.972081	2.111818	0.77959	0.837237	0.94117	0.611663
Tmem132c	0.208532	0.222918	0.389421	0.362564	0.588995	0.413035	0.722894	0.675529	2.243525	2.322729	1.875779	1.84998
Peg3	6.507331	8.336508	11.31151	11.46278	10.79941	10.01099	15.71819	13.97819	61.41254	64.01536	55.67365	61.48359
Itgb7	3.793728	4.398928	2.808162	2.812865	1.468511	1.448943	0.970432	1.086671	0.640944	0.623422	0.607214	0.440093
Zscan4d	2.68255	1.834523	10.17168	10.73262	24.09384	24.40475	59.39077	68.15524	54.50689	54.45804	48.35091	43.01444
Amer2	0.170711	0.069612	0.143507	0.167424	0.30456	0.218895	0.443356	0.310378	1.218005	0.905798	1.049334	1.057932
S1pr3	0.355567	0.402768	0.206774	0.245274	0.265199	0.237281	0.296742	0.219494	0.462219	0.717041	1.283348	1.385674
Cybrd1	0.128406	0.102263	0.24592	0.259003	0.354722	0.313359	0.492427	0.4038	2.102299	1.57306	1.549453	1.635036
Dkk1	0.489803	0.40023	0.474237	0.263234	0.448596	0.366184	0.812315	1.042778	1.416473	1.189988	1.722452	1.66043
Hoxb9	0.383418	0.329086	10.52468	9.750312	26.36447	24.97231	48.49363	44.1177	54.85507	50.4686	58.36367	61.42012
Mecom	0.081419	0.093254	0.547464	0.54205	1.150216	1.29129	1.885646	1.893786	3.301672	3.404516	2.272402	2.185228
Gm5039	4.172002	3.859664	16.08119	14.32594	38.48989	36.90168	71.64282	89.5323	66.55403	73.91351	61.54255	52.13614
Slc35f1	0.437011	0.337559	0.29377	0.397882	0.599669	0.554251	0.989797	0.739857	1.978376	1.9473	1.935494	2.485457
Scg3	0.295806	0.433958	0.397093	0.353839	0.411818	0.31446	0.515349	0.479299	0.960697	0.759736	2.508952	1.962627
Fam84b	0.528735	0.555247	0.4305	0.449891	0.4596	0.405572	0.882947	0.741115	2.390682	2.483389	2.552097	2.527394
Ndufa4l2	7.288961	6.370732	2.371236	3.414442	4.907781	3.793861	2.43425	3.173293	1.454785	1.684976	0.439165	0.60912
Myh14	1.939709	2.458652	3.21928	2.842853	2.68332	2.310164	2.198014	1.947086	0.937456	1.016609	0.557277	0.457898
Gm7104	0.066531	0.028452	0.533907	0.373425	0.927168	1.184814	1.847714	2.311	1.843654	1.85851	2.120509	1.562366
Oas3	0.985741	0.914285	1.431947	1.673522	1.386438	1.368344	1.010882	1.052524	0.545111	0.499338	0.280271	0.270563
Zbbx	1.061086	1.232183	2.694749	3.299555	1.796472	1.832644	1.52161	1.728782	0.588248	0.533528	0.792492	0.612391
Hoxc4	0.190187	0.239188	3.771462	3.970987	10.35297	11.57103	22.27782	21.16863	27.1682	24.55285	18.80838	16.81447
2210417A0	1.318757	1.235452	2.177939	2.048558	1.390235	1.489978	0.929405	0.340852	0.422661	0.331611	0.571575	0.415258

Cyp11a1	0.591175	0.491819	2.395458	2.14795	2.296343	2.190945	2.063716	1.962449	0.700228	0.673255	0.730495	0.356096
Slc24a1	0.796419	0.911977	1.011131	0.958283	1.093149	1.134703	0.927724	1.033899	0.608306	0.755933	0.180836	0.184831
Scarf2	0.519303	0.429271	1.165772	1.442275	1.77503	1.576273	2.163466	2.086451	2.95202	3.073054	10.44985	8.84789
Slco5a1	0.44081	0.615797	0.440616	0.482994	0.664811	0.672551	0.961663	0.754588	1.282276	1.332947	2.835044	2.960222
Cpb2	0.136832	0.087512	0.314	0.386925	0.656808	0.710898	1.523469	1.813594	2.354503	2.361913	2.370174	2.049244
Zfp352	0.097473	0.083536	0.455128	0.435329	0.957428	0.706027	1.90334	2.20333	2.174777	2.18183	2.934538	2.653586
Cmtm3	2.580152	2.984941	3.468854	3.608529	5.971461	6.113683	9.24916	9.483625	17.25167	15.19837	21.68778	21.98311
Gm4027	0.348484	0.205544	1.357199	1.315003	3.103954	3.021904	7.385085	8.005406	6.512327	6.309295	5.481111	4.78566
Zyx	9.61674	11.32898	10.07863	10.58643	12.45824	11.71398	15.36806	12.73661	20.07629	17.72063	65.26339	64.42834
Peg12	4.229686	3.540943	5.570792	5.731925	10.45015	9.887144	13.18875	13.68732	27.13951	26.5244	35.29793	34.81975
Hmx3	0.055334	0.1	0.219433	0.406944	0.482696	0.549834	0.696908	0.707671	1.215168	1.357814	2.606108	2.471381
C430002E0	11.1019	10.25962	26.86989	25.43687	14.31929	15.15237	10.86342	9.316379	5.152167	4.995899	4.841667	4.189101
Slc47a1	2.395669	2.465948	4.370624	4.514444	3.600677	4.158001	3.252658	2.902716	1.666557	1.564135	0.860867	0.7435
Scg5	0.700307	1.002667	0.448164	0.625589	0.582695	1.066638	1.005607	0.969931	2.886082	2.779818	3.144914	3.79518
Ednra	0.167034	0.152397	0.204029	0.251067	0.600071	0.506092	0.921869	1.047237	1.452436	1.522922	0.615376	0.618871
Zp3	1.049822	1.333077	1.092299	1.182668	0.731276	0.668199	0.472287	0.779347	0.418562	0.521423	0.501264	0.195338
Gm20767	0.315072	0.503702	1.06571	1.199946	2.763553	2.604688	8.204327	7.259804	6.102904	6.678062	8.380529	6.740806
Tnnt3	0.13166	0.038397	0.772372	0.648709	0.447102	0.477452	1.454874	0.738406	2.764064	2.840012	4.024649	2.888607
F3	7.163234	6.658562	7.572501	6.63759	6.454024	6.67672	6.932365	7.12	11.05345	10.40164	35.24613	40.15667
Sema6d	0.222353	0.210464	0.232858	0.278685	0.321824	0.366278	0.561438	0.458198	1.523677	1.497117	1.713912	1.683822
Zscan4c	3.541396	3.280408	14.16441	12.6021	28.10488	29.11523	65.92883	75.89655	64.76474	65.24183	55.10448	48.40923
Dnajc22	4.237627	3.875998	5.851912	5.594287	5.485523	4.759531	4.150734	4.075399	1.940319	1.96832	0.904989	0.928923
Wnt5b	0.381539	0.451422	0.852217	0.73083	1.918902	1.740043	2.460637	2.767352	4.698164	4.398494	2.620045	2.234063
Fam69c	0.496226	0.48303	0.64547	0.577334	1.057822	0.945673	0.90013	1.219023	0.732209	0.800064	0.248866	0.202833
Tet1	32.68842	45.46316	27.80643	28.81946	14.48744	14.78091	11.5827	9.080519	6.919261	7.627658	4.778567	4.806705
Prdm1	2.325119	2.880129	1.290721	1.546468	0.911169	0.686855	0.879195	0.825344	3.815658	4.107082	2.747549	2.621982
Smpd3	0.285944	0.420301	0.32874	0.308781	0.222971	0.306443	0.241399	0.309534	0.523924	0.455125	1.875563	1.827827
Gpc6	0.756011	0.913626	0.81658	0.950005	1.754511	1.66578	2.60866	2.24962	5.363765	5.531983	5.278481	5.664322
Ptfr	8.070527	8.648225	11.35748	9.992732	10.81105	9.78712	9.940773	9.411008	6.146162	6.373726	44.61487	37.97036
Dsp	2.819523	4.002563	6.976223	7.049733	10.07555	9.553713	17.74179	15.5765	35.45609	35.82708	42.98949	41.99659
Slit3	0.888151	0.988176	0.627444	0.54573	0.762222	0.817349	1.069539	1.08472	2.195648	2.086116	3.190397	3.238829
Pdzd4	31.48151	31.79544	12.79772	12.11537	7.30128	6.656141	4.038946	4.474213	2.808449	2.926443	1.969269	2.042285
Gm11545	1.610948	1.470709	1.51189	2.279762	4.78577	5.207183	9.705399	10.37325	13.9538	13.49547	12.03449	12.29192
Tmem40	2.958238	2.869104	2.086166	2.328917	1.373464	1.303132	0.998049	1.20636	0.573523	0.394171	0.726705	0.519947
Artn	0.500334	0.767409	0.560029	0.41381	0.583246	0.522501	0.437903	0.731962	0.642442	0.539965	3.051453	2.433305
Airn	0.219574	0.249775	0.368935	0.283673	0.526647	0.466266	0.899195	0.715788	1.347873	1.667929	1.669088	1.545741
Pfkfb3	4.030149	3.751321	2.023864	2.67511	3.625185	3.430628	3.494382	4.306006	5.951451	5.813565	14.66091	15.72584
Filip1l	0.32153	0.421789	0.347581	0.516797	0.397839	0.517077	0.452685	0.494778	1.316052	1.377599	2.563574	2.895914
Mycl	6.106194	6.276108	3.841583	4.570944	6.035202	6.473406	10.77405	11.24489	27.06752	26.69074	17.18876	17.61719
Zscan4e	3.106333	3.314637	12.87165	12.59228	31.40556	31.02634	76.96574	73.34901	61.70512	63.10735	54.62754	48.30009
Actn3	16.33118	15.92362	33.47165	13.09497	27.86412	24.80049	21.05768	23.80783	9.697331	10.58346	5.72168	5.341956
Fgfbp1	9.56324	9.475336	4.18898	3.836696	3.523992	2.700878	4.489935	5.239042	5.599159	5.847294	16.98507	15.66424
Tspan12	0.508112	0.424493	0.675384	0.834882	1.988988	1.796379	2.445252	2.578631	4.560963	4.838558	3.637607	3.968559
Nos1ap	0.352639	0.446909	0.702882	0.77892	1.166969	1.115636	2.15215	1.772953	4.293465	4.509994	4.221731	3.605821
Lgals3	14.4557	12.37167	5.183616	5.491566	3.120969	3.359534	1.531816	1.981695	1.112367	0.948537	4.027785	3.363616
Gm2022	0.926046	1.451975	4.130592	4.211487	8.847021	10.61547	17.38564	24.34934	18.45213	23.11406	19.06705	17.2304
4933413J0	0.33932	0.375413	2.303871	2.443014	1.569521	1.520898	0.880183	1.1485	0.608379	0.64201	0.37983	0.423065
Krt19	2.802813	2.470646	1.489029	1.543626	1.509465	1.402824	2.155792	1.724804	3.611301	3.604931	9.972411	8.09781
Pdlim3	0.766365	0.804027	0.926585	0.935448	2.183389	2.105809	3.470044	4.900551	4.416838	4.992137	6.570165	5.395558
Spon1	0.464456	0.456775	0.299253	0.349972	0.40883	0.403037	0.464178	0.266247	1.198684	1.217802	1.635611	1.533979
Ptprd	0.232369	0.252341	0.322546	0.35839	0.49209	0.415392	0.682632	0.620223	2.028354	1.981217	1.990401	2.057825
Tpm1	44.20798	40.799	46.32952	45.75477	50.64915	49.00021	54.34727	56.98649	90.07889	86.39365	264.6796	262.3777
Fam149a	0.368285	0.365667	0.716323	0.616517	1.395413	1.282073	1.997097	2.039563	3.052021	3.107654	3.237885	3.533288
Tmem238	5.305393	5.027811	5.825159	6.779413	4.747054	4.906101	3.131628	3.365176	1.37631	1.183117	1.325046	2.047644
Sftpb	7.127468	1.173935	0.253185	0.984955	0.73123	0.642173	1.132182	1.391792	0.089373	0.499117	0.22019	0.243026
Cdh10	0.604449	0.662234	0.29042	0.183975	0.241266	0.471267	0.431387	0.510372	1.042208	1.053499	0.847398	0.939108
Zscan4b	1.055437	1.039886	3.97728	3.717289	8.865969	9.092729	21.51163	21.26922	18.74999	18.5587	16.74984	14.54779
Gm1322	0.716339	0.514645	2.500802	1.955878	1.829756	1.281827	1.408547	1.398024	0.279909	0.351946	0.509225	0.342099
Tm4sf5	1.390862	1.160564	2.01633	1.719075	1.348071	1.320979	0.914244	0.984209	0.681188	0.301301	0.386758	0.338769
Tnnt1	3.312704	3.694624	8.517703	8.733255	6.142127	7.27	4.672213	3.894527	2.173796	1.639688	1.637049	1.530826
AF067063	0.170573	0.071785	0.202309	0.22369	0.30744	0.635803	1.044906	1.191536	1.332579	1.270106	0.723763	1.267366



Lrmp	5.845546	5.81716	5.181065	4.637606	2.960705	2.291681	1.626575	1.980584	0.80661	1.065907	0.75442	0.818026
Lhx1	0.052551	0.027411	0.185101	0.155184	0.361514	0.319464	0.822279	0.767714	0.598557	0.592713	1.221027	0.879451
Trim43a	0.081535	0.17197	0.296959	0.288693	0.274592	0.315936	0.398128	0.82804	1.449273	1.584066	1.971877	1.635437
Rgl1	0.605038	0.667122	0.863123	0.652368	1.321847	1.295798	1.680565	1.665935	3.211473	3.362255	3.431312	3.686013
Mcf2	11.26353	11.58745	3.439942	3.76346	2.483443	2.372713	2.124907	2.394912	1.509014	1.680703	0.795445	0.666675
Vopp1	1.014569	0.918217	1.149768	1.180777	2.329689	2.294167	3.410443	3.451215	6.882555	6.456389	6.301192	6.662773
Pmp22	1.439008	1.121355	5.891276	5.133826	9.175518	8.406658	14.44651	11.96114	20.9764	17.52607	26.55451	28.94401
Capsl	8.665187	8.536182	9.535113	7.995962	5.747386	5.918817	3.70868	4.16156	1.624773	1.651238	1.182301	1.419269
Cacng8	1.783807	2.200107	3.453882	3.760416	2.973371	3.751232	3.448243	2.915296	1.669528	1.530855	0.822449	0.668039
Glod5	4.10151	2.861355	0.611248	0.759009	0.360067	0.134848	0.201016	0.626752	0.557068	0.412378	0.289353	0.391398
Kcne1l	0.392596	0.206762	0.299755	0.349399	0.836015	0.564062	1.255982	0.971968	1.536406	1.175498	1.986161	1.966067
Lpp	2.228969	3.267484	4.553975	4.863622	4.560498	4.571609	5.970253	3.929803	6.449338	6.49525	20.89689	22.09941
1110032F0	0.203706	0.263576	0.250511	0.204774	0.476504	0.437137	0.446345	0.618107	0.953721	1.151063	0.959003	1.117381
Tmem59l	0.924809	0.954578	2.716792	2.880716	2.242179	2.514083	1.373117	2.055574	0.795095	0.513641	0.553546	0.704357
Nrp2	1.178433	1.136078	0.839193	0.92823	0.973464	0.917842	1.267761	1.254808	4.791238	5.147336	5.494134	5.106295
Col13a1	1.701531	1.889919	3.589469	3.431956	5.82483	5.505409	4.603003	5.335912	1.382238	1.521523	1.050262	0.984759
Tchh	0.052087	0.072576	2.921338	3.053406	2.070988	2.296816	1.754509	1.867279	0.667612	0.546389	1.428242	1.303168
Utf1	248.0913	281.3352	151.2642	132.3069	74.70037	73.51936	43.41451	47.8602	26.75963	24.3463	26.08193	23.68262
Ahnak	3.664089	4.951147	3.992483	4.188439	2.999764	3.196121	3.154755	2.478137	2.959758	3.357761	12.89106	13.84311
Sh3pxd2b	2.454499	2.852722	3.501506	3.692322	5.654274	5.613692	8.325273	7.049346	13.96404	14.40944	21.06497	20.57023
Nrarp	2.413223	2.293603	1.928352	1.629584	1.895929	2.318527	1.817966	1.942207	8.606391	9.036154	7.373141	6.740898
Mfap3l	1.324422	1.314152	0.638591	0.608317	0.603911	0.740281	0.889107	0.86558	1.182656	1.171518	3.236552	3.371112
Prkcdp	0.487518	0.741037	1.256205	1.3106	1.401653	1.640261	1.633861	1.766006	1.203822	0.984411	5.645207	5.454772
Stbd1	0.852784	0.642425	0.900892	1.045307	1.896034	1.904214	2.351037	3.211045	2.624921	2.563425	5.312562	5.790956
Bspry	3.404317	3.324299	2.892729	3.138268	2.312266	1.865585	1.528294	1.297658	0.707444	0.56716	0.799298	0.741056
Clu	6.613188	6.602643	18.24136	18.57116	29.54626	28.8059	58.22122	62.36868	77.233	69.45865	111.1204	102.6345
Spats2l	1.307878	1.205209	1.224938	1.03446	2.313392	2.265159	3.133979	3.02984	5.677359	5.709987	4.16657	4.652679
Rgmb	2.09122	2.499029	2.638192	2.460139	3.328056	3.413975	6.699035	5.517963	14.86467	13.57143	13.64254	13.51423
4930461G1	9.504935	8.123043	5.02255	4.60976	2.892089	3.250688	2.724161	3.845505	2.962895	2.302499	0.843784	0.836506
Sox17	1.45451	1.256653	1.009196	0.871415	1.21589	1.303214	2.164727	2.395762	4.481528	3.545229	5.282368	4.794325
Echdc3	0.228893	0.241002	0.292481	0.21602	0.52235	0.580731	0.826228	0.886196	0.617463	0.711117	1.24551	1.187516
Ier5	1.145119	1.145836	1.800918	1.700656	3.086462	3.464026	4.864778	5.050086	4.805883	4.596929	9.835213	9.336567
Errfi1	6.252338	6.297703	8.444482	8.919373	10.83562	9.893954	11.51833	10.33448	18.88066	18.32891	47.01539	48.95724
Vgll3	0.303195	0.344232	0.524196	0.540592	0.418172	0.462877	0.495003	0.564324	0.645516	0.521517	2.355728	2.534991
AA543401	0.828542	0.94938	3.041789	2.681715	2.506056	1.960449	1.807929	2.25287	0.494544	0.492038	0.694049	0.506184
Hif3a	1.593256	1.910413	1.651015	1.950548	1.560226	1.414841	1.357911	1.200594	0.915847	1.149353	0.488739	0.358226
Frem2	1.948991	2.808323	4.149287	4.508614	3.996584	3.807812	4.530577	3.283391	1.687834	1.906723	0.928496	0.829356
Pkd2l1	0.051284	0.101621	0.276018	0.248208	0.44533	0.473635	0.388904	0.424978	1.025115	1.295845	1.276623	1.347562
Foxa2	0.48259	0.348517	0.542873	0.460999	0.577649	0.686374	0.877612	0.925008	2.53672	2.401436	3.136816	2.501112
Vsig2	2.359958	2.549299	1.424598	1.698248	1.067761	1.329963	0.720027	1.20172	0.65557	0.376151	0.371926	0.313094
Mxsl	0.218238	0.243629	0.811816	0.879293	1.884138	1.69808	3.591382	4.626157	5.712412	4.762455	1.974544	2.449665
Peg10	61.19212	81.299	129.3332	144.1433	212.4274	207.6161	391.1575	319.88	751.8877	779.6676	442.4306	466.0411
Esrp1	5.364271	6.030308	2.578795	3.031728	1.813505	1.936801	1.002735	1.128012	0.576147	0.578671	0.568491	0.56109
Pianp	3.405508	4.075721	5.190276	5.420307	4.107265	3.538948	2.889546	2.853685	1.425113	1.423714	1.286873	1.003784
Sox11	7.5763	8.55121	4.505485	5.284176	6.657059	6.893821	10.1621	8.441828	27.89263	28.4121	28.10068	28.53291
Tmprss12	1.149735	1.200575	0.818444	0.893172	0.492828	0.446842	0.346873	0.277937	0.409753	0.452607	0.17822	0.165488
Epha7	0.741582	0.807922	1.586415	1.401988	1.397119	1.430084	1.55184	1.632637	5.040081	5.365204	7.387657	7.564858
Cyp26b1	0.152725	0.103392	1.152079	1.369893	2.846439	2.862893	6.155245	5.277603	7.918258	6.320027	6.683652	7.390776
Slc7a7	43.66179	43.66082	28.74747	26.76668	23.71369	24.27256	21.21218	19.95462	5.293461	4.963999	5.923023	5.55519
Col26a1	0.515226	0.601069	0.59551	0.607266	0.941388	0.99191	1.089805	1.247093	2.794748	2.517588	3.642164	3.270035
Rasgrp4	2.001628	2.235649	2.619436	2.50567	2.201076	2.409809	1.618222	1.734316	0.733036	0.856223	0.53443	0.465366
Crb2	0.297595	0.384934	0.528845	0.513888	0.710681	0.631254	0.998773	0.838488	2.318139	1.85125	2.681456	2.76665
Bcl6b	1.652588	1.716029	3.291502	3.795691	3.2065	3.125152	2.699136	2.548033	0.873332	0.784999	0.661459	0.705249
Eml1	1.779329	1.776416	2.187166	2.329906	4.280063	4.271021	6.595646	6.216719	12.59857	12.5366	12.12222	12.53947
Spata31d1l	0.867071	1.224951	0.857353	1.027491	0.582882	0.501456	0.426143	0.481699	0.24833	0.277817	0.077502	0.191066
BB287469	0.141481	0.137786	0.692051	0.466101	1.131212	1.215343	1.777108	2.02559	2.232397	2.506036	1.992197	1.890984
Tnfaip3	0.285943	0.325054	0.428074	0.491253	0.467589	0.515664	0.451341	0.385582	0.374456	0.465898	2.083924	2.06766
Rhbg	0.530895	0.723464	1.067363	0.942026	0.790858	0.83099	0.683668	0.798458	0.418912	0.415491	0.341774	0.176179
Aadat	0.237554	0.226302	0.259844	0.219129	0.373156	0.674651	0.689136	0.552926	1.22855	1.118049	1.391984	1.169981
Nell2	0.622828	0.653477	0.923241	1.036252	1.160412	1.190466	1.623885	1.698688	3.900805	3.51274	4.249518	5.524576
Gm7325	76.27105	66.53032	39.39898	37.0455	30.56328	32.46725	23.11056	25.57887	14.54357	13.82512	6.14524	6.994995

Tmem54	1.532944	0.937575	1.265662	1.071146	1.416535	1.458245	0.908636	0.527584	0.388666	0.303091	0.272015	0.275443
Cysltr2	0.714915	0.953172	3.582741	3.383932	1.944784	2.142739	2.250763	1.664536	0.759923	0.6413	0.582006	0.81176
Dbn1	9.675192	10.84782	11.95002	11.97043	18.62573	19.00358	29.41978	30.05706	52.62094	47.52696	68.10543	63.14552
Notch4	4.203111	4.742261	2.115909	2.14273	1.246605	1.367093	0.903166	0.874625	0.459665	0.472174	0.443945	0.406254
A9300110i	2.299594	2.306072	1.103894	1.254474	0.682427	0.734572	0.357421	0.479751	0.196058	0.238676	0.163332	0.247092
Fzd3	2.13423	2.083424	3.44249	3.466889	4.500706	4.534773	6.007994	4.881754	14.07316	16.15533	16.16184	18.14181
Gm16880	7.791377	9.217745	3.213623	3.009652	2.30588	2.201367	1.254565	1.130375	0.837465	0.75148	0.33878	0.575752
Cited1	0.646043	0.545681	0.608142	0.610795	1.479139	1.447312	2.101705	1.891883	2.894399	2.256923	3.309895	3.181672
Tpm4	52.24113	48.55099	36.94756	37.34581	52.13647	48.65608	62.94845	66.33631	119.6813	118.17	186.9071	194.3098
BC147527	0.399909	0.545308	0.647032	0.930122	2.676352	2.215066	4.505214	4.091571	5.016508	4.838048	6.223487	4.620482
Slc7a3	68.17158	63.65339	26.12825	24.30065	14.6536	14.54286	9.072244	9.390461	5.265422	4.682508	8.603626	8.944831
Ackr3	1.281637	1.134311	1.575109	1.396374	2.261821	1.924809	2.502069	3.058211	5.920114	5.804466	6.929451	7.240642
Csrp1	20.67993	18.14447	27.91147	25.29476	28.89185	27.73174	32.38698	30.35593	33.87128	33.18027	138.2478	131.12
Nlrp9b	1.596081	1.741302	2.319355	2.343065	1.443121	1.477328	0.967862	1.050518	0.394134	0.629155	0.359608	0.452208
Lfng	1.138945	1.438986	1.661622	1.925222	2.276381	2.237813	3.99015	3.470876	6.483874	5.667974	9.747333	9.970315
Flnc	2.916968	3.813843	6.574285	5.907847	6.257771	5.871571	7.870919	6.140887	4.785901	5.100362	28.99259	26.40559
Vstm2b	0.375644	0.333672	1.127355	0.837615	2.509489	2.123296	3.935376	4.328211	4.588428	4.25956	3.452155	2.925966
Dnaic1	1.027956	1.203354	1.403683	1.310827	1.195546	1.085608	1.08829	1.792526	0.362334	0.409883	0.192029	0.346908
Fgfbp3	1.90964	1.675703	1.167962	0.844894	2.059282	1.857817	2.447483	2.618421	5.123917	4.361691	2.533712	2.839297
Nexn	2.163604	2.020949	1.658905	2.078469	2.036289	1.955374	1.802145	2.048835	4.472928	4.536248	9.273054	10.09112
Zfp361i	12.83094	15.39696	10.59502	9.693979	12.49655	12.52493	20.05403	19.7269	45.09565	40.40427	53.04479	50.02518
Irx1	0.246609	0.159466	0.4985	0.343379	0.661674	0.716553	0.988294	0.790006	1.920562	1.54118	1.977817	1.77124
Adra2a	0.090109	0.111184	0.190659	0.241505	0.360361	0.292474	0.674815	0.505538	1.351921	1.244828	1.314214	1.23379
Glipr2	18.11493	15.97356	13.9517	15.06957	17.46626	17.99364	21.62561	22.96891	27.36414	26.20857	75.94645	77.5704
Plekho1	6.3148	4.910684	4.942822	4.599685	8.137375	7.97728	11.15612	12.0869	18.8995	17.58481	22.45182	23.59895
Lats2	1.002395	1.258164	2.202057	2.390149	3.172565	3.061058	3.897507	3.819067	7.282545	7.76309	11.88456	12.25535
Penk	0.958917	0.627476	0.529545	0.621714	0.890249	1.22884	1.580993	1.617222	2.716433	2.633513	3.863426	3.177938
Pde5a	1.956204	2.052746	2.270506	2.724436	3.838154	3.884104	6.954951	5.753897	12.99065	13.89681	10.26544	10.80767
Has2	1.3315	1.692917	0.691195	0.895577	1.060333	0.972608	1.450365	1.924681	2.577123	2.506719	0.431002	0.492147
D930048N	6.823794	7.642461	5.518944	5.243944	3.809852	3.841323	2.238242	3.036922	1.604946	1.434951	0.772596	1.029803
Camk2d	1.257142	1.114057	1.540408	1.619863	2.106858	2.397695	2.595908	2.808682	6.163072	6.839036	7.805418	8.239666
Lpar3	0.299297	0.186063	0.264934	0.429411	0.621942	0.56291	0.92022	0.751677	1.144269	1.175523	1.930915	2.181251
Pecam1	17.48559	19.46475	26.24617	24.34776	13.49871	11.98039	7.314722	9.002949	6.890932	8.111662	4.789406	4.794452
Lemd1	2.361704	2.843667	1.501023	1.618938	0.966398	0.967204	0.554213	0.551273	0.578991	0.536292	0.401247	0.318958
Cacna1s	0.186968	0.206577	0.591588	0.507025	1.324838	1.135953	2.029372	2.1293	2.281209	2.075887	2.985119	2.565903
Tgm1	1.845638	2.207209	8.242475	6.849541	3.276506	3.622288	3.02644	2.448526	1.384752	1.353971	2.191473	2.054399
Speer7-ps1	0.018482	0.1	0.348345	0.243725	0.428067	0.722741	1.480309	0.865505	1.209212	1.231875	1.101019	0.732126
Tuft1	1.37851	1.310744	1.092859	1.246071	1.309151	1.074183	1.332961	1.246939	1.988403	1.88131	5.713136	5.426859
Nefm	0.317969	0.373167	0.452933	0.438053	0.498573	0.550716	0.447226	0.573103	0.540969	0.496637	2.379151	2.212743
Klk13	1.188183	1.476011	0.97802	1.644344	1.403583	1.107622	0.739875	1.088877	0.346276	0.784834	0.369154	0.325537
A230050P2	7.652426	8.267003	6.765473	6.460893	5.037503	4.841934	2.899156	3.343478	1.796957	1.965644	1.148896	1.280489
Prickle1	2.438521	3.051323	1.93547	2.095462	2.600208	2.793566	4.163689	3.901821	6.463505	6.249938	10.09745	10.56669
Inpp5d	30.27164	33.20206	36.12258	34.36156	24.67208	24.49971	19.66451	19.72652	9.805243	9.707288	7.119955	6.825585
2410088K1	1.55718	1.947173	3.105904	4.692134	3.324895	3.396374	2.368724	2.250403	1.151892	1.038786	0.658708	0.932477
Prss50	1.315128	1.58104	6.59499	6.276819	5.257689	4.530542	4.209599	3.543216	1.869671	1.440008	1.178459	1.248685
Parp8	0.55457	0.534305	0.643984	0.903684	1.3248	1.107372	1.707266	1.639134	2.392254	2.229387	4.517488	4.535675
Tppp3	3.033966	2.075912	1.945162	1.800463	3.373527	2.738158	5.101376	5.237297	7.972752	7.758696	8.740983	9.012947
Il1r1	0.233389	0.149101	0.374292	0.357321	0.608295	0.547664	0.665735	0.766722	0.725324	0.667871	1.897882	1.788092
Krt8	9.039575	8.321468	9.216515	9.009922	9.149329	9.232836	11.39818	11.78818	18.40477	18.91561	51.61435	45.04085
Sncaip	0.189767	0.25577	0.723451	0.736483	0.69817	0.623936	1.008211	0.918716	2.55464	2.366022	3.160572	3.11505
Hoxb6	0.010333	0.021095	9.780268	9.574677	23.14258	24.62771	45.82128	45.22054	59.07142	46.76128	48.7356	47.80025
BC080695	0.095887	0.121333	0.350844	0.390186	0.786853	0.7987	1.729474	1.382378	1.91053	1.946546	1.631454	1.502832
Oprd1	0.351154	0.50204	2.19823	2.099143	2.404654	2.080641	2.038854	2.121316	0.778584	0.765102	0.422768	0.425583
Ebf3	0.257187	0.300462	0.157914	0.224008	0.260866	0.226005	0.270696	0.308029	0.633199	0.59772	1.22898	1.116483
Snca	0.819659	0.464686	0.371912	0.438293	1.165714	0.948237	0.858325	1.3202	0.570114	0.752305	0.199631	0.265077
Tmem132e	0.023009	0.009446	0.489851	0.538054	1.634365	1.603453	3.247071	2.671403	1.988387	1.910382	2.740556	2.554923
Fgfr1i	3.363178	3.707493	4.541328	4.212594	6.689558	6.515368	9.845388	10.81684	22.29842	20.61436	21.73639	20.8738
Elovl2	3.16342	3.458112	3.277705	3.574938	5.644002	4.720679	7.91216	7.714493	17.84423	17.70004	14.48069	16.74996
Rasa4	2.388241	2.488639	2.133579	1.970763	1.508351	1.272102	0.9658	0.968768	0.63532	0.711581	0.538507	0.398489
Steap3	3.434052	3.88095	27.17638	25.29635	19.36574	17.68297	13.1826	12.43005	6.780711	6.738118	5.846344	5.12171
Pcyt1b	8.499304	9.024521	5.45374	5.916388	5.870326	5.670872	5.857711	5.426918	2.780247	2.828987	1.028294	1.198205

1700019DC	14.83462	14.46	13.69364	13.37442	8.870991	8.78657	7.225653	6.835052	3.07722	3.086858	2.540419	2.710592
Hdgfrp3	1.687395	1.667372	2.629628	2.848523	3.938383	4.004938	4.899519	5.341909	9.038966	8.832335	13.23954	14.03662
Il23a	1.098931	1.149713	0.941027	1.273611	0.830183	0.62345	0.663984	0.655243	0.450607	0.474082	0.541549	0.258561
Bhlha15	0.876107	0.837984	1.980753	2.034666	2.499836	2.428389	1.982345	1.475495	0.867675	1.017222	0.694182	0.493384
Gm8300	1.483388	1.264333	6.642368	6.055336	13.80681	13.17584	26.86923	29.67665	27.38521	29.00881	24.99507	23.63425
Phf11a	0.08952	0.170337	0.36206	0.261373	0.610172	0.679204	1.225771	1.280711	1.182168	1.152259	1.310116	1.269376
Dusp5	4.076442	4.731875	8.224923	8.560763	7.435239	8.02308	8.502988	8.14915	15.76047	14.69261	42.93363	39.30883
Rhbdf1	2.064201	2.121881	1.725177	1.583503	2.129656	1.98019	2.419188	2.735218	4.926607	4.784823	8.225061	7.71063
Nlrp4f	5.816282	5.886166	8.282794	7.339145	5.87448	6.107501	5.835707	6.471299	2.659781	2.602754	1.444735	1.508939
Mical2	0.344662	0.376833	0.307778	0.380624	0.422797	0.394917	0.451211	0.358408	0.587002	0.639925	1.838371	1.741273
Epcam	57.69132	54.27975	47.77859	44.6692	30.86441	31.2289	23.01241	23.2038	9.870148	9.223489	9.930646	10.21299
Ldlrad4	1.043106	1.37277	0.761778	1.101718	0.605625	0.50273	0.426316	0.432388	0.221322	0.303732	0.224088	0.227501
Cyp2b23	2.968274	2.628643	2.540386	2.23883	1.914568	2.274442	2.588747	3.340003	1.415386	1.666214	0.871029	0.690086
Prrg4	6.119419	7.383096	5.707088	6.010483	4.129088	3.928686	3.643643	2.333563	1.994017	1.971872	8.643633	9.524109
Plau	0.128976	0.161507	0.758694	0.604784	0.980595	0.884675	1.54176	1.500227	1.165843	1.142976	3.016357	2.920581
Fam167a	1.096385	1.17653	0.822649	0.828567	0.776233	0.852226	0.891703	0.919397	2.687263	2.494761	4.023809	3.998543
B3gnt5	10.08301	10.29822	7.680963	7.625792	8.951108	9.039702	11.0278	10.8991	19.20485	19.64737	32.98406	36.7784
Hand1	0.243547	0.343092	0.280983	0.297279	0.465812	0.361787	0.462973	0.319996	1.219672	1.433619	1.813715	1.212252
Foxq1	0.888716	0.853221	1.139231	0.85361	1.100964	1.124241	1.715936	1.430921	3.636087	2.708476	3.74829	4.111498
Leprel1	0.282324	0.320834	0.551848	0.703204	0.975034	0.973811	1.353724	1.427569	3.192619	3.381211	3.244567	3.385307
Trp73	1.272088	1.441624	1.06487	0.950828	0.619135	0.76581	0.510651	0.436881	0.160339	0.197741	0.305445	0.296113
BC055111	1.18006	1.170409	1.770076	1.421566	1.128858	1.077014	0.838702	1.164956	0.362626	0.540724	0.438222	0.29589
Greb1	0.803381	0.903813	1.086085	1.310204	1.958587	2.091699	2.517443	2.489342	6.371345	6.289369	5.770524	5.794253
Ddr2	0.326134	0.309742	0.581909	0.615886	0.670294	0.777285	0.991901	1.193022	1.803018	1.760572	2.803938	2.953262
Foxd2	0.007722	0.033036	0.124168	0.227236	0.225093	0.390254	0.284379	0.343547	0.979752	0.98425	1.10139	1.0881
Hs3st3b1	1.86475	2.334521	1.965206	2.099988	2.530442	2.600605	3.449095	2.729381	9.878083	10.03944	10.13009	9.94298
Hsd17b11	25.98393	25.22267	20.68558	20.90448	12.32487	11.97506	8.904991	9.356635	4.390051	4.644186	4.5149	4.376224
Vcl	15.20711	17.32435	17.5231	16.63555	17.34185	17.49725	22.9519	20.50715	30.68843	29.701	77.5029	79.37189
AU019990	0.0751	0.118371	0.672177	0.511805	0.786696	0.927025	1.812056	2.439179	1.327388	1.327681	2.463426	1.798749
Kcnh6	0.916065	1.031989	0.985342	1.018663	0.687334	0.983372	0.579765	0.612278	0.173742	0.2831	0.137937	0.214523
Tdgf1	568.4683	492.5929	222.2028	219.0617	158.8021	160.3549	98.02087	103.9354	52.13225	58.45358	44.72857	46.14308
C330021F2	6.203416	5.394869	4.427225	4.912166	4.960682	4.777265	3.832247	4.279043	2.079059	2.594951	1.230219	1.035618
E130309D1	2.851329	3.157538	3.017672	2.965141	2.575313	2.247014	1.492156	2.002567	1.000934	1.156558	0.582168	0.62577
Nrep	6.811568	5.563051	4.469955	4.412844	6.135418	6.603351	9.042496	9.993253	20.45194	20.90449	18.36806	20.68044
Klhdc8a	0.04259	0.054458	0.584659	0.521095	0.59429	0.670732	0.817275	0.889256	1.298187	1.357252	2.518662	2.465811
Agpat9	0.434048	0.451034	1.001259	0.846574	0.90911	0.774152	1.27484	1.179721	1.702343	1.359513	3.506067	3.654414
2900041M	1.963802	1.895398	0.522105	0.561672	0.485456	0.540253	0.485113	0.604228	0.286067	0.244476	0.188146	0.128022
Gm5662	1.456053	1.52772	7.044124	6.206726	13.75901	12.49035	23.01809	25.67501	30.04068	29.28536	28.21926	23.46259
Ror1	0.507087	0.561589	0.447965	0.407277	0.943812	0.94445	1.66451	1.358348	2.354187	1.921639	1.313954	1.260331
Mob3a	1.401803	1.560946	1.355924	1.090731	1.645888	1.397487	1.871595	1.949841	2.871844	2.561729	4.840189	5.13532
Frk	0.234963	0.219867	0.515647	0.474347	1.183741	1.005185	1.649303	1.474668	2.148721	2.230042	1.802134	2.025049
Gm13078	0.124746	0.121541	0.516156	0.554026	1.20476	1.174801	2.13977	2.603727	2.184192	2.24121	1.96237	1.361819
Aplp1	30.5935	30.20309	23.62225	20.74887	14.30449	13.75153	9.554686	9.820331	6.054332	6.261139	4.797455	4.418472
Scn2b	0.282759	0.369244	1.452568	1.751199	1.681142	1.593122	1.559529	1.345811	0.602976	0.507063	0.352351	0.372931
Hdac7	1.851771	1.948848	2.656475	2.869431	4.179172	3.812064	4.995939	4.746596	6.875541	6.457056	14.42083	13.4546
Crygd	0.160184	0.204612	0.923627	0.841062	1.758367	1.357305	3.12151	3.942787	3.915398	3.646792	3.843182	3.680581
Mfap2	1.107876	1.393942	1.847375	2.057279	4.036232	3.440655	6.211287	5.590855	10.24204	9.543819	9.671397	9.630649
Slc22a23	2.261938	2.420296	2.466957	2.713712	4.02766	4.158271	6.318584	5.698126	10.83832	11.20362	12.60065	12.69218
Hmgb3	22.13214	18.31559	19.83099	20.56035	32.11362	33.70945	46.19248	45.68398	80.29941	70.43111	95.30336	96.14595
Pcdh1	4.192986	5.393073	3.72164	3.876171	4.452526	3.950877	5.620046	4.691036	6.310662	6.283457	19.60675	18.10706
Slco4a1	3.413526	3.652462	1.553383	1.86124	1.273482	1.236563	0.969925	0.906812	0.508044	0.398904	0.503625	0.578498
Calml4	1.848526	1.553263	3.738044	3.236533	1.542427	1.760934	1.531596	1.9596	0.890844	0.893286	0.650181	0.693811
Sdc3	0.860292	0.910911	0.92363	0.973875	1.081708	1.045132	1.415515	1.121493	2.518587	2.323038	4.75177	4.536808
Thrsp	1.704389	1.334599	1.109949	1.546065	1.654742	1.394353	0.849199	1.064327	0.573696	0.731137	0.316506	0.332093
Col4a2	9.066352	10.25246	12.28467	12.45668	14.23363	13.61578	19.02293	17.40259	41.30759	39.11542	56.24761	57.98451
Hmga2	15.29082	15.7269	15.08228	16.28886	18.26971	17.18512	23.24408	22.59707	77.38791	75.69894	59.83822	62.98014
Kif5c	2.859493	3.094209	4.154368	3.961071	4.800093	4.379453	5.689603	5.796863	10.12394	10.65005	17.64255	18.407
Krt20	0.114982	0.033208	1.602721	1.588174	2.622101	3.167089	2.638582	2.86991	1.032051	0.707741	2.876561	3.286904
Bmp1	0.900391	1.217012	2.263626	2.354204	3.274553	3.438656	5.689116	4.802723	8.625862	7.7205	10.36295	10.92757
Olfrc376	0.066629	0.035003	0.288885	0.349445	0.600639	0.405391	1.364754	1.045795	1.234397	1.002669	1.555938	1.62168
Chst1	0.466697	0.458301	0.615574	0.463806	1.404943	1.353464	2.128525	2.15099	1.605531	1.568037	1.016109	0.958855

Relb	2.369714	3.036595	2.310513	2.212973	2.363327	2.122424	1.806154	2.434282	1.847517	1.710967	8.988306	7.933491
Rarg	54.53645	55.55833	63.65929	57.5085	45.54035	44.74784	34.03899	33.80525	15.66246	14.54839	14.14005	12.40809
Arsi	0.190072	0.212306	0.278699	0.29377	0.413053	0.403657	0.604546	0.488363	0.808767	0.912826	1.630688	1.357923
ErbB2ip	6.172519	6.693055	7.063294	6.817435	8.629264	8.415812	10.17622	9.772255	21.14052	21.31249	28.62877	31.43963
Cox8c	0.506366	0.405245	1.795601	1.953196	2.411035	1.941895	3.02962	1.969205	1.199499	1.128607	0.818212	0.427162
Pygo1	0.315548	0.325205	0.629518	0.546289	0.875397	0.784754	1.062517	1.012414	2.04497	1.994999	2.361846	2.517612
Casq1	0.621938	0.553338	1.634066	1.600071	1.102535	1.256311	0.957118	0.989614	0.593669	0.522684	0.583129	0.347779
Itga7	0.301698	0.311459	0.44987	0.424742	0.652531	0.389316	0.649057	0.572262	0.627538	0.688593	2.027568	1.790847
Epo	0.211349	0.074844	0.790258	1.402349	1.55254	1.929264	1.964095	1.808905	1.034209	1.342363	0.628497	0.419711
Rnf122	2.121617	2.278195	1.415454	1.28189	2.21179	2.369498	3.175685	3.305783	6.285971	5.88823	4.724951	4.279814
Zadh2	1.268814	0.977828	8.791445	8.623879	23.04773	24.55347	42.03196	39.59923	31.1081	31.30237	26.44723	28.04758
Pdgfc	0.710213	0.849994	0.501833	0.476297	0.383614	0.427166	0.652996	0.572362	2.563521	1.961415	1.218941	1.308575
BC048502	0.504901	0.882248	2.555939	4.171106	2.552538	2.139429	2.307679	1.958235	0.68543	1.239568	1.258483	0.908739
Pogk	0.558011	0.665924	1.041707	1.16274	1.418561	1.189531	1.628694	1.730164	3.632838	3.80736	5.283624	5.334611
Pxdn	5.33545	6.157383	7.624068	8.363423	13.09254	11.90311	19.26964	15.80896	32.68315	32.50162	38.03041	38.34836
Pou5f1	261.0595	206.5594	162.0745	143.9489	101.2333	102.6432	63.48587	74.70518	35.22717	31.42673	37.46669	33.98454
Ndn	7.6088	6.872247	13.30597	11.94746	18.52335	18.05565	25.94492	29.90188	40.64554	41.15742	59.4743	54.61378
Gadd45g	4.686899	4.790573	14.02647	10.69206	12.03661	12.84491	18.19021	20.43598	22.09123	17.92211	51.14757	48.8011
Slc18a3	0.12512	0.209861	0.212878	0.353481	0.609596	0.650058	1.741835	1.612088	1.567124	1.366049	1.094692	1.01295
Myh10	19.36781	24.08926	29.89891	30.66041	32.66212	32.00342	38.97373	36.08122	91.46281	94.67611	136.7746	139.7747
L1td1	259.1093	267.359	202.4406	191.1941	131.786	129.2765	80.06061	92.55533	41.89101	43.04083	42.56477	41.94034
Ms4a4d	2.435532	2.099471	1.466508	1.749396	3.621507	3.978612	7.478317	7.9609	6.440022	6.295269	3.370187	3.847857
Hck	9.49431	10.0573	1.654608	1.375048	1.020056	0.726242	0.60437	0.67209	0.26566	0.302276	0.619393	0.555307
Gfra3	0.334109	0.457358	2.065093	2.147553	2.4466	2.283379	5.335999	5.905442	12.71646	9.756833	9.199563	8.999163
Afap1l2	0.930072	0.866491	0.813165	0.858041	1.065327	1.211364	1.829654	1.380323	3.203086	3.021212	3.602337	3.895515
PlekHg6	0.341797	0.623913	1.086071	1.092715	0.818366	0.664587	0.572652	0.497226	0.308786	0.240941	0.50884	0.376489
Hpn	3.778544	4.097993	4.669462	4.99885	5.116568	4.482943	4.171435	4.054595	2.147625	2.260366	1.681924	1.103007
Spry1	9.372684	8.717006	5.43042	5.108892	5.970736	5.912064	6.851967	7.233723	16.0059	15.84456	23.03255	23.13702
Hoxb3	0.144929	0.145467	1.92832	2.060962	3.617331	3.940476	4.91804	4.436947	10.01789	8.574696	8.892456	9.332855
Pld4	0.86578	0.632826	1.726271	1.713258	2.076633	1.96512	1.789955	2.416806	0.969134	1.097371	0.48814	0.534112
Atg9b	1.374211	1.234784	1.44754	1.294034	0.882617	0.907543	0.71256	0.636585	0.384579	0.286526	0.414728	0.387178
Cpt1a	24.42001	26.60139	20.36564	19.383	14.5935	14.69365	11.34612	10.55054	4.955259	4.830615	4.562731	4.292589
Serpinb6c	5.834767	5.404334	1.341184	1.062333	1.245021	0.918808	1.557131	1.448041	2.659986	2.978688	3.702823	4.145165
Chchd10	287.159	307.2378	297.4945	261.89	190.8644	192.5315	137.9008	107.8093	70.5397	58.05715	72.86566	58.19597
Hist2h4	2.875562	2.27637	1.101039	2.399103	2.628294	3.865828	1.261618	2.875282	1.120199	1.593208	1.180677	0.857608
Gli1	7.510928	7.891459	5.804007	5.994585	4.357757	4.351806	2.810386	3.069059	1.975568	1.776736	1.594952	1.330977
Dll1	1.846513	1.615061	2.71592	2.251123	2.305969	2.394617	3.427239	3.507506	6.302977	5.806172	9.701541	10.13851
Lonrf2	0.471464	0.520843	0.440731	0.529928	0.615188	0.590388	0.700021	0.670914	1.505975	1.54397	2.78163	2.386337
Palld	6.783007	7.539242	10.70324	10.16318	8.724445	7.82969	8.642083	7.036263	13.52331	13.07646	31.26997	31.67413
G730013BC	0.999721	1.336453	0.979511	0.7707	0.499783	0.36475	0.39098	0.258458	0.163466	0.266007	0.154252	0.171778
Spz1	0.112625	0.400521	0.401803	0.450046	0.867399	0.977189	1.724216	2.01862	1.703225	1.776951	1.658053	1.229526
Gm867	1.832195	2.084267	1.942904	1.658976	1.005917	0.928097	0.825288	0.92122	0.321138	0.409135	0.27934	0.369889
Tmtc1	1.235621	1.195961	7.932556	8.039625	6.374594	6.135634	4.960648	4.578808	1.830388	1.792592	1.918453	1.871989
Peli3	1.079831	1.301272	1.303266	1.037645	1.058154	0.988516	1.089921	1.411659	0.594547	0.575184	0.147835	0.314909
Zc3h12c	0.957178	0.980843	1.405437	1.401125	1.857344	1.908884	2.104725	1.536	4.031826	4.074322	5.781862	6.276042
Osbpl5	0.629932	0.614815	0.982468	1.053339	1.291402	1.309731	1.880301	1.912703	2.607895	2.643293	4.454401	4.706328
Sned1	1.431455	1.713457	1.732507	1.957067	1.270546	1.363502	1.065652	1.045248	0.615261	0.63343	0.374785	0.43808
Aif1l	4.143823	4.516636	6.419896	6.615807	9.453631	8.729179	10.64886	10.59046	19.49363	19.03055	29.36098	29.53629
Tmem123	18.82423	16.8001	13.31722	13.49185	16.2551	16.92402	20.49056	21.16838	39.58001	40.072	55.58027	60.22795
Pramel6	0.486549	0.465536	1.412172	1.04924	1.515884	1.239831	2.184089	1.789423	3.370969	4.683722	2.674137	2.373876
Mn1	0.176489	0.324872	0.45456	0.533332	0.490055	0.499164	0.850462	0.676362	2.167669	2.044314	2.667181	2.224395
Ggt1	1.347691	1.536599	3.292055	2.527427	2.081984	1.698595	1.407927	1.513935	0.702277	1.073916	0.596705	0.567338
Ptch2	5.698737	6.014109	7.012527	6.335861	4.801775	4.53556	3.757037	3.572252	1.618712	1.497784	1.501668	1.424745
Lrrc4b	0.162646	0.27254	0.251584	0.251035	0.435758	0.370799	0.607373	0.755921	1.015755	1.115337	0.792599	0.587812
Flrt3	1.804205	2.023881	2.529109	2.925928	3.636553	3.701461	6.461101	6.05725	13.37955	12.98826	8.757144	10.31731
Spaca1	0.185105	0.140761	0.30983	0.33077	0.521753	0.522865	0.827257	1.213768	1.002957	1.054874	1.585125	1.467347
Col4a5	0.231643	0.230675	0.38774	0.415809	0.705641	0.660187	1.002823	1.082762	1.879172	1.844578	1.349201	1.442461
1700095A2	0.755219	1.594667	1.469485	1.760402	1.034753	1.464413	0.990888	0.745314	0.277909	0.396847	0.344043	0.521079
Ctnnd2	0.399146	0.477256	0.391401	0.383497	0.605722	0.498645	0.849591	0.824176	1.308385	1.205304	1.590479	1.701016
Fam171a1	1.982557	2.069894	3.099805	3.042021	4.723587	4.513335	6.622345	6.68723	11.14825	11.30234	13.10263	13.49102
Wfdc1	0.314675	0.070593	0.261817	0.331255	0.997365	0.90133	0.785914	1.468219	0.616497	0.555626	0.39512	0.415844

Bcas1	1.978151	1.646676	1.611569	1.653335	1.957915	1.790863	1.664969	2.048054	0.777454	0.817244	0.568653	0.462467
Fos	0.68908	0.462985	0.721936	0.669676	0.621641	0.60178	1.092385	0.97825	1.02733	1.140674	3.267957	2.664131
Gm13119	0.558932	0.680877	2.359438	2.457765	3.93605	4.646736	8.491237	9.288368	8.248854	10.8775	8.550807	7.1395
Kis2	1.101334	1.458285	0.752273	1.050807	0.893724	1.165067	0.948728	1.364796	0.426097	0.601526	0.182184	0.308376
Plch1	2.965548	3.030522	2.822857	3.056047	3.493973	3.69503	4.715387	4.358068	12.84786	13.50531	8.152647	8.672632
Gipc2	0.946717	0.689966	0.954869	1.167177	1.349751	1.166629	0.787358	0.646038	0.454639	0.445888	0.314614	0.264157
Fam115a	2.557005	2.494593	3.508993	3.190288	5.570665	5.277539	7.760435	7.695262	12.17837	14.04554	9.334563	9.795904
Sgms2	0.500372	0.586222	0.423643	0.404539	0.694297	0.514228	0.458135	0.678648	0.599617	0.536147	1.588956	1.780387
Stc2	2.79332	2.657762	2.403353	2.151094	1.532003	1.381657	0.649728	0.647335	0.545359	0.73974	2.617943	2.846403
Crygc	0.129239	0.054091	2.645904	2.301056	4.398947	4.958786	8.602683	10.11563	5.747212	3.8582	3.622256	4.413034
Chrm4	0.673393	0.722837	1.749552	1.435862	3.062803	3.133942	4.665591	4.881989	5.011413	6.296346	3.754501	3.351219
Msrbb3	0.598693	0.572126	2.084839	2.109241	3.002149	3.192541	3.531465	2.975688	4.277084	4.728341	8.48878	9.248023
Gbp9	0.677835	0.641187	2.115006	1.865191	1.25846	1.379366	1.337105	1.302939	0.40887	0.57398	0.330025	0.425485
Gadd45b	8.734112	7.711613	6.890955	6.486812	6.284547	6.180453	5.104702	6.737607	5.363926	5.037285	22.70086	22.0791
Alpk3	2.527631	3.507469	4.861908	4.477854	2.947145	2.764261	1.954575	2.045698	1.712338	1.947347	1.129523	1.021611
Lmx1a	0.108228	0.101233	0.285931	0.305822	0.59596	0.531527	1.287419	1.036201	1.196216	1.186895	1.660544	1.339061
Megf9	0.602954	0.674278	0.973994	0.96803	1.10041	1.167125	1.243454	1.378096	2.776202	2.754699	3.547622	4.23479
F11r	12.63987	13.05502	15.01062	14.17447	19.06612	19.17617	36.86053	32.9447	49.42422	43.2832	56.02384	61.98745
Hs3st1	1.649895	1.506688	1.341317	1.361149	1.745266	1.263977	2.163252	1.973644	4.874691	3.966864	5.893496	5.526222
Gm2016	1.722658	1.374324	6.455828	6.197404	10.72573	11.03641	22.3532	22.87624	26.30358	27.0191	24.87431	21.96144
Rprm	4.320701	3.66365	2.75626	2.70246	4.427552	4.012673	5.959631	6.773257	13.4534	11.77402	9.701173	9.706068
Ap1m2	4.542781	4.287643	4.017571	3.597382	2.167824	2.130489	1.242661	1.644932	1.109404	0.923855	0.6736	0.8258
Nt5e	0.580437	0.451838	3.810433	3.833815	4.055765	4.306655	4.181716	4.070809	1.139547	1.15809	0.793284	0.989906
Lhfp12	1.117265	1.067156	1.569657	1.459422	2.222503	2.144486	2.942148	2.953446	6.029438	6.346098	5.309535	5.42723
Maff	5.137419	3.44735	2.590141	2.883974	3.115307	2.880427	2.335988	2.594298	2.945279	2.950357	10.88192	11.27842
Syt3	1.680521	1.788172	2.527379	2.549489	2.454986	2.09133	2.300741	2.069502	1.332851	1.231478	0.666121	0.586528
Bmpr1b	0.301602	0.19795	0.278931	0.264911	0.485653	0.358186	0.671808	0.604567	1.221208	1.016496	1.176201	1.151259
Cbr3	26.54026	24.25081	10.94137	8.957993	7.296793	7.877849	6.10234	6.92992	3.225877	2.985302	2.271245	2.061298
Slc9b2	2.768737	3.31178	1.339607	1.301217	0.922277	0.991345	0.783247	0.667826	0.358471	0.299597	0.231697	0.369045
Hipk3	2.646948	3.206042	4.501927	4.646386	5.408835	5.316127	6.67626	5.973133	10.38163	10.68967	19.41667	20.14836
Pdcl2	2.029133	1.984495	0.89336	1.300434	1.347339	1.215882	1.417751	1.547685	0.799209	0.929893	0.727741	0.35698
Cdh1	68.95344	84.70376	97.29344	93.78426	53.6104	52.89024	33.34505	33.24072	20.37325	21.63562	25.7452	22.94668
Sema3b	0.763645	0.813712	0.717723	0.705783	0.973534	0.810582	0.993941	0.84642	1.170623	1.319385	3.229103	3.058982
Zfp9	0.106564	0.138526	0.248165	0.295035	0.527945	0.611493	0.910719	0.720487	1.211482	1.277877	1.010599	1.029563
Setbp1	1.314111	1.73085	1.360711	1.624256	1.868042	2.036404	2.888797	2.368547	5.401225	5.607478	6.935396	7.028457
Plcg2	13.67379	16.58323	23.13966	21.49783	16.7319	15.71652	12.99368	13.41865	8.253267	9.156271	4.605999	4.970055
Mmel1	0.941999	1.090284	0.949881	1.0897	1.119407	0.973455	0.800948	1.101816	0.47339	0.574757	0.414977	0.254769
Shd	0.585624	0.490376	0.985217	1.049553	2.171597	2.600788	3.031635	3.418968	5.085888	4.536617	4.184613	4.114714
Gbx2	37.56435	33.89538	41.53944	40.51272	57.5635	62.80793	65.45296	58.36983	35.05087	30.91703	14.08229	14.53423
BC028528	1.395182	0.86553	0.545372	0.688215	0.099595	0.359256	0.30944	0.347593	0.196101	0.159277	0.312011	0.198606
Lcp1	0.620067	0.496919	0.569897	0.625995	0.603431	0.627632	0.652873	0.719906	1.349927	1.53326	2.960587	2.702588
Zcwpw1	8.162502	7.642819	11.99437	12.48293	7.431466	7.661377	5.011151	6.833905	3.788467	4.024284	3.212673	2.891974
Hivep2	0.307625	0.296809	0.7081	0.920505	0.852747	0.800847	0.916293	0.775882	1.056887	1.204092	3.094016	3.347191
Dusp10	0.650008	0.76193	0.626755	0.575466	0.908676	0.660301	0.915424	1.057531	1.667876	1.350361	2.597283	2.481521
Mylk	0.180434	0.11609	0.208676	0.26452	0.435471	0.330572	0.475419	0.646938	0.989645	1.140576	0.955049	0.961204
Pramel7	0.585291	0.754993	1.153327	1.341109	1.320616	1.405559	2.613329	3.022058	5.372944	5.00644	5.337221	5.773586
Msx2	0.279366	0.242099	0.315416	0.334355	0.467774	0.419394	0.685724	0.363015	1.235082	0.915583	1.443627	1.438212
Jak2	1.84694	1.761094	2.839097	2.851757	3.996108	3.818731	5.237553	5.562555	7.833592	8.462459	11.27384	12.25837
Wls	2.464186	2.327031	4.914418	5.249554	7.973484	7.919582	14.05793	13.98637	23.61502	22.56422	17.57573	19.30856
Uba1y	0.582688	0.650593	1.18538	1.145814	0.829607	0.919701	0.848547	1.024224	0.400817	0.44167	0.382185	0.26663
Klb	0.686346	0.83713	0.66146	0.612266	0.685877	0.557952	0.922451	1.014732	2.164353	2.055449	1.909236	2.394751
Bin1	3.589115	3.587674	4.924632	5.115298	8.245263	7.886357	12.64964	13.86317	19.02383	18.99377	22.82101	21.9462
Pramef6	0.132854	0.140661	0.308826	0.250004	0.583762	0.511283	1.17242	1.072201	1.091717	1.047102	1.025433	0.958086
Agap2	0.193316	0.222214	1.68418	1.6894	1.755865	1.94708	1.615337	1.431056	0.635758	0.596813	0.450787	0.455248
Nfatc1	0.11135	0.09478	0.510224	0.501067	0.975128	0.809017	1.368669	1.119986	1.549254	1.518251	2.173657	2.138198
Tnfrsf21	5.678569	6.909115	7.475297	7.382583	12.66903	12.60867	23.11856	18.61241	27.23362	27.12307	30.40476	31.49502
Dnase2a	4.420105	4.063015	5.846916	5.332795	4.703223	4.62658	3.411139	3.544086	2.331227	2.290379	1.449629	1.250141
Dock6	30.65097	35.73824	62.9544	61.61058	48.39732	47.26293	38.97293	40.84786	21.0902	20.7938	15.83692	14.44431
Itgal	0.864202	0.91879	1.736326	1.908006	1.300028	1.09657	0.927722	1.068017	0.692804	0.747418	0.439707	0.447819
Dok5	0.775523	0.944937	0.534068	0.57119	1.184661	1.085207	1.603379	1.882106	2.12911	2.432974	1.089173	1.209185
Gcm1	0.298098	0.439091	3.209734	3.065195	2.266392	1.976018	1.692004	1.935514	1.181455	1.339078	0.817305	0.720394

Triml1	45.52903	42.0061	22.36276	21.75026	16.191	15.93399	10.97986	10.74143	7.183213	8.382419	4.813989	5.113577
Tbc1d9	3.519424	4.01956	1.958815	1.766076	1.714433	1.625609	1.447659	1.502488	3.687509	3.763756	5.922294	6.385683
Arl5c	2.103711	2.28013	2.2644	2.171739	2.74246	2.159534	1.929184	1.909289	1.070445	1.352624	0.702576	0.511152
Thbs2	0.388701	0.361714	0.383673	0.372094	0.27536	0.338059	0.44807	0.46693	0.627803	0.54962	1.372068	1.436012
Pitx2	6.230139	5.321587	9.712549	10.47604	17.78499	17.90942	16.7614	18.52923	9.345037	9.708402	4.562136	4.362749
Pou2f2	1.048977	1.44669	2.500039	2.626283	1.742727	1.486486	1.069866	1.274891	0.806713	0.631682	0.539602	0.618565
Fam159a	2.582216	2.422128	3.626675	2.790245	3.907197	4.615496	4.093646	3.793626	2.389208	2.350046	0.903556	1.087415
Gm4858	0.137679	0.028184	0.289997	0.291266	0.520845	0.53751	0.544612	1.020236	0.932233	1.086995	1.352114	1.235711
Lpar6	1.448409	1.543403	2.022493	1.915108	2.790761	2.851824	3.777518	3.957665	6.543713	5.960109	7.142972	8.100547
Bmyc	0.410646	0.362944	0.830451	0.842891	1.208277	1.610064	0.678217	0.381421	0.605464	0.564659	0.85778	0.694319
Igfbp1	0.210987	0.160453	0.477915	0.452172	0.631497	0.772557	1.009489	0.939248	1.81858	1.907956	1.195056	1.430731
Plekha6	0.496632	0.508657	3.230338	3.522644	2.592473	2.715027	2.427658	2.607251	1.205619	1.130643	1.012247	0.835187
Pkia	1.416371	1.053348	1.012179	1.188084	1.262318	1.361801	1.667945	1.539755	3.765929	3.949991	4.420157	4.999685
Chad	0.23978	0.544493	0.511289	0.725038	0.706865	0.709213	0.762515	0.334765	1.241541	1.407605	1.16789	1.075422
Il10rb	0.332093	0.433974	0.40475	0.283018	0.591809	0.61429	0.820802	0.839611	0.993186	0.867219	1.085419	1.18762
Lars2	926.9473	1317.234	423.7109	981.8392	713.1387	1296.655	677.1098	694.0822	463.9249	560.8119	264.7824	309.1292
Hspa1b	1.417303	1.691842	2.777017	3.149162	5.93724	5.082209	11.82407	13.20906	8.239433	8.211548	7.75753	5.625426
Ube2ql1	0.180875	0.180602	0.298355	0.302694	0.578313	0.598065	0.632547	0.559816	0.482853	0.52756	1.545832	1.266265
Cald1	13.58916	14.08283	16.03774	17.09212	19.08382	19.34704	25.99131	25.51838	40.18392	40.22166	69.25669	71.38712
Ncam1	3.254332	4.620987	2.944305	3.044896	4.232627	3.682191	7.117367	5.488706	11.95145	12.66748	11.09675	11.19723
Klf15	7.297115	6.696752	3.446736	2.8311	2.060507	2.467777	1.685557	1.678055	1.587308	1.470415	0.884693	0.680634
Sult6b1	3.622171	2.903868	3.445464	3.296364	2.610737	2.812399	1.733179	1.501567	0.961926	0.952654	1.010893	0.793088
Faxc	0.949205	1.072496	0.995787	1.049095	1.321392	1.344513	1.706165	1.438027	3.628568	3.932883	4.189229	4.359866
Asap3	3.578211	4.112746	3.58384	3.502482	2.787348	2.552522	2.387552	2.262932	1.254791	1.0134	0.867756	0.843343
Junb	11.36257	9.999338	12.95771	12.48168	10.66416	10.28129	9.426698	8.863993	7.937582	6.618065	29.63025	27.46625
Ctgf	6.261046	5.748592	12.59515	11.60819	12.68029	13.27567	12.37306	12.23438	25.39192	24.45541	43.08726	48.12713
Slc28a1	3.858898	4.705113	3.216628	2.909844	1.31948	1.065551	0.802477	0.792165	0.583538	0.758303	0.774957	0.702001
Flrt2	0.181865	0.209983	0.443161	0.309573	0.428328	0.440977	0.507961	0.435727	0.961898	0.902463	1.252454	1.283125
Nodal	16.88031	15.34619	23.34602	22.90537	23.62908	23.26277	15.1191	16.06232	6.046957	6.233578	6.171763	5.614143
Gpsm3	1.786233	2.032754	4.510455	4.419248	3.581577	3.557501	2.877764	3.210553	1.282124	1.067175	1.328921	1.152722
Ddr1	5.823119	6.50663	6.850951	6.369168	6.783951	6.427988	9.196134	8.819336	15.18453	13.51235	28.23719	26.36199
Ins1	0.777792	1.497104	2.340115	1.64841	1.419378	1.100656	1.074586	2.106386	0.313088	0.509098	0.704685	0.668725
Sh3bgrl	12.00411	11.54418	12.48391	12.23935	18.11147	18.18097	22.10023	25.98668	49.68141	50.59999	37.26798	45.83306
Naprt1	5.722351	5.817375	10.20719	8.490406	6.626225	5.731735	5.34575	5.207454	2.791483	2.949304	2.904612	2.053867
Asb13	1.800504	1.663446	1.781364	1.293258	2.043544	1.861347	2.536877	3.02054	4.995514	5.340946	5.378989	5.182419
Aire	11.80211	10.32382	1.164173	1.390739	0.930381	0.998876	0.505735	0.616256	0.637807	0.71915	0.385843	0.336777
Lama1	12.53833	17.08879	21.36745	22.31111	20.57335	20.17606	31.94054	25.7183	81.14489	79.0485	76.48212	83.24452
Ikzf1	0.179737	0.253049	0.386818	0.383052	0.647678	0.705506	1.016124	0.898672	1.37579	1.579854	0.814933	0.779114
Ssbp2	1.532226	1.452863	0.931864	1.014675	1.778405	1.725301	2.554527	2.013496	4.491897	4.183472	3.534596	3.731377
Nupr1	1.541122	1.096482	3.660591	3.482852	2.753613	2.696631	1.379365	1.263058	1.350157	0.84505	2.521101	2.476506
Dmrt1	9.462886	9.315258	34.49363	31.23686	24.25058	22.37458	14.9827	14.36056	8.523259	8.768621	9.672988	7.58288
Xkrx	0.603087	0.795871	1.866125	1.850671	1.112806	1.108205	0.910273	0.619245	0.432877	0.506602	0.510314	0.449292
Cbx4	0.081593	0.090313	0.303314	0.326738	0.528683	0.445318	0.776668	0.760154	1.214826	1.051043	1.388389	1.345129
Ptprv	1.406186	1.377849	1.657547	1.565313	1.189041	1.301519	1.059743	1.204671	0.572101	0.380348	0.457754	0.560772
Tdrd12	6.322123	6.098058	7.192056	6.448687	3.918556	3.853522	2.612997	3.703894	1.425441	1.605902	1.876548	1.568078
Grb7	19.5599	19.6406	16.17825	16.24531	15.08877	13.31745	10.37787	11.53591	7.378981	9.129178	5.154182	3.960362
Jakmip1	2.253338	2.564255	0.857359	1.004414	0.855844	0.706641	0.706024	0.638414	0.353865	0.245409	0.439571	0.472475
Gm13051	6.90026	7.278258	9.293606	8.829625	5.642518	6.068107	3.930925	4.606308	2.154362	2.205476	1.955645	2.159478
Osbpl6	0.40073	0.358275	0.30331	0.463222	0.724354	0.688107	0.979453	1.095476	1.705437	1.892711	1.45471	1.400599
Ly6g6e	3.916907	3.665954	0.330348	0.2277	0.440696	0.373016	0.453699	0.615592	0.777804	0.683919	0.858362	0.929319
Ccbl2	5.148918	4.402134	8.757296	7.787138	5.722323	5.815068	4.577294	4.987193	3.089656	3.119067	1.668208	1.908195
4930486L2	0.69481	0.845137	3.231527	2.609576	1.843661	1.973897	1.766923	1.614922	0.621584	0.639464	0.955941	0.781965
Pip5kl1	0.562365	0.759298	1.201167	1.121759	1.279773	0.994036	1.026626	1.253969	0.748039	0.695027	0.429014	0.307723
Rnf128	1.691991	1.567903	1.650114	1.575371	1.780695	1.782583	2.19834	2.607514	2.994521	2.550324	6.573301	6.415639
Col4a1	19.8352	21.3464	25.57948	25.91097	29.51719	26.81901	37.26405	34.37628	81.40479	74.48429	101.9328	105.4348
Meis3	1.308431	1.366024	2.01739	2.011814	3.776072	3.125083	5.083694	4.57715	8.912139	7.713957	8.420444	8.174836
Aurkc	5.782691	5.033845	36.44571	35.85165	27.54344	24.51563	17.6386	17.8965	13.03048	13.22997	10.26382	8.824858
Frm4a	5.423641	5.759053	3.984815	4.119712	4.977729	5.069071	7.138407	6.557649	13.26323	12.26734	15.93938	16.71296
Ptprn2	0.387151	0.365734	0.283989	0.331426	0.453698	0.431598	0.709924	0.500005	1.368432	1.34405	1.302688	1.210076
Hbegf	6.7409	7.298668	5.122428	5.133937	4.311289	3.986335	3.324373	3.574776	4.29603	3.848477	14.24083	14.48271
Pcgf5	5.163165	5.850352	9.264785	8.30152	10.70908	9.002076	10.80163	11.25289	14.78452	14.28072	31.82028	33.60967

B4galnt3	9.348463	10.89684	6.784418	5.820788	3.991778	3.836146	2.974418	3.186503	1.658341	1.824266	1.838861	1.437905
Cd80	3.78176	3.658292	4.028547	4.017609	2.15559	2.531454	2.14581	2.314424	1.041447	0.99288	1.844911	2.090232
Nxf7	1.713723	1.771142	1.352546	1.521368	1.722266	1.586052	2.627367	2.728492	4.485727	4.640986	5.464762	6.141014
Gdf3	43.98531	41.14917	37.19823	33.70179	22.4619	23.11182	18.75412	17.02654	9.844209	8.552289	8.594981	8.371174
Bmp6	0.853974	0.949378	1.229332	1.024442	1.3452	1.115226	1.245139	1.419626	2.806102	2.10727	3.73636	4.124122
Tspan2	2.768647	2.629103	3.350218	2.833691	3.660645	3.740502	4.722777	4.149472	6.631489	6.349008	10.26296	11.40509
Mycn	74.08218	71.65317	14.90884	14.30345	13.08441	12.9382	20.41434	20.37166	55.60503	52.06517	47.94815	45.52383
Wdr64	0.743554	1.035	2.208934	1.975008	1.459363	1.551666	1.141343	1.716294	0.467094	0.491028	0.499554	0.717415
Fabp5	7.864429	5.973767	4.60318	4.859142	6.307638	6.883829	8.597741	7.512051	18.5435	16.66051	19.88783	19.54413
Tead4	5.120149	5.585698	2.653895	2.600559	1.98317	1.865541	1.996682	1.889311	2.962081	2.981798	7.773989	7.497879
Celf4	1.751192	2.210314	1.062784	1.367787	1.053822	0.966512	1.150691	0.891589	0.479883	0.528941	0.383849	0.340439
Serpinb1a	0.272639	0.266085	0.204582	0.193529	0.252078	0.311175	0.336498	0.464515	0.65527	0.690789	1.35389	0.777524
Dapp1	3.418665	3.837142	2.985942	2.844152	1.965337	2.160616	1.902086	1.656994	1.248876	1.148344	0.830674	0.708127
Cpq	0.325569	0.176197	0.11638	0.262575	0.345301	0.356583	0.345245	0.511809	1.009019	1.05459	0.796031	0.725467
Nostrin	1.548866	1.320224	1.236661	1.293633	1.360001	1.203351	1.760351	2.047843	4.526831	4.343755	3.744039	4.831181
Chst7	0.310141	0.404437	0.360388	0.453337	0.793531	0.534617	1.058068	0.637358	1.091153	1.244551	1.836046	1.818875
Vgll4	2.182179	1.91412	4.108682	3.887461	4.84741	4.589176	5.767766	5.415942	9.15928	9.085164	15.22848	15.59659
Grhl2	5.23046	5.573873	3.530413	3.161456	1.737651	1.648008	1.669607	1.411602	0.742924	0.78818	1.137015	1.118889
Adamts8	0.627599	0.672861	0.433212	0.692997	0.460307	0.639917	0.644357	0.529207	1.058135	0.923697	2.239386	2.121009
Axl	0.916603	0.884025	0.585707	0.763291	0.92602	0.853317	1.400435	1.527439	2.043581	1.959051	3.278155	3.058847
2510009E0	0.058788	0.052864	0.395824	0.292199	0.869402	0.906025	1.246858	1.17077	1.118014	1.042929	0.86943	0.862499
Aifm2	2.842126	2.819904	4.962535	4.588178	3.724738	3.412629	2.53528	2.688099	1.299394	1.145266	1.197566	1.324626
Chd5	0.939962	1.133871	1.516673	1.487995	1.201067	1.209086	0.795804	0.785565	0.311705	0.371538	0.471666	0.413992
Ydjc	8.469516	8.026979	6.286236	6.567344	5.145088	5.183195	3.491819	3.586535	1.815559	1.8703	1.641713	1.639932
Cbx8	0.084644	0.141709	0.611446	0.480889	0.703294	0.792818	1.196813	1.296045	1.32557	1.312809	2.047649	1.924927
Nfatc4	6.778385	7.106343	3.669415	3.973728	3.837008	3.471351	3.527216	3.976531	2.371858	2.267353	1.27077	0.99399
Vstm2l	0.591093	0.511699	0.484772	0.473038	0.69526	0.87071	1.380381	1.891189	1.912797	1.179438	2.009564	1.851977
Tgfb1	6.711586	7.123233	3.597492	3.538376	5.270034	5.137162	10.87876	9.677932	13.83406	14.13249	10.98185	9.263676
Rhbd13	0.26476	0.317917	1.005245	0.946975	1.536805	1.509587	3.000944	2.960555	3.517749	3.100168	4.027199	3.781365
Tmprss2	0.12127	0.146895	0.326563	0.294929	0.370089	0.495555	0.619003	0.385737	0.88325	1.127636	1.434729	1.176425
Olig3	1.987052	2.165284	1.325509	1.121103	2.521201	2.589864	4.898624	4.166981	2.190365	1.594853	1.389526	1.045676
Zfhx2	2.23255	3.293727	9.267651	8.620293	6.298786	6.276812	5.600538	4.48972	3.987085	3.959457	2.306711	2.163492
Cacna1g	0.202228	0.201651	0.550466	0.634919	1.238931	1.206447	1.759593	1.800215	2.54816	2.527523	1.971979	2.078581
Wfdc15a	0.70299	0.559405	2.336696	2.841681	1.278547	2.539354	2.09782	2.593056	1.176156	0.714967	1.629515	1.810155
Stra8	16.24027	14.41273	400.4022	385.2561	525.8809	493.3814	443.7656	572.0488	193.8062	193.163	151.6613	143.9423
Ankrd35	2.139002	1.618138	1.734233	1.512937	1.207465	1.073915	0.860716	0.980877	0.485286	0.380771	0.645649	0.657599
Ltbp1	1.984795	2.169931	1.742278	1.950441	2.423921	2.372676	3.607659	3.077168	7.325406	7.217815	7.591603	7.739522
Lgals4	2.185076	1.619245	3.585246	3.466134	6.054147	7.131728	11.8255	13.74858	9.90771	9.658245	10.61488	8.674471
Maob	0.466993	0.350569	0.4712	0.476036	0.660398	0.586662	1.002244	1.088576	1.503869	1.8877	1.23819	1.320691
BC048679	0.03171	0.1	1.092346	2.04989	2.046895	1.679584	2.083396	1.903976	0.768967	0.517282	0.675691	1.113636
Lamc2	1.223301	1.462833	1.845807	1.676355	1.299066	1.147069	0.995801	1.007406	0.66417	0.730872	3.127745	2.893301
Plekhh2	3.253641	3.735601	3.993303	3.742497	5.345267	5.136981	6.340719	5.791415	7.547549	7.790472	15.87484	14.806
Phc1	125.737	144.1355	93.20128	88.34636	48.5425	48.1555	39.43422	37.70059	29.30839	29.35323	23.20996	22.33824
Fam124a	0.402084	0.362155	1.416159	1.323934	2.870113	2.705727	4.458551	4.913273	5.182243	5.235432	4.861718	4.040328
Mt2	129.4716	121.018	260.7088	251.5099	201.7624	221.9994	183.1465	185.361	112.955	94.72172	442.1656	374.5539
Acap1	3.022713	3.542005	3.602565	3.105455	3.352338	2.90211	1.922024	2.222758	0.988777	0.976137	0.784189	0.78586
Tdh	69.58355	74.47787	10.37046	9.446863	3.426905	3.216893	2.483981	2.940094	2.24455	2.391162	2.678308	2.664179
Gna15	3.081866	2.752765	1.111343	1.141255	1.026147	0.984292	0.846628	0.74051	0.492392	0.311196	0.366231	0.289073
Gng12	2.484182	2.280782	1.661296	2.165996	2.806856	2.752708	3.329545	3.078135	7.890833	8.537507	6.872911	7.688322
Lbx1	0.170452	0.153083	0.377547	0.577337	0.381008	0.484707	0.590128	0.358484	1.057306	0.833093	1.47175	1.411244
Podxl	6.907349	7.240568	3.048762	3.195988	4.892707	4.143941	6.01611	5.82898	12.65239	12.57982	12.65133	12.44716
Kifc2	4.136649	4.132425	4.324566	4.278697	4.472374	4.970171	3.494128	3.608602	1.958049	1.926808	1.574447	1.263055
Kctd11	0.346049	0.370661	0.932249	0.890139	1.119746	1.223492	1.588263	1.191789	2.269486	2.061014	3.773738	3.500808
Ptpm	0.163189	0.169709	0.324174	0.338623	0.683488	0.583131	0.881701	0.892065	1.227749	1.331238	1.136406	1.089413
Meis2	1.82534	1.970226	8.420301	8.92237	15.10227	15.3635	27.16825	25.36858	38.21443	35.05441	25.91379	26.81164
2810459M	0.744214	0.679831	3.710652	3.574378	6.162953	6.105761	8.954191	8.287216	2.717913	2.486266	1.88633	2.109378
Hoxb13	0.456579	0.307605	1.845429	1.393284	1.133079	1.301864	1.458921	1.210981	0.876768	0.621813	0.328704	0.354912
Capn2	6.558065	5.694948	7.049061	6.498164	8.22636	8.041401	11.43726	10.72085	15.94463	15.59589	25.42478	25.49455
Adamts15	0.45265	0.48964	0.378613	0.396203	0.635163	0.497996	0.427973	0.60086	1.055561	1.201426	1.514816	1.554341
Gsc	0.158735	0.214564	0.389976	0.422083	0.650278	0.664485	0.745246	0.739229	1.151589	1.052145	2.235545	1.650389
Gm44	0.588487	0.51461	1.76654	2.100855	2.151652	2.159864	2.547136	3.256626	1.422566	1.491258	0.808595	0.83392

Hoxa9	0.062564	0.098609	1.183982	1.005478	2.210062	2.671952	3.191298	3.021809	5.012581	3.925128	2.619294	2.994104
Mgp	3.101296	0.632796	0.488307	0.569774	0.740375	0.596563	0.782495	1.097223	0.196041	0.384493	0.325643	0.28117
Ccdc88b	0.374038	0.316378	5.663619	5.282061	6.029749	6.649975	6.804362	6.228153	2.255245	2.343217	1.935647	1.704904
C330013F1	1.396046	1.547866	1.934132	1.755299	1.244875	1.317776	0.936673	0.961102	0.703704	0.712538	0.344252	0.450244
Trh	189.5555	156.1862	42.26676	41.88604	41.00171	39.28379	50.48116	52.11593	15.8578	16.358	14.39597	13.37171
Ccl3	0.052988	0.162261	0.634424	0.694294	1.499828	0.658228	2.069323	1.713157	2.419485	2.56471	2.195005	1.824715
Tax1bp3	2.135302	2.109926	3.160865	2.490595	3.351115	3.175936	4.5018	4.183295	5.521306	4.84924	9.813344	9.704209
Ccser1	0.056908	0.067382	0.273164	0.273125	0.434304	0.409704	0.719067	0.654499	0.94462	0.910042	1.111886	1.063696
Cpm	0.443044	0.480122	1.451593	1.267319	2.047818	1.847254	2.318842	2.435826	3.753938	3.73443	5.369129	4.929317
Psd3	0.436719	0.55354	0.68261	0.756376	0.96112	0.98761	1.278266	1.24217	2.615633	2.507592	2.444019	2.941503
Ppm1j	16.16729	14.8169	6.357145	5.786969	4.729018	4.819225	3.716173	4.193801	1.896642	1.488229	1.853166	1.558842
1190002F1	3.369794	2.456684	7.099501	5.945625	5.406436	5.404427	4.718725	4.135331	2.320144	1.530497	2.962671	2.648086
Nphp4	1.631589	1.888605	6.710607	6.396097	4.571069	4.313945	3.417893	3.561414	2.207429	2.269332	2.048466	1.64674
Lmo2	0.648733	0.322739	0.648424	0.818285	1.204338	1.43305	1.329336	1.208764	0.910456	0.729684	0.60228	0.369127
Actg1	217.6389	246.5357	317.4809	299.0918	332.1867	318.9068	412.3405	402.716	583.0506	546.8582	1182.156	1161.055
Lrp3	1.97191	2.333654	2.106512	2.102003	3.302415	3.095661	3.980328	4.046499	8.199378	8.148458	8.091719	7.764133
Adcy2	0.25853	0.361204	0.567405	0.640396	1.033227	0.987614	1.743983	1.825268	2.448043	2.481685	2.291791	2.214402
Dnaaf3	2.022292	2.107032	2.005877	1.652768	1.47691	1.411118	1.01659	1.095813	0.859236	0.924297	0.558433	0.426523
Exoc3l	3.276724	3.531892	2.650424	2.386639	1.500126	1.725556	1.067673	1.238778	0.704967	0.735117	0.862666	0.615999
Ppp4r4	0.762271	0.723985	0.577489	0.570309	0.771829	0.887921	1.12151	1.217788	1.957665	2.207289	1.092089	1.209645
Ybx2	5.996642	5.776661	3.704853	3.522098	3.730746	3.018951	2.163728	2.661311	1.533012	1.605512	1.164674	0.910367
Mmp9	0.190182	0.31986	1.711188	1.516119	1.077127	1.261227	0.860349	0.9152	0.595507	0.392095	1.046326	0.837749
Vim	91.76086	99.21307	89.81761	85.17699	86.28521	83.34449	101.2721	99.99595	137.0754	115.7073	334.8919	322.174
Rab3a	2.628903	3.021349	5.823094	5.054168	5.606102	6.05103	3.864692	4.698757	2.743962	2.697044	1.716524	1.565945
Rnf180	0.267548	0.477145	0.437882	0.403116	0.524033	0.571363	0.586808	0.515321	1.059675	0.741082	1.067786	1.556652
Pipox	42.62528	39.31053	23.84577	25.97211	22.38715	23.47351	21.3079	21.79155	13.80631	14.24199	5.622326	6.735461
Gm19705	16.63604	16.96891	12.08439	10.5214	5.820701	6.211314	3.848762	4.009279	2.71405	2.73076	2.473609	2.731852
Themis2	0.491634	0.578033	3.00089	3.050602	1.719949	1.773909	1.775905	1.461267	1.102749	1.200027	0.970441	0.792173
Acbd7	1.970119	1.747801	1.677839	1.274917	1.93675	1.583806	1.209578	1.853501	0.810772	1.045311	0.738569	0.482003
Ntn4	0.265653	0.214523	0.56998	0.318403	0.57979	0.622905	0.771191	0.874098	1.012191	1.224322	1.139134	1.1163
Ccdc155	1.666928	1.371919	1.599996	1.563433	1.379964	1.183346	0.765476	0.870211	0.489618	0.602926	0.528855	0.407177
Pcolce	32.96749	34.27611	29.67023	28.00344	19.20649	18.7909	14.12837	14.82698	8.054515	7.311967	9.880382	10.19739
Itga8	0.347579	0.20443	0.631359	0.586068	0.765906	0.894495	0.991907	0.782463	2.211366	2.169489	2.116436	2.239409
Fam78a	1.973522	2.084569	2.417913	2.511355	2.044301	1.956975	1.550271	1.814431	1.128196	1.168496	0.653913	0.657461
Gm6484	3.152663	4.891325	6.219155	6.041619	4.965492	5.415668	3.690855	4.339545	1.444395	1.794161	1.279286	1.582778
Srgap3	2.114964	2.711142	1.579808	1.547461	1.792379	1.940825	2.515832	2.352056	5.666327	5.898475	4.442038	4.658576
Mvb12b	2.469623	2.535671	1.858935	1.812254	2.864265	2.821519	3.309494	3.160106	6.767214	6.787434	6.821289	6.898861
Klhdc7a	0.872938	0.900439	1.498858	1.506732	3.256341	3.613793	5.937944	5.661031	4.96992	4.771376	5.73215	5.735178
Wdr86	2.522317	2.446187	2.194471	2.126089	2.658452	2.507071	3.023373	2.643123	2.490206	2.643042	0.71243	0.695509
Gm15706	2.394431	1.856289	1.081132	1.491421	1.768848	1.426286	0.943261	1.303312	0.747488	0.392497	0.525811	0.591736
Fhl1	8.350301	7.687059	6.29966	6.292618	8.991276	8.944434	11.00952	11.48836	22.72478	21.06695	23.04592	23.90163
4930500J0	44.45271	43.14429	47.53925	48.43938	33.31985	32.4119	25.62368	27.99852	13.29881	15.33871	14.93322	12.76139
Tmod4	0.288155	0.306185	0.568379	0.344478	0.606688	0.687022	0.782584	0.85551	1.62967	1.307361	1.099987	1.047528
Eno3	14.96501	13.7352	22.4727	21.72749	18.70831	17.99647	16.34362	16.84099	7.555327	8.062098	7.482736	5.726259
Adad2	2.109986	1.882288	5.401543	5.513283	4.187999	4.278679	3.159867	3.913694	1.542553	1.535095	1.582517	1.453802
Il33	0.578304	0.840559	5.80781	5.50324	6.564139	6.554508	7.480227	7.700646	2.561879	2.035153	3.170359	3.266848
Glis1	0.15297	0.204042	0.379931	0.263237	0.499212	0.575174	0.715356	0.62898	0.815442	0.875839	1.218053	0.994747
Nrp1	0.28676	0.186264	0.601145	0.605478	1.039635	1.0004	1.78645	1.785186	2.35868	2.28791	1.755031	1.808797
Pde2a	1.093906	1.112622	2.554684	2.32505	2.147053	2.044443	1.592379	1.64368	0.753861	0.893414	0.526957	0.616019
Acp6	90.88592	81.71971	85.61337	79.59451	59.01865	58.73454	42.28092	41.3093	26.98335	25.80158	21.80349	21.10758
Rhob	9.094021	8.087692	17.38226	16.14814	26.09282	24.7203	27.99716	27.57632	31.97801	28.94188	64.39335	60.88096
Nxph4	0.601155	0.630487	2.929275	2.971543	3.643502	3.408391	3.218749	2.462271	1.015932	0.90416	1.343562	0.994801
Sp110	0.327622	0.392455	1.472114	1.310667	2.371483	2.431035	3.784541	4.935288	4.210333	4.265622	5.328747	3.985736
Pycard	16.02103	13.13814	15.36599	16.12515	12.79818	13.38517	9.592872	9.440133	4.052116	4.689884	3.9191	4.28481
Lpar5	2.613024	2.56102	3.537762	3.191249	1.987223	1.808819	1.95583	1.285791	1.073688	0.84838	1.002909	1.104834
Usp17lc	0.444485	0.404995	2.289312	1.898246	3.811887	3.900582	7.59119	7.138308	6.482566	6.477458	7.229439	5.321282
Zfp534	19.09942	19.36422	21.13481	20.40488	14.17056	14.22328	9.204327	9.747055	5.853573	5.430166	5.080799	5.685479
Nnat	11.13135	11.01369	11.13113	11.22837	15.09589	16.15479	25.61754	25.18135	40.89915	34.59544	44.15271	42.1794
Nxpe4	0.419506	0.533921	0.505147	0.489413	0.831595	0.874666	0.950107	0.98963	1.811602	1.837897	0.852014	1.016238
Enox1	24.66597	22.06752	3.663377	3.779939	1.516445	1.394777	1.019611	1.180058	1.303485	1.243759	1.213386	1.006574
Tex40	3.716589	2.914222	14.29775	12.03628	13.86751	17.30853	12.57038	13.02197	6.997378	5.886199	4.895074	4.617312



Myrf	17.68212	21.84158	24.93298	23.27147	16.07004	15.00478	12.95397	11.09314	6.834678	7.176774	7.018415	6.212694
Gas7	0.554045	0.735266	1.08487	1.370741	2.313821	1.993913	3.713996	3.296016	5.263347	5.001609	4.840543	5.132932
Necab3	3.622125	3.924782	2.937871	3.196565	3.525331	3.548737	2.330766	2.511195	1.682927	1.80996	1.084385	0.948158
Rassf8	1.792642	1.806195	2.787773	2.631762	3.824013	3.697967	4.331696	3.881208	6.551504	6.386048	9.686731	9.849201
Arg2	0.338746	0.487761	1.637388	1.790924	3.385969	3.642956	7.221256	6.695299	5.962754	5.681859	5.879289	5.250501
Sgce	5.861865	4.567807	5.455775	5.914481	8.880522	8.749788	12.40721	11.31421	20.72839	20.01284	20.43624	22.10263
Gm13154	30.07704	28.51098	23.78532	24.73326	16.46999	17.10556	11.00664	11.57254	8.303216	9.11183	6.342334	6.621294
Gm1673	2.316993	1.9013	2.489354	2.554925	4.689891	6.399505	8.58049	6.026782	12.35542	9.531055	12.86537	8.317919
Anxa2	11.56539	8.608711	3.580451	3.63236	3.4078	3.655668	3.82967	3.905591	6.014949	6.07898	15.51041	13.54701
Adamts7	0.756336	1.002721	1.395206	1.398793	2.260978	2.085851	3.055874	3.39806	4.763422	5.214443	4.623218	4.219923
Pla2g1b	71.95804	77.82948	63.02077	63.68144	56.63842	52.90007	44.26098	39.04188	31.02027	26.93745	15.59145	17.08298
Ooep	18.41923	17.05042	17.30661	17.463	11.42244	10.7179	7.56498	7.803875	5.56875	5.4704	4.81829	4.709979
Tle6	3.609656	3.347061	18.68142	16.90544	15.15343	14.5221	10.58137	11.02481	5.958817	5.907524	5.084555	4.561652
Fgf10	0.490125	0.580654	0.448149	0.49176	0.508668	0.418267	1.093157	0.865799	1.760974	1.550001	1.049452	1.249179
Ptpn9	3.574229	3.264437	4.814391	4.810159	6.532427	6.622424	8.463186	9.086713	12.12307	11.50769	17.03944	17.82057
Gm13242	23.3823	23.59083	17.24624	16.91338	10.55956	10.26604	7.138008	8.376644	5.300593	5.290233	3.970603	4.567966
Mfsd7c	0.539581	0.549622	1.07968	0.92097	1.29558	1.365597	1.767056	1.719142	3.147502	3.084454	2.838949	3.407041
Arhgap29	7.250291	7.216507	9.081094	9.810971	11.46478	10.91887	14.27609	15.2394	19.42236	21.28926	32.70111	36.26706
Heg1	1.067227	1.41403	2.836867	3.098747	4.792761	4.621185	6.616755	5.461414	7.730374	7.887326	11.49723	11.42309
Arc	6.905729	7.479265	4.283798	4.022127	2.477896	2.186947	1.64265	1.779569	1.137214	1.091367	2.229982	2.207038
Celsr3	1.982101	2.668274	2.360994	2.406022	1.599745	1.626287	1.155203	1.242642	0.635168	0.653193	0.912462	0.847339
Ifitm7	0.94153	0.964919	2.161832	1.770229	1.646645	1.368117	0.982341	1.131186	0.431279	0.480591	0.318976	0.741956
Cx3cl1	0.395387	0.422126	0.854892	1.007423	1.582069	1.338553	1.835985	1.443806	1.91912	1.717045	4.111505	3.710547
Etv1	7.804426	8.247371	7.298452	7.201109	7.928766	8.109503	8.13081	7.105691	4.083951	3.856726	2.239182	2.202231
Tle2	0.192602	0.1836	1.054052	1.078298	1.151917	1.159596	1.032359	0.907863	0.629395	0.4766	0.401263	0.315093
Fyn	5.615293	5.790444	7.547985	7.495658	9.494788	9.349776	11.50673	11.34178	19.25019	17.80008	27.88021	27.55797
1700025GC	1.126302	1.37757	1.327379	1.29325	1.991335	1.871649	2.354219	2.441658	4.288209	4.187812	4.159571	4.750589
Klk1	4.987593	4.501681	0.632606	0.451977	0.252592	0.261681	0.154433	0.321007	0.133827	0.153861	0.219205	0.123159
Sh3bgr	0.441736	0.546443	0.535683	0.318598	0.64028	0.536554	0.493579	0.922441	1.09009	0.802832	1.348126	1.16828
Fam102b	1.071311	1.090916	1.671279	1.841443	2.950202	2.603837	3.63982	3.230229	5.042531	5.459969	6.672172	6.743705
5430402O1	0.171239	0.090113	0.671178	0.748806	1.327513	1.779812	2.433309	2.742223	2.285541	2.347246	2.889994	2.551874
Gpr20	0.367217	0.355148	2.066821	1.732214	2.273336	1.958563	1.508892	1.792491	1.003924	1.185307	0.412061	0.534873
Gpr56	0.475965	0.632883	0.41328	0.414907	0.446667	0.362953	0.408551	0.585026	0.569316	0.675787	1.555239	1.327345
Lphn2	10.56831	11.95423	7.720639	7.701464	9.755694	9.719378	13.79611	10.57065	24.39079	24.38662	29.06262	28.15164
Pdgra	15.46615	16.73439	5.318231	4.720942	4.860711	4.581377	6.529889	7.121068	7.453957	7.816498	18.40741	16.71361
1700019A0	2.662494	3.38487	4.603436	4.232833	2.912846	3.769957	2.565592	1.742991	1.574275	1.160425	1.270753	1.479199
Gm4285	0.490978	0.562436	0.947568	0.992828	1.78743	1.812303	2.986617	2.909708	3.608563	2.918504	3.852551	3.616256
Tcf15	92.83428	91.68093	94.73777	87.28189	98.18411	99.146	74.42105	74.46128	33.75061	31.76288	31.97105	27.22894
Tcf12	6.378152	6.58195	7.912278	8.156459	11.24152	10.52459	14.15655	13.296	26.98688	26.9559	28.65131	29.69628
Chsy3	0.123874	0.071621	0.305428	0.306875	0.569964	0.364608	0.733281	0.559655	0.913667	0.836581	1.127624	1.115606
Lef1	15.09048	15.41041	2.158845	2.360448	2.627503	2.658995	2.484826	2.294641	0.814838	0.73197	0.965006	0.816741
Rsph1	2.73611	3.306371	2.252273	1.879602	1.818167	1.607682	1.40728	0.885804	0.744025	0.517699	0.81087	0.668348
Tnfaip2	0.160699	0.232842	0.461471	0.355572	0.621386	0.672492	0.520203	0.723072	0.724196	0.634597	1.652208	1.290552
Rab33a	1.913868	1.313496	0.970006	0.946363	1.269731	1.144436	1.325483	1.335591	1.193777	0.814855	0.381459	0.36837
Cebpd	6.472581	5.79897	5.870459	5.708616	5.75077	6.749934	3.671839	4.766145	2.757562	1.862984	4.963003	4.790955
Flnb	19.39378	25.82258	25.76789	25.36018	22.76235	21.50003	26.82676	20.36916	30.2648	31.73275	75.75156	73.77317
Amotl2	10.14862	11.86757	23.08566	21.33154	21.44425	21.28655	27.13788	24.94214	40.10368	39.18225	77.75782	77.08719
Myof	5.313106	6.277246	3.750593	3.818296	3.594416	3.520275	4.616492	4.525508	7.195178	7.173942	11.95462	12.74667
C530008M	1.564842	1.819223	2.748293	3.157695	4.882515	5.085214	6.979677	6.609201	11.9076	11.43075	9.91822	9.788807
Patl2	3.180503	3.18867	1.622654	1.502567	0.950753	0.971007	0.658973	0.847228	0.438827	0.513925	0.35915	0.4155
Grb10	21.19627	22.34584	36.70401	38.95321	57.42194	57.83102	83.34095	75.79671	135.0874	140.7943	115.0025	118.8461
Lonrf3	0.539776	0.437433	1.298188	1.306218	2.019916	2.219074	4.16163	4.717299	3.543637	3.806578	4.264968	3.382581
Neto2	0.727028	0.928767	2.316844	2.270482	2.911507	2.8544	3.520966	3.191306	4.28303	4.368356	8.010983	8.195639
1700029P1	7.33429	7.166208	21.24141	19.62566	12.29469	14.32726	12.48374	11.25909	6.169724	5.538506	6.071434	5.438011
4632428NC	0.187479	0.152281	1.234611	1.51078	1.941178	1.694468	1.689299	1.731162	0.915241	1.06968	0.548444	0.480545
Tpbp	1.393423	1.353875	1.221005	1.314624	1.464696	1.592791	2.246757	2.133279	2.857483	2.880655	4.319624	4.735887
Pde9a	4.255167	4.779095	2.938599	2.709382	3.004303	2.740805	2.351794	2.973166	2.000958	1.546479	0.701543	0.826208
Fam178a	12.04448	14.39713	20.30284	20.50842	20.92693	19.08895	25.91646	21.50573	47.85803	45.90852	61.72712	68.68947
Grin1	1.555492	1.212907	0.158513	0.191478	0.268441	0.282307	0.338555	0.197289	0.551839	0.688879	0.648262	0.417866
Caprin2	21.53998	22.33175	31.99285	31.8779	39.82998	41.87088	53.16112	55.39875	22.64434	23.21536	14.9288	15.46353
Tinagl1	3.046729	2.356547	6.451527	5.793364	8.384175	7.749405	8.906963	8.429333	11.35757	12.31232	26.63142	20.7524

SIfn2	0.121795	0.101256	0.441913	0.403305	0.822267	0.757643	1.283634	1.211109	1.131334	1.443886	1.51717	1.076787
Lmo1	0.452181	0.312057	0.479622	0.426722	0.996718	0.811187	0.819751	0.918963	1.275622	1.526945	1.424226	0.974816
Myh6	0.614503	0.583199	1.892306	1.801635	1.842074	1.596581	1.302379	1.318354	0.458823	0.503777	0.512924	0.518859
B3gat1	0.191262	0.199112	0.571968	0.409068	0.763171	0.864453	1.074773	1.146709	1.287027	1.003351	1.67111	1.460907
Syce3	1.97384	2.284527	1.92274	1.582569	1.132419	2.078875	1.24801	1.269317	1.357887	0.582304	0.489577	1.092715
Ebf4	0.2299	0.256582	0.665447	0.769583	0.830888	0.938429	1.15592	1.445933	2.381629	2.746792	1.57792	1.473462
0610040J0:	0.593624	0.405705	1.501116	0.977874	2.693692	2.130722	3.248543	3.35839	3.439152	3.486538	4.073498	2.999027
Stat4	1.392079	1.442377	1.924863	1.985979	1.750303	1.854689	1.278034	1.5088	0.629623	0.68734	0.576434	0.557891
Gng3	6.931161	6.975357	11.65702	11.34644	8.111449	7.809513	7.556943	7.061786	3.490806	3.187541	3.804911	3.828124
Celf2	0.840233	1.011747	1.213011	1.165376	1.530465	1.384013	1.81893	1.529425	3.03462	2.845726	3.781399	4.147346
Arhgap28	3.951891	4.498943	5.734284	5.169504	7.946843	7.565119	14.49296	13.30631	17.95651	18.39682	14.42627	15.06692
Gdpd1	1.552118	1.841254	2.198954	2.21406	3.649099	3.311021	4.629617	4.93549	7.415543	7.878941	7.368019	7.059616
Acacb	2.927696	3.744969	3.844003	3.799149	3.122833	2.646377	2.311996	2.0959	1.307833	1.31569	1.082708	1.068151
Usp17lb	1.501731	1.124629	7.078302	6.6789	11.90571	12.13646	23.04463	23.73436	17.27086	16.96699	17.87822	14.72889
Cap2	1.330972	1.11331	1.146851	1.379607	2.240051	2.018446	2.289919	2.500391	4.652509	4.900167	4.21338	4.157366
Tmem253	3.651688	4.49408	8.966964	8.537952	6.087992	5.851593	4.480318	5.080133	2.80764	2.408842	3.893846	3.435834
Prom1	3.586443	4.232899	3.208825	3.454259	5.191816	5.218097	6.795713	6.460972	11.86465	12.23499	9.579122	10.49453
Zscan10	42.07035	46.26484	32.00629	29.419	16.92708	16.24558	12.64719	12.80246	8.958067	8.311887	12.64204	11.29793
Tmem145	1.140331	1.230428	1.498869	1.451753	1.349624	1.368903	0.828751	1.611184	0.645964	0.58139	0.465146	0.455329
Gm5134	1.299122	1.621654	1.467513	1.301409	0.965566	0.953112	0.771077	0.84222	0.429085	0.372975	0.329304	0.367814
Gpr27	1.37881	1.867679	3.683272	2.90703	4.081903	3.876308	4.778209	4.193371	5.644763	5.132974	10.7616	10.27454
Rhobtb3	5.030843	6.284757	5.435164	5.735569	7.858064	7.42926	9.526353	8.648766	19.57777	20.25369	18.69426	20.19249
Adam19	10.08813	11.89121	3.703209	3.749324	3.205352	2.944258	3.256979	2.973707	5.099325	5.904512	9.75614	10.39391
Nptx2	6.62364	7.037673	7.283295	6.411477	5.954192	6.025734	5.405092	5.38301	4.303685	3.734503	15.02655	13.17194
Gstt2	11.67928	9.878907	7.018162	6.555613	6.423521	5.555393	4.294139	4.241985	2.915129	2.510509	2.193436	1.859239
Dmrct2	1.394836	1.48942	0.959733	1.032557	0.821153	0.683044	0.233032	0.550015	0.207224	0.33304	0.257058	0.292902
Pomc	0.438679	0.399101	0.994795	1.223224	0.93904	0.975784	0.742411	0.69812	0.570968	0.356288	1.036101	1.255821
Nr0b1	64.12468	55.09039	19.13336	15.93026	9.232457	9.319406	6.227369	7.258178	4.457353	4.520376	5.843565	6.134618
Slc25a35	0.982926	0.985586	1.093178	1.043399	0.916324	1.066376	0.741135	0.680909	0.429945	0.478178	0.366664	0.302662
Sp8	0.630167	0.781376	3.432177	3.097468	4.030841	4.301955	6.241265	5.303932	11.81508	10.90879	10.07346	10.34829
Mogat2	0.701573	0.595887	1.440516	1.454562	2.727644	1.998901	3.393969	3.264898	2.561058	2.761842	1.080307	0.927632
Hist1h2an	1.024304	1.135099	0.618281	0.554711	1.12709	1.298906	1.318382	1.550311	1.409054	1.952019	2.166234	0.766132
Stat6	7.325944	8.386042	9.874609	9.409159	7.00648	7.086999	5.467173	5.723372	3.738381	4.032836	2.649908	2.678832
Net1	20.11203	21.1813	22.01475	22.15989	23.47729	22.1551	25.00112	23.3248	42.99109	41.45803	73.81537	77.79421
Egr1	0.427549	0.606247	1.649914	1.518199	1.639098	1.817476	1.86005	1.745496	1.547891	1.318253	4.818946	4.628088
Olfml2b	0.429628	0.565668	1.029566	0.870678	1.562054	1.402511	2.427817	1.968569	2.786766	2.755944	3.002841	3.056581
S100g	1.091751	0.796047	1.705165	1.210738	1.637263	2.216596	1.952613	3.222112	3.743148	3.873923	2.688227	4.249811
Piwi14	1.627981	1.866113	5.523402	5.904523	5.374068	5.073076	4.960273	5.276803	1.9382	2.357816	1.497605	1.682272
Rin1	14.60183	13.66549	14.6431	13.40005	7.825424	7.398257	5.892766	7.035777	3.719758	3.818882	5.262127	4.688182
Rin3	0.326864	0.410203	1.072838	0.990156	1.029435	1.073099	1.259469	1.360735	2.020048	1.963939	4.444306	3.472519
Acsf2	9.103319	11.49517	8.121614	7.786334	9.799322	8.743102	10.56602	9.406109	26.75708	27.30629	19.59368	20.6577
Usp17la	0.818944	0.740981	4.855098	4.201523	8.183418	7.981368	14.22487	14.71655	10.22029	11.34102	10.29386	8.875946
Plcl2	0.875683	1.045078	2.134598	2.138075	3.347018	3.299603	4.476917	4.513127	5.465741	6.082187	7.08303	7.486423
Rhox6	3.41121	3.223435	4.9403	4.776264	6.442117	6.362058	7.474868	8.49176	8.712574	8.688927	20.99588	16.71779
Sema6a	1.151113	1.461793	0.41783	0.428564	0.399543	0.360642	0.605005	0.512694	0.848083	0.953235	1.393632	1.260839
Rnf130	9.446636	6.646116	7.425961	7.055722	12.54113	12.41394	14.37326	16.75608	24.90572	24.66356	22.21213	23.03177
Ggnbp1	1.318307	1.250104	1.128659	1.134805	0.911723	0.763601	0.621523	0.67327	0.476233	0.465134	0.309747	0.324977
Cidea	0.224745	0.367031	2.9298	2.964785	3.585898	2.824185	2.421576	2.697676	1.850173	2.024913	1.221632	0.849299
Clgn	6.735115	6.297705	26.86853	26.02713	23.86521	23.1761	19.90397	21.39167	10.20797	10.07635	6.810562	7.456317
Cpa2	0.334087	0.333659	0.565106	0.490563	0.434933	0.373418	0.691834	0.91168	0.615884	0.651226	1.119315	1.303457
Rragd	10.14553	12.23377	7.105188	7.248069	8.579244	7.564428	11.93084	12.1363	22.28293	25.26585	17.12434	18.14213
Syde1	1.392311	1.252969	3.73066	3.515874	3.49283	3.377377	3.530117	4.019623	5.756613	5.48014	11.64897	11.76364
Arhgef15	0.96043	1.301584	1.103742	1.161523	0.952948	0.886298	0.716036	0.589591	0.424824	0.44479	0.363323	0.333482
Hsf2bp	23.99653	21.8525	17.56738	16.86136	11.84362	11.01118	8.818408	8.74569	5.143345	4.848174	4.98102	5.201585
Cubn	1.418018	1.981741	2.074467	2.40695	1.855012	1.858773	2.146651	1.475285	5.292952	5.120858	3.8112	5.129677
Dusp27	10.78462	12.93615	10.87241	9.913394	6.161436	5.849308	5.495162	5.083097	3.577677	3.544815	3.137703	2.851992
Slc9a7	0.281105	0.229268	0.523526	0.39365	0.664872	0.784207	0.69292	0.690319	0.794494	0.849886	1.269166	1.366438
Nol3	0.168994	0.192233	0.356602	0.381293	0.821205	0.761064	1.112788	1.323191	0.741793	0.71028	0.91274	0.950587
Cpne2	1.13602	1.072398	2.034871	2.125859	3.236676	2.868882	5.428511	4.66668	6.628625	6.244905	7.805442	7.37319
SIfn9	9.798995	11.50407	14.27404	14.02403	9.156751	9.040104	8.260367	8.34917	3.945964	4.731052	3.908451	4.044158
Lipg	0.553515	0.562471	0.481217	0.57077	0.83522	0.763739	1.199537	0.965311	1.733948	1.978057	1.412716	1.131148

Celf5	2.692116	3.397501	3.298359	3.548177	3.306825	3.319797	2.623497	2.433545	1.321028	1.23242	1.03544	1.024128
Tspan18	0.311654	0.395438	0.698355	0.888728	1.66375	1.699193	2.459443	1.911667	2.243878	2.568883	3.036266	3.076037
Ccno	1.0852	1.195074	1.719001	1.753532	1.643614	1.264001	2.235243	2.273404	0.995483	0.718523	0.70722	0.657996
Wnt9a	0.412319	0.439978	1.412397	1.083016	1.832542	1.60343	1.763373	1.595175	1.314648	1.30521	3.532228	3.732235
Myo1f	3.229057	3.363701	6.134768	5.573618	3.678337	3.657026	2.907254	3.644809	1.624445	1.617367	1.929441	1.935016
Cacng6	2.414583	2.545606	5.554451	5.811207	5.927388	6.254696	5.251897	4.741233	3.067844	2.458496	1.996232	1.816396
Fam57a	2.170026	2.035107	2.474178	2.463658	3.490082	3.659864	4.089425	4.127085	6.05747	6.063001	7.952186	8.483167
Bcam	32.03131	34.70347	86.97896	79.06192	64.71794	62.24637	57.68815	54.08335	24.66361	22.96868	26.39519	23.77061
Reep1	4.163705	4.032372	6.053728	5.93797	9.768214	9.273358	12.98477	13.59193	19.81718	20.43469	15.93886	16.86146
Itpka	5.885061	5.115621	4.136244	3.640389	3.123511	3.137941	2.665199	2.96464	1.270108	1.185187	1.561572	1.058704
Bdh2	10.74805	10.86369	4.781176	5.298821	5.103755	4.985714	3.625485	3.678987	2.661679	2.286663	1.221559	1.541706
Cntln	0.524932	0.623335	0.695189	0.730372	1.221034	1.162595	1.609285	1.763451	2.273398	2.505775	2.34444	2.285488
Hic1	0.14421	0.162843	2.320381	1.947102	2.244535	2.269252	1.489082	1.568044	0.685466	0.661488	1.538067	1.189732
Wnt8a	1.419803	1.494205	3.532856	3.044236	2.410656	2.325946	2.331354	2.872153	1.578912	1.544079	1.241255	0.888182
Gpr1	0.967575	1.526786	0.926189	1.034024	0.653872	0.839397	0.557154	0.603957	0.347419	0.30244	0.363397	0.441048
Mt1	102.5367	104.2208	108.2412	115.8183	105.3547	117.3247	131.2744	142.4239	116.0451	99.61641	397.9058	340.364
Tsc22d3	1.697614	1.58101	2.745805	2.835392	3.675379	3.495466	4.684215	3.666584	6.851102	6.545826	10.15299	9.685171
Lrig1	4.157225	4.149491	6.010719	6.319055	9.107263	9.60177	14.42178	14.45487	19.47782	19.74835	22.21911	21.55525
1700061G1	7.341237	8.174573	7.226323	6.70875	3.550363	3.547378	2.403949	2.468532	1.922618	1.966724	1.962914	2.058431
Tusc1	0.717472	0.728749	1.082783	0.799017	1.173702	1.434551	1.676956	1.262069	1.628268	1.533618	2.60237	2.724803
Fam171a2	1.80338	2.065578	3.428893	2.960511	4.88163	4.571651	6.449079	7.169853	10.04813	9.419147	10.94696	10.09341
Mpped1	0.215474	0.232075	0.661324	0.528131	1.099527	1.105193	1.60792	1.799833	1.660755	1.539972	1.536073	1.603711
Cdh3	5.234107	6.619087	2.205999	2.288623	1.110153	1.180783	0.899932	0.672395	0.796902	0.747415	2.443307	1.783559
Snai1	1.207035	1.283113	2.12091	2.159029	2.9571	2.655865	3.49975	3.961006	5.250847	5.488213	7.532476	7.343631
Pcbd1	2.218547	3.016552	3.786011	2.836708	4.229043	4.848729	5.964102	4.518706	10.19152	8.69615	8.991913	9.64663
St3gal1	0.299532	0.212219	0.50496	0.505665	0.969902	0.96062	1.066254	1.278621	1.640786	1.717838	1.626553	1.535924
Cplx2	1.273253	1.399496	1.103345	1.215555	1.471701	1.434644	1.650849	1.635783	3.305235	3.466455	3.964389	4.128084
Tes	3.18148	3.143159	6.601488	6.607977	13.47008	12.66358	19.90518	22.01095	22.10392	22.43538	14.45976	15.35308
Dl3	2.849398	3.551349	1.112123	1.124897	1.077715	0.93966	0.864366	0.895093	1.630411	1.175903	3.749292	3.038453
Sox7	1.138577	1.255171	1.107082	1.342233	1.727891	1.708299	2.699625	2.316354	4.059611	3.419319	4.553473	4.553722
Tnfrsf25	1.310023	1.454536	2.08395	1.746861	1.563483	1.549586	1.275909	1.580107	0.484905	0.572851	0.552164	0.515132
Elavl4	0.797835	0.871123	0.906207	1.10367	0.878817	0.826456	0.8261	0.869792	2.554782	2.802077	2.377365	2.509326
Gdf11	0.903964	0.888645	1.424627	1.507544	2.262116	2.19071	3.107593	3.022939	4.346923	4.357806	4.507352	5.107631
Krt42	3.22663	4.657664	2.153542	2.058849	1.227134	1.281306	0.907669	0.607874	0.941769	0.646649	1.114477	1.044648
Tulp2	2.15406	2.288976	2.928365	2.509369	2.142066	2.052481	1.809656	1.937376	1.501959	1.277969	0.894407	0.742486
Hist1h2ai	3.119597	3.056163	0.743021	1.206397	2.717278	4.0729	3.355482	2.146584	2.316693	3.4907	2.719864	2.739333
Ifitm5	1.649184	1.87459	0.614147	1.088767	0.7686	0.846972	0.595919	0.661965	1.190446	0.971564	0.299654	0.322587
Arf2	9.669989	7.763492	8.212413	7.655965	9.824073	9.446505	10.32257	10.76534	12.7142	11.99274	24.84057	25.83959
Wnt7b	0.329754	0.401039	1.817694	1.503345	1.469861	1.324169	1.34461	1.100544	1.440271	1.844903	3.890517	3.714383
Xlr	0.130184	0.136624	0.446914	0.379483	0.606896	0.465402	0.577381	0.907105	0.819906	0.8931	1.203478	1.280289
Urah	6.28012	4.191891	3.987421	3.384213	2.986156	2.061329	2.549705	1.790428	1.380832	1.536889	1.22973	1.003722
Lrrc8b	2.534931	2.973637	2.068418	2.283473	2.643667	2.539887	3.583271	3.117874	6.46715	6.464319	7.405761	7.692987
Runx1	0.468023	0.472457	0.476402	0.500223	0.659626	0.610474	1.044433	0.735672	1.378003	1.069733	1.793243	1.682584
Gyg	4.445485	4.628271	7.417871	6.859517	9.495365	9.154983	13.61815	11.72896	19.18859	19.0152	22.51866	23.05131
Sigirr	4.526321	4.9201	5.369279	5.113273	3.884271	4.064975	3.018588	3.202977	2.099288	2.377747	1.954785	1.523192
Serpina3m	0.728948	0.817498	0.359732	0.565988	0.485303	0.64983	0.71501	0.565004	2.044937	1.896285	1.179405	1.377876
Sparc	78.83125	72.75526	69.35686	74.05037	78.58219	74.98634	97.91562	103.5355	169.7343	155.3244	237.7123	248.4548
Phldb2	2.034213	1.98854	3.465967	3.300026	4.954902	5.1371	7.251397	6.633022	9.064423	9.194962	10.41351	11.07139
Atxn1	0.148532	0.213185	0.316149	0.331543	0.455531	0.466745	0.585375	0.424257	0.692945	0.785784	0.936962	1.112084
Ubxn11	1.150441	1.408617	1.320194	1.471497	0.939845	0.923245	0.686937	0.722012	0.635977	0.53892	0.380828	0.438831
Pdk1	97.87241	89.40818	32.85782	31.7727	24.85152	24.34471	18.73575	18.96377	14.36004	16.9758	9.620534	9.479903
Amfr	10.38265	9.359106	16.77161	15.86857	21.67191	21.31975	26.09985	28.26462	34.43837	34.32253	50.66806	53.15313
Tmem88	4.799722	4.694113	10.37151	10.10568	9.55081	10.5879	10.72763	9.154191	3.819798	3.162694	3.852849	3.625887
Alox5ap	1.299969	1.420539	3.960165	3.104958	2.080988	2.773981	3.021954	2.805424	1.291678	1.368033	0.840181	0.927703
Ppm1n	3.320723	3.389068	2.650247	2.076557	2.790147	2.62351	1.660228	1.982728	1.177774	1.118169	1.127012	0.784725
Sncb	1.478308	1.140504	0.940293	1.592676	1.894819	1.377035	0.979182	1.110101	0.641781	0.623589	0.674851	0.477303
Klf7	1.403418	1.533211	1.440984	1.54761	1.829708	1.861442	2.015894	1.914565	2.192318	2.282573	4.876348	5.161001
Ripply1	12.19556	9.171495	4.089418	4.631871	5.220352	5.816847	15.41435	14.79405	8.773386	7.15194	14.41461	15.4457
Enpp3	57.42045	56.61473	28.16598	27.87113	19.52189	18.69442	19.3314	18.29731	15.78456	16.02476	7.677985	8.358929
Ptk2b	1.995315	2.486808	1.880459	1.949423	1.531675	1.385567	1.653858	1.092094	0.620007	0.585247	1.083406	1.030081
Tex12	0.588002	0.755084	0.867086	0.917374	1.568693	1.300932	1.089543	2.202829	1.403638	1.150181	2.476591	3.050075

Art1	0.852458	0.43242	1.272535	1.232161	1.861281	2.351706	1.996621	1.885268	1.188061	1.456273	0.563916	0.70844
Stard8	1.255927	1.405848	1.06636	1.172996	1.415922	1.288257	1.900992	1.737567	3.248271	3.007053	3.660516	3.893557
Igfbp4	3.809714	3.918172	2.770141	2.883261	4.74831	4.868186	6.345859	7.75613	10.46111	9.169329	10.43603	9.566539
Hus1b	1.511113	1.030084	1.716635	1.363029	0.863667	1.24634	0.886527	1.184509	0.443594	0.410815	0.780482	0.930168
Pde3b	3.134785	3.331853	2.792951	2.883229	4.12778	3.814478	5.065278	5.369073	8.808421	9.438819	9.880878	9.565561
Rap1gap	5.078034	5.535446	6.185278	6.460793	5.841524	6.393971	4.963938	5.445186	2.921068	2.834611	2.078992	1.948639
Apobec2	2.117224	2.480992	2.684421	2.559137	1.604923	1.421425	1.118182	0.923489	1.116737	0.956949	0.800351	0.772535
Acer2	6.863821	6.20048	7.620264	7.812074	5.709669	5.411659	4.439435	4.001934	2.93128	2.637227	2.759505	2.358741
Mmp2	6.116946	7.094711	7.277595	7.181423	11.86667	11.13676	15.63341	16.47599	23.42958	23.76869	20.31172	19.59905
Man1a	0.647416	0.673688	0.985591	0.934278	1.121129	1.188738	1.394048	1.141096	1.532376	1.779524	2.981627	3.091965
Ablim2	1.532385	1.364548	1.672137	1.545781	1.71208	1.538428	1.415853	1.91992	0.980242	1.287018	0.516193	0.580143
Ctcf1	0.294857	0.231973	1.144889	1.140337	1.276206	0.925324	0.819403	0.757566	0.417153	0.569956	0.542987	0.344758
Tmem44	1.936203	2.112395	1.692952	1.971422	2.301509	2.597719	3.280598	3.367389	6.124559	6.513038	2.777569	2.730851
Meiob	1.39525	1.235662	0.680854	0.643505	0.685788	0.751085	0.417685	0.798089	0.4296	0.593636	0.219145	0.241613
Pla1a	2.400969	2.14612	0.642026	0.679912	0.377785	0.340786	0.314034	0.356494	0.289027	0.223173	0.388126	0.20613
Tnnc1	0.560254	0.057463	0.174414	0.461697	0.474802	0.315764	0.62673	0.585026	0.382633	0.571862	1.149082	1.040548
Sfrp4	3.580508	3.541319	0.854513	0.988216	0.573321	0.490529	0.421349	0.613863	0.447734	0.310432	0.34261	0.30011
Ptprz1	0.27487	0.296885	0.764547	0.817769	1.338316	1.183729	2.06693	2.242278	2.467528	2.692247	1.258703	1.440898
Mtftp1	9.993812	9.68226	8.845965	7.919475	7.794438	7.58796	6.44383	7.40706	4.201898	3.82275	3.194835	2.406204
Syngr4	1.27302	0.961663	1.2696	0.875976	0.541175	0.476915	0.622363	0.82393	0.36784	0.346444	0.84155	1.13939
Tcea3	33.42311	35.79272	12.42058	10.91976	7.328266	7.244553	6.666655	7.829913	3.609177	3.324341	3.087258	3.829253
Hist1h2bf	2.578636	3.160602	0.628801	2.025254	2.147839	3.698658	1.869619	3.456575	1.416023	2.429634	1.214329	1.126951
Helz2	0.503924	0.566609	3.285815	3.546029	3.1178	3.272382	3.265671	2.92079	1.803496	2.147738	1.083845	1.080497
H2-Q6	1.408826	1.138432	1.963779	2.263961	2.539429	2.969113	2.622915	2.944647	1.136054	1.168448	0.687759	0.905058
Sox1	10.2033	10.21326	12.03475	12.45035	18.69633	19.84041	32.03653	26.98349	45.84569	40.84124	33.4413	32.41964
Mt3	8.432666	6.640227	6.731051	6.819723	5.768892	5.193526	4.818131	5.226813	2.823106	2.28078	2.20414	2.080642
Icam1	18.64312	19.04268	14.05065	13.39135	9.799386	8.681743	7.743838	8.081805	4.16519	4.086319	9.088902	8.037688
Ceacam20	1.747588	2.487756	3.940605	3.85625	1.967274	1.969743	1.849199	2.070759	1.209731	1.47456	1.262993	1.177169
Car14	4.159506	4.046272	0.626088	0.62124	0.65957	0.692842	0.568844	0.74044	2.176039	2.034449	1.377551	1.594549
Fzd1	0.566161	0.425524	0.953845	1.011181	1.413167	1.412722	1.666601	1.857571	3.271498	3.201207	3.821232	3.30803
Id1	15.64331	13.54222	5.986364	6.171548	5.140672	5.452052	6.958007	9.413821	19.01109	16.47876	19.95929	17.83357
Cdk14	0.541098	0.724949	0.988872	1.252353	1.659644	1.588767	2.330662	2.05869	3.85232	3.759836	3.992821	4.095956
Rbms1	12.92325	13.3016	23.52077	23.02312	31.65892	31.26797	40.48124	39.64051	68.51292	65.49881	70.55225	75.2938
Spesp1	0.26721	0.267693	0.66921	0.771425	1.264921	1.234518	2.213369	2.519903	2.199828	2.120559	2.840302	2.190917
Gpr124	0.587914	0.645943	6.503841	6.165327	7.826448	7.893673	11.21891	9.85348	8.05318	7.574147	20.25124	20.13397
Slc22a15	0.12999	0.098358	0.256668	0.328957	0.437744	0.430393	0.556935	0.490755	0.567741	0.584758	1.006916	1.073801
Cdk18	3.652119	4.177934	3.488598	3.413506	4.106421	3.493014	3.092739	3.766586	2.537891	2.598605	1.327403	1.154056
Ankrd45	1.971781	2.463992	4.078356	3.470612	2.142746	2.209877	1.906203	1.574347	1.346116	1.063706	1.631941	1.589619
St3gal2	5.684382	6.750835	10.62857	10.2197	12.74455	12.32756	15.50807	14.23284	23.96788	21.91311	31.59585	33.32491
Ubash3b	0.415696	0.387477	0.788643	0.779673	1.353702	1.490418	2.048096	1.718607	1.964326	2.140085	2.434493	2.540167
Gprin1	0.280034	0.398156	0.938273	0.804539	0.999779	0.904623	0.99418	0.992947	1.327916	0.981345	2.744827	2.620889
Morc1	50.02922	48.28068	32.01275	31.1767	23.97775	23.36062	20.16172	23.20305	11.41615	11.69139	9.000672	9.575664
Fam57b	1.011243	1.196422	0.620867	0.718006	0.829402	0.640534	0.858027	0.844452	0.391876	0.310378	0.372694	0.259403
Ephx1	4.397628	5.012424	3.478113	3.367461	2.46444	2.471007	1.879008	2.23433	1.45578	1.468791	1.223251	1.034883
Npm3-ps1	2.671064	2.233777	2.67641	1.771974	1.641788	2.417398	1.311511	2.130322	0.979829	0.743359	1.612367	1.002806
Zbtb32	3.350947	3.305532	3.333444	3.659748	2.33637	2.791046	1.823354	2.376359	1.395999	1.640562	1.396556	1.125404
Tshz3	0.312143	0.390287	0.674381	0.789669	1.031478	0.985439	1.481594	1.526076	2.508984	2.567376	2.256876	2.507792
P2rx3	0.400131	0.524128	0.712832	0.985675	0.767767	0.881631	0.835915	0.75008	0.901248	0.985656	2.795479	2.437328
Gli3	2.080925	2.599711	4.195304	4.432957	4.527104	4.731099	6.74481	5.116945	12.21137	11.9579	13.57297	14.39746
Acp5	6.825059	6.386185	18.30127	17.23062	17.16685	15.52731	9.356646	10.69249	5.721312	5.636903	5.512472	5.313065
Chst11	0.635133	0.618456	1.246005	1.351604	2.011763	2.015921	2.481827	2.560858	3.305005	3.206313	4.286466	4.381556
1700086OC	0.901384	0.878039	1.459566	1.086066	1.416717	1.507139	2.043873	1.528275	1.812405	1.381495	3.420687	3.519995
Aifm3	1.675557	1.66006	1.298286	1.517351	1.388613	1.368523	0.998755	1.30854	0.647246	0.82903	0.451777	0.468296
Syt11	1.904228	2.025127	2.299581	2.373888	2.382826	2.481416	3.212482	3.192937	6.445369	5.970788	7.390462	7.691685
Paqr4	0.867838	0.740761	1.208125	1.411208	1.720408	1.511931	2.131877	1.962922	1.96019	2.470071	4.470765	4.567105
Opn3	1.12699	1.448465	1.312503	1.165363	1.63066	1.411295	1.825263	1.469956	3.39396	3.218521	3.610784	3.770121
Gpa33	29.10822	28.74347	11.23261	10.37856	6.575514	6.508918	5.460846	6.056383	4.678622	4.698278	3.766626	3.209611
Ptprn	1.503295	1.596111	2.751554	2.424641	2.653071	2.646596	2.491786	2.650615	0.863553	0.900174	3.694542	2.909723
Ngfr	4.479148	5.053568	1.043446	1.034473	1.227057	0.933869	1.516587	1.441646	2.409912	2.15939	3.127604	3.0184
Ppm1l	0.747312	1.099109	1.962586	1.854089	2.364593	2.262589	3.190991	2.493407	4.484198	4.757732	5.570174	5.991781
4933406JO	2.143468	2.194287	3.263144	3.097373	1.846783	2.026105	1.787409	1.79491	0.77166	0.958825	1.661327	1.286182

Efemp2	1.912791	1.746582	2.099114	2.113274	2.137195	2.650532	3.082762	3.07886	5.419944	5.142087	7.435092	6.823224
Chst2	0.09363	0.118042	0.331291	0.374004	0.632277	0.66532	0.918821	0.837826	0.951499	1.051719	1.414282	1.206062
Rasal1	2.026763	1.831113	1.98457	1.772252	1.852069	1.771867	1.681092	1.499286	0.920716	0.890254	0.613762	0.551093
Smagp	23.29009	24.36957	16.66922	15.17523	9.785251	9.027954	7.325468	7.907786	5.566062	5.244793	6.335198	4.719329
Qprt	12.07357	11.8073	8.518458	8.742322	9.562055	8.846826	8.448993	8.984764	6.126811	6.152779	2.817277	2.794563
Fam174b	0.618195	0.602014	0.931209	0.86406	1.353832	1.111563	1.600208	2.030091	2.473143	2.441157	2.575424	2.777436
Tubb4a	1.213218	1.271156	1.273305	1.526684	2.64049	2.017279	4.233043	4.375384	5.415988	4.906569	3.43703	3.227772
Pard6g	4.294097	4.460211	4.158441	4.261232	5.621273	4.963691	7.269499	6.740033	14.2037	13.68828	12.91929	13.33472
Irgm2	0.649587	0.634424	0.749993	0.77376	1.276386	1.359499	2.907034	2.485171	1.598783	1.589223	1.229044	1.215685
Slc5a11	4.161727	4.756182	2.779047	2.524195	1.429188	1.391936	1.070203	1.271436	1.183891	0.785947	0.812099	0.921627
Rab36	0.349471	0.349437	0.579	0.487615	0.489531	0.62698	0.676579	0.697808	1.118639	1.151034	1.722802	1.563786
Smyd4	5.169465	5.484158	18.812	18.59594	15.9371	16.19789	15.86176	15.84446	7.432983	6.833884	6.167013	5.80138
Galnt16	0.668064	0.577683	1.092364	1.222617	1.922078	1.742785	2.240815	2.116193	3.695994	3.884622	3.58188	3.914282
Cth	20.10338	17.2153	24.47093	22.34505	14.78006	14.85588	11.9874	11.31007	7.818745	7.352529	7.267876	6.980461
Rarb	0.272691	0.182691	7.091902	6.798285	11.28573	9.989661	15.55533	17.17739	21.63354	21.75318	20.01387	20.47563
Rhobtb1	0.319436	0.268598	1.269126	1.071337	1.462245	1.71009	2.281328	2.670852	2.881955	3.042821	3.55303	3.427956
Zfp600	10.34143	10.75453	11.1584	10.59815	6.514877	6.320208	5.193999	4.903155	3.426227	3.312578	3.348564	3.716086
Zic3	46.74303	52.6255	34.27244	33.36313	29.02126	28.94436	27.94033	27.20166	16.80519	16.93253	9.721847	10.43027
Fam151b	0.437038	0.398692	0.334919	0.34899	0.540192	0.42091	0.563048	0.644804	0.954216	1.115289	0.813815	0.726908
Bmi1	5.022663	4.74183	10.79656	10.66345	14.3513	14.42656	17.5979	20.14737	25.37845	26.05797	30.35048	34.03951
Mesdc1	5.115792	5.314671	7.595832	6.93779	9.091465	9.225801	10.51913	11.77756	17.35534	14.85132	25.34353	22.12232
Hpse	0.155102	0.265111	0.4602	0.470607	0.949023	0.950622	1.14549	1.217913	1.50495	1.498286	1.201552	1.366194
Ptpn13	7.480736	7.975995	7.560936	7.626831	10.11868	10.11411	14.83799	13.48844	23.83906	24.27511	17.02378	17.33172
Slc4a4	0.277199	0.394479	0.909709	1.01512	1.67499	1.646047	2.510983	2.162824	2.722568	2.902002	2.878322	3.227504
Mdfi	5.839251	6.085355	5.420135	4.827392	6.863442	6.216134	5.85365	6.382251	4.564241	5.161351	2.409532	2.007786
Gstt3	0.997715	1.104381	1.335542	1.708966	2.014314	1.61044	1.503421	1.620405	1.294306	1.292672	0.592867	0.53794
Hipk2	2.67973	3.741717	5.628733	6.125895	6.984647	7.343037	9.863637	7.636335	18.27091	19.44594	19.13986	19.42915
E130102H2	4.433832	4.453263	2.583028	2.288932	2.229886	2.608296	2.603065	0.82223	2.341555	2.075895	1.074708	1.270065
Sema4a	4.562758	4.921046	4.129861	4.123014	3.369787	3.353043	3.195052	3.451056	1.869168	2.097974	1.2536	1.30118
Rab26	1.385332	1.439665	2.154573	2.083463	2.637873	2.718355	3.031285	2.713655	1.61589	1.360557	0.673885	0.858139
Hist1h4k	16.1466	17.45232	6.74276	15.75519	11.19021	21.6408	9.717931	11.71677	8.213264	7.491362	5.617342	6.837185
Ret	0.172991	0.272671	0.752579	0.850429	1.443138	1.509568	2.524445	2.623944	2.723586	2.690513	2.077112	2.003014
Tmem229b	2.429525	2.513866	11.03598	10.7526	14.75069	14.65336	14.70146	11.32824	6.233003	6.70258	4.524992	4.637635
Abhd14b	1.484575	1.229496	1.367637	1.440629	1.320743	1.428456	1.132092	1.457665	0.465987	0.482539	0.404945	0.461471
Smad3	4.186962	4.895483	5.869183	6.002535	9.106859	9.087199	13.34528	11.46356	18.75209	18.77425	18.49466	18.96011
Gna14	1.92418	1.564237	0.73778	0.646466	0.374966	0.340867	0.337443	0.277074	0.302598	0.349226	0.302801	0.204692
Gm13580	2.029539	1.453463	0.790806	0.669322	0.462831	0.429172	0.666571	0.248412	0.769478	0.784537	0.865945	0.656306
Lclat1	1.606545	1.75642	2.137636	1.864279	2.335602	2.116348	3.271857	2.706897	4.363754	4.881675	5.79486	5.887377
Tmem42	1.737268	2.005038	2.394798	2.964178	2.468881	2.521202	2.154222	1.930349	1.835197	1.395581	4.721753	4.405501
Bmp7	1.982247	2.149396	2.134345	2.214245	3.442094	3.00068	5.094603	4.444073	6.863962	6.989202	5.370137	4.924409
Slc47a2	0.863957	0.725704	2.113498	2.242478	1.964818	1.886391	1.487741	1.557636	0.984628	1.103276	0.937158	0.710503
Tspan6	6.969979	6.323264	9.884314	10.12825	14.53568	14.40293	18.29801	19.83553	27.36924	30.37892	29.42933	31.94502
Zbtb8a	14.46887	14.32083	12.16781	11.64371	7.57755	7.939274	6.385711	6.481834	4.595099	4.074701	3.533841	3.691997
Acvr2a	3.406473	3.349896	4.187152	3.950196	4.809014	4.633803	5.570756	5.563715	10.70759	10.94746	11.6595	12.45358
Mgll	0.399002	0.308679	0.582122	0.54356	0.842035	0.735482	0.978838	1.233035	1.49749	1.485597	1.998002	1.713383
Mtss1	27.25509	30.70263	27.52964	25.32904	16.86638	17.13107	14.52529	12.37518	8.164037	8.0503	9.465911	9.763256
Zfp459	12.09362	12.0088	2.455544	2.494612	1.635885	1.629802	1.064848	1.100763	0.855102	0.918023	0.718099	0.793424
119000710	15.54075	14.38628	14.86645	15.69977	11.84125	13.20791	9.394091	9.818524	6.43284	5.401558	6.264064	4.994287
Ampd3	2.481271	2.594294	3.795875	3.419085	2.910954	2.815084	2.626794	2.449819	1.325288	1.325687	1.188006	1.087962
Zmym3	11.88943	12.4252	30.00758	28.96074	26.59522	26.16426	22.66665	22.96542	13.48775	13.63423	9.171829	9.216098
Slc18a1	0.517188	0.646281	1.373287	1.550356	1.26204	1.384955	1.18807	1.293923	0.462603	0.493816	0.439346	0.547765
Cd47	1.627257	1.39373	1.611603	1.61423	3.012947	2.787897	3.870981	3.730183	5.042314	5.063913	4.888141	5.067107
Cd37	1.554358	1.819714	1.644076	1.620696	1.078505	0.816356	0.65675	0.590219	0.682838	0.691214	0.651029	0.516496
Efh1	1.281313	1.129548	0.97145	0.860269	0.912634	1.141836	0.935094	1.061714	0.678076	0.879939	0.396961	0.364104
Plekha4	2.36336	2.201596	2.40387	2.197408	1.361623	1.535837	1.128638	1.215725	0.78526	0.701258	0.96277	1.281988
Shf	4.661832	3.812243	3.10324	3.491145	4.707008	4.60534	5.925449	5.536661	9.612308	8.191136	10.1397	10.93327
Apobec3	50.34331	49.45474	27.0295	28.05735	23.32715	22.23777	19.81401	23.13692	13.83118	15.63158	9.406014	8.961802
Il17d	11.92896	11.53504	6.059119	5.564195	3.728378	3.586831	2.69581	2.686893	2.088884	1.777723	2.295283	2.708583
Irak3	6.737574	7.044258	6.230505	6.679615	4.658885	4.651452	4.600977	5.281438	2.373869	2.134572	2.976781	2.610468
Syt17	0.685128	0.811398	1.942936	1.654727	2.466131	2.409653	3.046539	3.333157	1.671718	1.63408	1.396784	1.0661
Slc30a2	3.38271	3.742193	8.293827	7.453695	5.927623	5.543218	4.363158	4.459285	2.317501	2.384613	3.803781	3.307684

Usp17ld	0.263875	0.138317	1.186384	1.230255	2.303192	1.930835	4.493329	3.844658	3.938912	3.759206	3.582501	3.751745
Rcbtb2	9.926302	8.928996	10.46593	10.79567	14.05385	14.02844	16.7142	18.19302	30.09063	29.9323	32.11273	33.72259
Cilp2	0.359912	0.470605	1.995553	1.681438	1.954983	2.18107	1.852228	1.770824	0.92576	0.699355	1.172561	1.268561
Tbc1d10c	1.293562	0.93042	1.066932	0.885568	0.699571	0.570285	0.519257	0.586505	0.460996	0.284161	0.582038	0.463957
Chst14	1.108297	1.342087	2.131433	1.70872	2.782969	2.948718	3.211909	3.139422	4.883488	4.7167	5.224974	5.320689
Asgr2	0.176969	0.202187	0.665972	0.696336	0.851945	1.023645	1.111848	1.297123	0.556456	0.593406	0.715921	0.416707
Onecut1	0.183792	0.375785	0.381365	0.43975	0.320779	0.350829	0.806978	0.544828	1.163991	1.091554	1.02182	0.794589
Evpl	0.439305	0.619945	1.836961	1.745545	1.658743	1.575024	1.22378	1.512315	0.645858	0.635292	0.694968	0.561306
Asic2	0.310612	0.42593	0.297136	0.372279	0.680095	0.363389	0.580248	0.682001	1.308462	1.129575	1.113771	1.088929
Pcsk9	2.203911	2.575324	1.872956	2.43162	3.98166	3.531603	5.665509	5.164564	7.517495	7.557468	3.236142	3.159307
Popdc3	0.336517	0.376885	0.664848	0.667927	0.870628	1.092241	1.695766	2.073989	2.154196	1.996268	2.098471	2.014885
F730043M:	2.130537	2.248709	2.028468	1.971431	2.157931	1.939775	1.649899	1.981097	1.11487	1.22149	0.400936	0.638719
Srf	15.01766	15.34491	18.06328	16.69671	17.76968	18.22766	19.76372	18.88195	20.95913	20.86569	52.65938	51.74597
Sirpa	1.742248	1.931512	1.721426	1.654434	2.65983	2.274901	3.725549	3.672158	5.049492	5.124811	3.49763	3.818073
Cdkn1a	20.05322	20.66848	20.31669	19.07342	25.59672	26.48387	32.66539	30.25504	29.21696	25.62846	58.56755	59.08089
Aoah	3.439922	3.887764	2.432692	2.020946	1.604549	1.625183	1.151916	1.221921	0.793502	0.748655	0.578523	0.65248
Cmtm8	1.721856	1.354263	1.71075	1.47424	2.725568	2.947007	2.983433	3.171457	5.070795	4.562695	3.517414	3.410267
Farp1	2.939348	3.442313	5.487618	5.624731	8.299193	7.541603	11.22318	10.17932	14.03254	14.14046	17.5148	17.40399
Zap70	1.463773	1.349066	1.029122	1.216647	0.763383	0.869175	0.757363	0.60595	0.406358	0.393271	0.693857	0.628626
1700001L0	6.271293	6.25788	5.340801	6.198736	4.044234	4.182716	3.4942	3.633748	2.211198	2.004926	2.207573	2.104749
Plek2	1.744955	1.623638	1.833861	1.944097	1.94553	1.83573	1.399557	1.746784	0.857981	0.894068	0.70483	0.629325
Polr3gl	13.70117	11.23672	9.347238	8.371251	7.817841	7.541817	6.714643	6.338716	4.570329	4.149344	2.678803	2.71003
Rest	55.98137	69.47088	75.76841	73.82703	51.03408	51.4297	41.4024	34.66853	25.36041	26.40681	24.09518	23.93577
Tbc1d12	1.38798	1.213087	2.61352	2.284661	3.711898	3.922441	5.840829	6.024019	6.690699	7.0437	5.992973	6.191361
Kdm4c	34.29288	35.2638	24.5415	25.2184	21.74165	20.85628	17.57909	16.76537	11.4509	12.12412	7.976236	8.189548
Lmna	8.158267	8.271623	8.937019	7.673017	7.072249	6.578308	6.329155	5.940062	5.699899	5.200504	17.78339	16.01023
Wfdc10	0.263469	0.31592	0.933355	1.054284	1.932257	1.259571	1.997874	1.531604	1.164603	0.725569	0.3804	0.497585
Gfpt2	31.97696	34.965	29.77644	30.59313	26.56394	26.19222	22.94836	23.69595	10.80114	11.49674	11.05221	9.944475
Pgc	1.784402	1.590048	0.638813	0.806099	1.000841	0.625923	0.811439	0.371425	0.441192	0.424142	0.293148	0.262126
Slc1a2	0.250649	0.32136	0.405698	0.479481	0.673817	0.756694	1.486847	1.172182	1.359608	1.473962	1.045341	1.225402
Hoxb5	0.014369	0.083778	5.733292	6.066993	10.52641	10.89357	16.71457	15.22423	21.79526	18.645	18.88007	18.47251
Adm	1.523031	1.566882	0.401754	0.36185	0.550676	1.111575	0.816273	0.370891	0.55325	0.367965	0.703265	0.799696
Stra6	0.491954	0.653963	10.16466	10.18404	15.00386	14.44724	27.38351	24.23319	33.65046	31.26551	25.406	24.78994
D8Ertd82e	2.928657	3.960656	4.055523	4.068505	4.940894	4.473047	6.341118	5.559339	9.57534	9.655194	13.08785	12.48951
Phf2	2.828998	3.087393	4.407537	4.218922	5.565199	5.623039	6.060466	6.067773	10.11784	9.663173	14.00907	12.9499
Aff3	2.914297	3.300127	3.122672	3.132393	3.997099	3.907132	6.322165	5.731666	9.811791	9.613512	6.567424	6.423426
Phc2	9.648952	10.55581	18.24266	16.1041	24.20091	23.76865	35.60177	31.72341	51.85024	47.92299	50.72892	49.39128
Rps6ka3	5.857423	6.609534	9.243087	9.207715	10.5999	10.23	13.14727	12.22142	18.53603	18.75694	25.90901	28.23944
App	8.125091	8.056442	8.736284	8.267537	12.62179	11.70835	15.9342	15.34268	23.82951	24.63913	24.57418	25.3455
Frmd4b	1.901451	2.076077	1.806065	1.99647	2.38272	2.208065	3.447915	3.500961	5.684447	6.118506	4.992463	5.212185
Zdhhc2	4.011222	3.84778	4.475941	4.849865	7.529513	7.06922	9.031663	9.772641	14.18726	14.86298	14.35835	14.55526
Kitl	0.905721	0.837372	0.682284	0.867374	1.163594	0.974625	1.713565	1.876344	2.638227	2.656784	2.475189	2.591456
Usp3	4.344213	4.743857	3.754633	4.001308	5.340944	5.016453	6.444654	6.285723	11.76273	12.25444	8.58823	9.121705
Bcl3	14.85392	17.66318	31.34244	29.34127	25.08003	24.74647	20.51696	20.41885	9.779311	9.583482	21.30842	16.92384
Nfix	0.191751	0.155024	0.387678	0.503257	0.959426	0.837413	1.200268	1.069829	1.369306	1.211882	1.602952	1.54018
Tuba3b	1.440459	1.386019	5.138276	5.229517	7.832231	8.621957	13.54155	16.00082	13.29921	13.56663	17.30612	15.5945
Ptges3l	0.193635	0.245126	0.332173	0.643155	0.537036	0.47941	0.640639	0.800873	0.692065	0.841429	0.984932	1.466492
Hoxb8	0.130404	0.137499	23.04855	22.81339	47.38126	48.86771	77.74716	69.687	86.8706	69.41341	70.1725	67.12927
Dgkk	0.154992	0.223203	0.583578	0.693332	1.016151	1.015887	1.470858	1.27075	1.428355	1.606558	1.903799	2.117557
Fbn1	0.38611	0.503089	1.606364	1.532229	2.284986	2.112781	3.308756	2.533039	4.044712	3.862368	4.834183	4.679206
Ccnb1ip1	20.80045	20.07315	27.1871	26.84988	18.84175	19.28492	14.16831	15.25978	7.245956	8.794173	9.521219	9.11027
1700001G1	0.395903	0.442283	1.258209	1.124125	0.684439	0.732675	0.825127	0.490755	0.308202	0.368431	0.435787	0.561599
Lox12	3.206846	3.559056	2.056864	2.357564	3.811508	3.744234	4.502031	3.905591	5.18378	5.716225	7.412709	7.190409
Ctdsp1	9.403304	9.227912	12.59758	11.97981	15.57851	15.88744	17.04298	16.21408	22.31345	19.62216	38.10137	36.5343
1700067K0	0.592188	0.865444	1.357122	1.170314	0.936321	1.147151	0.912362	0.798665	0.621552	0.383891	0.621054	0.536516
Prkd1	0.613555	0.905854	1.740465	1.714543	2.578824	2.293885	3.83221	3.0641	4.055568	4.090884	5.298703	5.225032
Epha2	41.79122	46.49615	47.05984	44.52537	34.57636	32.90136	28.47383	26.85306	15.25323	14.61325	22.71682	23.45892
Zfp493	2.567921	2.192608	3.321667	3.434177	2.261514	2.325389	1.777636	1.844882	1.067422	1.272946	1.131445	1.127651
Lyz2	10.889	2.311272	1.415914	1.839473	1.388484	0.863597	1.441993	2.628407	0.970876	1.542132	3.884607	1.893462
Tex14	6.813559	7.466415	10.61556	10.04801	7.521781	7.41639	6.607683	7.586506	3.439725	3.83671	3.6393	3.303324
Ptges	1.51428	1.462251	4.359884	3.740875	5.932537	6.083078	9.385267	9.316874	9.571454	8.409024	11.57995	11.37335

Draxin	0.372314	0.403437	0.392265	0.402313	0.437979	0.360175	0.694681	0.657942	0.868898	0.970903	0.938676	1.094903
Cldn12	9.372762	10.23214	11.25083	11.23634	12.2923	11.58225	13.85472	13.12828	17.67568	18.07638	32.39408	34.15468
Cenpw	16.8453	12.16663	20.0608	16.93175	18.27985	18.69157	14.66541	11.91852	7.179394	6.15048	8.62538	8.228531
Otud7a	0.590652	0.656111	0.486502	0.646412	0.930671	0.84803	1.283396	1.466699	1.734742	1.962322	1.785776	1.857345
Slc39a6	6.42664	7.085913	8.508177	9.290993	10.42819	10.52471	12.88715	12.71279	21.46109	20.95425	27.26858	28.19974
Grip1	1.527373	1.677868	2.091165	2.334796	4.13444	3.924154	5.503296	5.08995	7.240133	7.085572	6.375437	6.717242
Tekt1	2.464969	2.631726	2.44076	1.950798	1.697336	1.272975	0.90269	1.13362	0.777277	0.928774	0.568809	0.643277
Ramp2	1.678568	1.545542	0.398021	0.511307	0.872233	0.99141	1.028579	0.792745	1.93911	1.550399	1.234778	1.210497
Grrp1	0.791388	0.464489	1.300403	1.043801	1.659344	1.550317	1.182559	1.529106	1.498469	0.874762	0.951755	0.511617
Gata4	3.236393	3.207085	3.859783	3.395537	4.140865	4.355178	5.530744	5.210518	10.67421	8.597597	10.53421	10.28734
Usp25	4.17229	4.449089	7.127165	7.721237	9.349665	9.547676	11.37768	11.1219	19.76583	20.00288	23.2307	23.39064
Amot	1.650172	1.854016	2.572913	2.379282	3.205836	3.06434	4.851687	4.068955	7.364159	7.206293	6.343293	6.503864
Fzd5	16.19533	18.90962	13.49259	12.79344	8.914162	9.036998	7.746482	7.028369	4.855486	4.647518	4.776242	4.227425
Epor	0.451892	0.706527	0.816913	0.834341	1.212559	1.061863	0.669913	0.845606	0.518245	0.424834	0.339943	0.351202
Gm13939	3.419941	2.9618	0.71416	0.646816	0.34471	0.514116	0.397015	0.382163	0.087645	0.279189	0.112499	0.213969
Foxc2	0.037136	0.015543	0.253424	0.346017	0.664683	0.502697	0.482398	0.567565	0.572934	0.691804	1.272963	1.045166
Akt3	6.551036	6.781099	5.986363	6.183737	9.866465	9.486385	12.8668	11.93172	16.86673	18.67527	14.70368	16.08596
Fgf15	5.256285	5.142092	0.369964	0.445018	0.400635	0.381652	0.509229	0.699509	0.302793	0.291474	0.286561	0.231678
Vnn1	0.367069	0.359181	1.058662	0.965065	0.833907	0.876402	1.299768	1.377303	1.69485	2.060151	2.420617	2.645259
Hormad1	14.98156	12.77496	16.70164	15.64074	9.530257	10.93841	8.308729	8.777886	5.166389	5.185872	7.096958	9.967347
Jam3	8.705847	7.5692	9.461015	8.79713	12.40037	13.24463	16.37696	17.94707	25.02515	26.5135	21.85254	25.84381
Phactr2	0.752233	0.667866	1.726458	1.821746	2.52336	2.374762	2.859583	2.823114	4.95374	5.063656	4.951285	5.489591
Gm13247	24.79859	25.03981	18.17471	18.15904	11.05937	11.04371	7.388294	8.531106	5.99293	6.030345	5.802823	6.766825
Zhx2	0.364724	0.478561	0.781267	0.849711	1.136895	1.029943	1.5053	1.681475	2.537463	2.248571	3.143698	2.558564
Arid3a	2.931065	3.443827	3.539271	3.48641	4.996214	4.70552	6.308965	6.084591	8.390172	9.052718	11.51288	10.49027
Igf1r	4.297107	5.617545	6.391446	6.984005	7.893405	7.508407	9.981071	8.310582	14.1262	14.4441	20.75136	21.0142
Egln1	8.136586	7.316005	7.999394	8.595617	11.73027	10.93882	13.643	13.02678	24.63466	23.62235	25.78728	25.862
Csn3	0.127089	0.072606	7.444189	8.302921	10.21496	10.81566	13.33083	10.49823	4.210792	3.59525	7.904389	7.671383
Tsacc	2.421895	2.539661	2.149177	2.712863	2.114186	1.781111	2.224607	1.171677	1.185671	0.901947	0.749771	1.095755
S100a6	4.513821	3.739881	12.92495	10.90389	6.858021	7.872889	7.974666	5.279881	4.224843	3.625514	13.85806	10.01386
Ndrp2	12.30081	12.45814	3.527693	3.246613	2.997799	2.894311	2.388235	2.911539	1.904013	2.614572	1.555037	1.079612
Cnr1	0.889456	0.872041	0.916511	0.849983	1.507746	1.501074	1.450692	1.363964	1.961051	2.060002	2.376675	2.552179
Pdlim7	9.849867	10.18272	18.73727	17.48322	18.41155	19.00997	19.22908	17.13082	17.0444	16.2622	54.12729	48.79919
Fzd8	0.927156	0.978643	1.735212	1.749073	2.630073	2.735116	3.787391	3.487718	4.163582	3.772568	5.901586	5.244392
Dab2	5.778735	5.28609	5.748904	5.861625	6.969567	6.777753	9.534874	8.523116	19.71932	17.56077	14.9625	17.12869
Pdzd3	0.572964	0.444527	0.323479	0.590992	0.581526	0.469543	0.491764	0.580198	1.18337	0.890686	1.635383	1.404793
Vmn1r53	0.968558	0.86985	2.182723	2.151247	1.3646	0.937481	0.914899	1.21136	0.998856	0.719057	1.402621	0.986273
Caps2	1.442044	1.272558	1.432971	1.371703	1.312673	1.529518	1.016768	1.222045	0.494926	0.511296	0.382779	0.540229
Tmem82	0.876034	0.862902	1.248847	0.895824	0.681029	0.821881	0.761614	0.614544	0.346268	0.372113	0.447663	0.299603
Hist1h1d	7.024107	8.284545	1.939512	3.839625	4.09949	5.859075	3.779058	5.039472	1.959964	4.468578	1.906066	1.959655
Rasl11b	3.806063	3.323766	5.972708	5.624722	7.603158	8.073793	11.891	12.45473	12.11813	10.45141	17.40612	16.80725
Pacsin1	2.662154	2.573305	3.840135	3.625298	4.219959	3.455897	3.623978	2.941777	1.968528	1.793507	1.311489	1.213288
9530068E0	16.34868	14.36341	13.94571	14.00535	17.6121	16.99754	22.74451	21.99265	40.18417	41.00461	41.70908	41.84701
Padi3	0.743392	1.060638	1.31106	1.531066	1.685542	1.26415	1.516942	1.628313	1.122612	1.281583	0.454748	0.545082
Cradd	7.219383	6.976289	5.975765	6.337251	5.202802	5.005269	4.543885	3.891389	4.236956	3.521274	2.422122	2.121753
Ppfia4	5.113387	6.000561	6.120978	5.476993	4.474648	4.730246	3.788512	4.642677	2.440512	2.614796	1.870889	1.834361
Cela1	1.260981	1.038427	1.203879	1.438892	1.498781	1.271379	1.301132	1.317207	0.33899	0.483468	0.553863	0.482294
Oas1g	1.489025	1.621405	1.174068	1.249092	0.855957	0.812806	0.644448	0.663773	0.443724	0.554491	0.543998	0.418858
Myc	15.12142	17.79271	11.35457	10.51382	7.306181	6.761775	6.06921	5.824069	9.395886	7.250464	17.52279	17.34771
Klhl29	0.234968	0.247804	0.473147	0.582938	0.820988	0.826997	0.940219	0.898602	1.664297	1.735613	1.689066	1.723158
Pbx1	5.435179	6.170491	16.80879	18.94293	30.84168	29.65124	44.18797	38.70147	53.79461	56.3561	37.07272	39.35955
Sowahc	1.263741	1.03802	1.653974	1.391032	1.712641	1.583253	1.913632	2.070434	3.103194	2.931763	3.532594	4.137277
Bnip3	76.42092	60.00303	13.10184	16.44353	21.58975	19.74412	14.10846	16.3074	17.65886	24.01343	7.722171	8.076023
Hist3h2ba	1.936077	1.445561	2.662535	2.105658	4.131959	4.898503	5.891337	6.259123	5.019671	3.189867	3.610393	3.535082
Gpx8	3.708199	3.121935	6.763512	5.623697	9.480581	9.227448	10.86671	9.825482	13.48334	11.93868	15.96363	16.71122
Fzd2	6.255542	6.08172	9.251935	8.622382	14.19487	14.08718	22.03176	20.382	26.30372	25.62068	24.36233	22.56288
Lamb1	17.52273	20.43646	29.47457	28.50595	30.23528	28.78679	41.66369	36.40626	76.0094	71.84595	78.61609	84.69144
Zfp90	0.390496	0.458788	0.629222	0.43532	0.680786	0.737898	0.945902	0.801299	0.951029	1.015199	1.059798	1.292854
Il4ra	0.43579	0.419406	0.698623	0.758075	1.170889	1.109347	1.910092	1.905241	1.871661	1.783313	2.627524	2.251117
Atf4	70.48827	55.74878	141.0985	130.0107	97.88572	105.4469	78.08002	80.98437	65.76528	54.445	161.8118	161.6469
Nck2	6.115722	7.515076	7.012523	7.614192	10.25152	9.928742	13.15165	13.45823	23.01914	22.60251	20.99858	22.52403

Egfr	0.239006	0.296611	0.493604	0.433979	0.509203	0.460221	0.527671	0.426983	0.583589	0.618465	1.282838	1.267363
Cd3e	0.64429	0.855325	2.149254	2.074412	1.374389	1.422216	1.084902	1.30549	0.737533	0.734368	0.920142	0.698948
Pml	40.48398	48.0012	53.63305	50.35611	39.07487	35.65342	31.47282	29.73513	23.11459	22.5067	17.6415	16.97189
Gulp1	1.55986	1.583682	2.737314	2.422205	4.160159	3.972859	4.873701	4.510472	6.950271	7.186086	3.153303	3.683333
Ncmap	0.231857	0.212689	1.50267	1.339533	1.157572	1.348548	0.993079	1.007642	0.439122	0.454946	0.721833	0.467985
6330403K0	0.997395	0.881288	0.80321	1.127768	1.456266	1.5809	2.40022	2.729208	3.422652	3.34233	2.792677	3.02178
Rbp1	1.085395	0.869861	13.99575	15.34194	28.0841	29.34278	37.86788	45.41796	28.71444	26.19167	30.14592	29.03859
2410137M:	3.473946	3.91387	3.526094	4.300287	2.189902	1.886201	2.581443	2.654899	1.920548	1.918068	1.344492	1.453345
Cd109	0.484897	0.55463	0.52231	0.531341	0.566946	0.658376	0.714372	0.61583	0.699618	0.755337	1.549699	1.571103
Rcn2	12.77589	11.4736	12.18516	11.52204	14.87396	15.67669	18.13234	19.9946	28.84889	27.39582	33.05364	34.06416
Hkdc1	0.349542	0.300537	0.356959	0.459068	0.555065	0.512397	0.552218	0.519709	1.084127	1.104122	1.046511	1.357066
Dapk2	1.161914	1.058432	1.214878	1.024211	1.172277	1.268641	1.031878	1.190191	0.602203	0.521322	0.466892	0.429194
Ophn1	0.334382	0.438464	0.512794	0.627594	0.882169	0.91294	1.237553	1.36614	1.836195	1.85503	1.413918	1.626736
Parm1	0.764187	0.972772	1.51446	1.809953	2.106125	1.993877	2.750814	2.200941	4.896808	5.348717	5.510312	4.936902
Sox10	0.081465	0.086712	0.879125	0.878522	1.587984	1.441819	1.598577	1.4511	1.9999	2.347696	0.938392	0.795339
Fam20c	0.831843	0.601217	1.508427	1.235113	1.517536	1.765163	1.870569	2.185037	2.320754	1.795756	3.677448	3.6414
Acot11	0.644558	0.693824	1.059537	1.316906	1.31672	1.137404	1.183997	1.425208	0.821394	0.751571	0.369179	0.483445
Anxa5	7.723352	6.592078	8.192965	7.989221	12.49625	12.18933	17.28582	18.2385	17.6876	17.08794	24.03273	23.5502
Emx2	0.013729	0.028732	0.547476	0.582997	1.152873	1.381557	1.788372	1.526877	1.629818	1.281378	1.52986	1.717648
Dmrta2	0.227294	0.275082	1.544224	0.921557	1.722294	2.175764	2.393551	1.395427	2.087516	1.859442	3.08682	2.714786
1110002L0	3.886236	4.34835	4.468303	4.53395	3.521464	4.266552	2.97075	3.085953	2.092772	2.486579	1.548576	1.539735
Erf	49.7699	48.25558	166.898	156.8252	165.4369	168.7679	152.4215	138.6891	63.46837	57.34279	69.94772	63.70876
Tgfb2	0.64868	0.653837	0.91449	0.966169	1.288278	1.151757	1.584059	1.390831	2.179717	1.999599	2.546907	2.842846
Gpm6a	0.888268	0.827014	0.970521	0.823904	1.721742	1.77878	2.543379	2.346164	2.306167	2.422481	1.579219	1.43597
Crip1	29.04691	20.48658	14.77149	13.59535	15.66322	17.38804	12.71384	9.478737	7.264108	6.562133	9.840432	5.915668
Gm12794	0.888776	1.044077	5.485647	5.655856	9.032026	8.204776	15.82206	16.62297	12.7842	13.44763	11.48207	9.186705
Apoc1	19.03796	16.84059	17.89169	15.45329	16.84814	17.87806	10.53505	9.238687	8.505494	6.517139	7.091817	6.085427
Tex21	2.331259	1.807799	1.607071	0.893537	0.812621	1.054904	0.605212	1.163991	0.351834	0.515548	0.413992	0.396207
Ttc28	0.429156	0.582882	1.125038	1.054181	1.753691	1.519234	2.440012	1.952071	3.055593	3.095359	2.768412	2.75346
Cdkn1c	12.53487	12.0326	17.63867	15.67808	13.33109	13.64096	16.24328	16.38285	28.71689	30.9548	49.5586	40.04068
Krt7	0.645715	0.39953	0.5831	0.723784	0.767793	0.750803	0.692948	0.778447	1.035513	1.379995	3.000131	2.124476
Slc35g2	0.177119	0.213679	1.156871	1.16083	2.089243	1.933919	3.136443	2.564426	3.236264	3.403612	3.196747	3.404296
Panx1	4.569529	4.317755	5.338462	4.934597	7.21124	7.142868	9.243317	10.54032	11.78814	12.29742	13.83581	14.45773
Kirrel	5.298266	6.876654	7.21577	7.368924	8.577316	8.817646	12.73181	10.70898	17.18169	17.11414	20.22111	21.57611
Slc52a3	1.93427	2.206083	2.102682	1.800084	1.192438	1.35333	1.349798	1.475023	0.847373	0.729337	0.692769	0.614859
Galt	7.208253	7.512385	7.748369	7.091221	6.426143	6.605423	4.381526	5.596823	3.451863	3.332204	2.49364	2.424277
Gfod1	2.529667	3.079103	1.060913	1.171529	0.768854	0.747764	0.560498	0.704345	0.43117	0.400682	0.693884	0.671634
Oas1c	2.241395	1.718469	1.001982	0.816524	1.318667	1.354489	1.168865	1.022852	0.834982	0.836683	0.678815	0.463314
Rtkn	1.066711	1.036858	1.356358	1.040131	1.458909	1.507637	1.988174	1.810774	2.588333	2.470098	3.59026	3.04059
AU015836	1.681855	2.160503	3.637018	3.53181	4.396276	4.016347	5.453283	5.676594	9.273358	10.31756	8.253908	8.149042
Sox4	7.544244	8.562418	15.59349	15.12456	24.25747	24.26829	33.18176	32.4893	44.00857	44.16005	43.24948	37.98339
1600016N2	2.238084	2.181776	2.400042	2.038674	2.351714	2.353392	1.842502	2.254309	1.526262	1.422619	0.853994	0.806194
Sertad4	1.368624	1.244859	3.583913	3.23815	4.735622	4.732489	4.794091	5.384964	4.01724	3.630744	8.868848	9.451728
Extl1	1.29974	1.577129	1.745546	1.385482	1.19641	1.173598	0.83074	0.999589	0.650743	0.609189	0.582217	0.474974
Foxh1	30.31623	28.02037	39.26176	34.66919	33.5486	32.71548	29.28324	27.56043	13.50167	11.89203	14.93709	13.45531
Gm1631	5.433463	4.39175	2.82974	2.989174	2.293203	2.931631	1.190172	2.632161	1.337031	1.07928	0.919852	1.025668
Dusp2	0.374801	0.339932	0.37171	0.487286	0.410771	0.596311	0.849619	0.637647	0.950548	1.001579	1.720723	1.419927
C330046G1	12.39959	11.69298	3.265854	2.515777	1.177937	1.501914	1.075823	1.826903	1.119656	1.052066	0.850616	0.863377
Zfp41	10.13894	10.17135	11.51865	11.42748	13.78464	13.21767	16.70766	15.64327	33.19022	33.28625	29.48063	28.40998
Jazf1	0.228664	0.305929	0.784656	0.699816	0.896615	0.935206	0.79677	1.021162	0.874327	0.922289	1.436108	2.035555
Plcb3	26.84511	29.03038	67.70057	64.97139	62.63189	59.3142	59.99719	64.97356	37.64837	38.49042	22.65761	22.34685
Mtap7d3	8.15092	7.286968	4.080767	3.993828	3.234267	3.297652	2.318099	3.080162	1.708265	1.723712	1.307134	1.373954
Ttpa	3.610686	3.576326	3.325126	3.94389	2.656983	2.403604	1.826791	1.815856	1.485333	1.669305	1.122261	1.35788
0610043K1	1.542161	1.414828	1.024068	0.644839	0.819006	0.90146	0.834793	0.610646	0.844219	0.555275	0.288785	0.310607
C1qtnf6	0.788878	0.723318	1.141142	0.904547	1.477705	1.458329	2.266861	2.399938	2.724424	2.624315	1.783894	1.930625
Pnma2	3.145759	3.74362	4.48496	4.62172	4.31135	4.060251	3.723061	3.482321	2.049996	2.24585	1.506454	1.59359
Stmn2	137.3877	120.4389	56.31392	55.54966	43.79705	43.43034	37.93365	41.57485	23.10425	21.97277	20.63091	19.15614
Cdk6	3.278309	4.490695	2.10004	2.195887	1.62936	1.526238	1.504885	1.555962	1.932161	1.862787	4.6276	4.424799
Fez1	5.649369	5.204348	6.604599	6.127209	7.053706	7.137388	6.532068	6.844581	18.91493	15.47472	15.57991	17.76123
Spock1	0.366697	0.304317	0.331681	0.346949	0.615536	0.719265	0.871171	1.005601	0.908967	0.893197	1.155228	0.953369
Hoxb2	0.051627	0.05494	1.537022	1.254134	2.798038	2.803073	3.492873	3.633919	3.315043	2.43262	2.457396	2.025042



Bhmt	0.229111	0.213511	0.72876	0.744247	0.965477	0.952207	1.1797	1.147138	2.151151	2.155921	2.134223	1.881793
5830418P1	0.73267	0.843993	1.773267	1.826616	1.396843	1.367463	1.343171	1.226549	0.652803	0.630714	0.568452	0.725885
Vcan	3.100455	3.817588	2.894687	2.826101	3.255258	3.13632	4.18831	3.910934	7.774234	8.180542	7.63065	8.111292
Oplah	1.879753	1.833557	1.618536	1.59406	1.982659	1.766522	2.174539	1.950405	3.710473	3.897963	4.176901	4.613064
Letmd1	1.804934	2.164534	4.679419	4.979515	6.111068	6.341483	8.276447	8.813702	13.02501	13.14028	14.29299	14.40982
Cox6b2	54.87496	49.16252	38.48951	41.27081	44.09671	44.10406	35.63969	33.8084	19.19453	16.36732	16.91061	15.24564
Tdpoz3	0.603863	0.384051	1.275363	1.35867	1.668592	1.683298	3.903444	3.926933	3.305857	3.708284	3.04885	3.256593
Plin2	13.90381	13.67403	30.00485	30.40048	33.91778	33.38443	44.50049	44.55849	45.24309	41.92405	93.26287	87.80913
Parva	1.608018	1.808655	5.289907	5.403185	7.603104	7.243679	10.89653	10.6527	11.81079	11.82043	15.72215	15.60441
Zfp711	0.339513	0.274518	0.472064	0.468714	0.762693	0.582053	0.819424	0.887552	1.316956	1.353232	1.035187	1.235586
Skap1	0.115581	0.191835	1.034689	0.87914	1.586791	1.32922	1.393067	1.476481	0.584128	0.697345	0.50763	0.511412
Rgma	0.444841	0.53277	4.706277	4.348055	6.787226	5.59423	9.282642	8.207622	13.28061	11.97621	13.29929	12.54864
Ube2j1	5.652569	5.205349	6.934705	6.215821	8.839618	8.64421	9.803038	10.83387	14.42714	13.81338	17.60085	17.92422
Rpl10l	62.69416	65.73718	150.2669	137.4126	107.0976	105.5248	95.61874	100.8811	52.94032	47.65458	68.55102	58.62376
Ubt2	12.56684	13.98059	17.29581	15.35269	18.75084	19.40448	23.76085	20.74749	37.62544	36.69037	42.28989	44.2421
Layn	0.20329	0.191779	0.395021	0.355514	0.857268	0.801612	1.177269	1.023413	1.052478	0.877939	0.627753	0.99468
Slco2a1	0.708599	0.557059	0.482733	0.548726	0.441101	0.558297	0.610902	0.579093	0.999469	1.163968	1.527052	1.579481
Serpinf1	1.485327	1.08859	8.787544	8.373154	13.00115	12.24954	16.83345	19.57059	20.94731	18.60326	23.78302	24.09802
Rhox10	0.396422	0.167736	1.028003	0.789933	1.400656	1.539535	1.645129	2.272716	1.342975	1.366577	1.788069	1.21691
Snn	8.499573	7.640999	7.502607	7.164392	11.13705	11.00239	15.40578	14.22809	20.50029	20.61236	14.21644	15.03718
Gm13128	0.553142	0.535025	1.043116	0.980155	0.865809	1.051993	1.696462	2.363498	1.8897	1.994813	2.389858	2.81978
5430417L2	0.61957	0.62276	1.245487	1.571104	2.243922	2.329963	2.301572	2.410132	3.611507	3.411337	4.423192	4.518962
150001501	0.334716	0.397582	0.245752	0.570051	0.86925	1.212099	1.404792	1.298977	1.395959	1.639378	1.394922	1.4493
Gpsm1	4.37065	4.494681	5.560239	6.010728	9.26675	9.148294	11.4086	12.34494	16.36144	16.83113	17.7068	17.27209
Pik3ap1	0.293208	0.301572	0.730311	0.65685	0.746835	0.83962	1.094969	1.290413	2.015712	1.886729	1.000954	1.496944
Sh3bp4	5.318063	5.811067	6.733113	6.642215	7.441091	7.468899	9.659961	8.763536	13.42675	12.9451	18.28107	19.07508
Zfp113	1.652093	1.746813	1.831653	1.778557	2.188487	2.013868	3.027985	2.832308	4.26043	4.618897	4.826749	5.101357
Glrb	0.406041	0.364462	1.100553	1.031185	1.694738	1.65235	1.975562	2.614902	3.109696	2.957375	2.424227	2.7653
Rbm46	0.371199	0.421402	0.941262	1.10519	1.076349	0.886277	1.52133	1.08581	1.3723	1.338384	2.262093	2.541443
BC051019	0.505013	0.392856	0.951901	0.766306	0.741811	0.705579	0.804282	0.886092	0.630017	0.413264	1.454609	1.184857
Mthfd2l	2.056495	1.993882	1.8892	1.896377	2.343999	2.358371	2.689621	2.70508	4.235206	4.147178	4.721258	5.43521
Igfals	1.634058	1.538547	1.255037	1.321921	1.144559	0.847192	0.878389	0.999062	0.472514	0.57656	0.597314	0.461226
Rhd	1.89279	1.837507	5.596066	5.555647	3.870631	4.437175	3.808803	3.559918	2.074435	2.59251	1.722197	1.939155
Samd12	1.360136	1.653979	2.926416	2.503997	2.665091	3.329944	2.999171	2.987721	2.555807	3.138381	1.222957	1.16282
Ulk2	1.859776	1.91912	2.288795	2.334305	3.608523	3.639272	4.323186	4.390474	6.204817	6.466419	6.445758	6.678854
Marcks	19.55394	23.12822	25.474	24.39059	30.33958	30.23209	44.7999	36.75964	77.76439	68.85863	69.01635	69.78564
Arnt2	3.3584	3.607778	4.736642	4.468282	6.676718	6.446143	7.755693	6.989364	10.98597	11.11835	11.64202	12.78413
Ppef2	1.072657	1.371577	1.33285	1.215338	0.974382	1.087319	0.959264	0.762569	0.519496	0.556166	0.369099	0.424882
Hoxa1	1.370886	1.37352	15.73437	16.3502	30.27032	30.85679	46.92411	46.76299	36.85101	35.38224	30.56537	30.15297
Fgf5	2.266175	2.071347	0.16874	0.263065	0.161243	0.103848	0.212476	0.206133	0.307084	0.200532	0.255568	0.296988
Cobl	26.74311	32.50136	19.0979	19.2126	12.15253	11.83694	10.43772	9.774063	7.045869	6.822068	6.496529	6.720666
Rapgef3	2.358683	2.417448	2.242976	1.999896	1.547365	1.256405	1.207288	1.705677	0.520176	0.699737	0.864998	1.051084
Rnf103	2.391367	1.915371	3.447818	3.404214	5.558614	5.247386	6.209595	6.734327	7.811069	8.110955	9.656055	9.725616
1700007K1	10.69705	9.947647	9.286918	8.234351	6.62205	6.671518	5.683775	4.155703	3.250674	2.883244	4.663863	4.348021
Hist2h2ac	1.432797	1.960092	0.47547	1.12997	0.582416	0.780842	0.611498	0.630903	0.728673	0.873056	0.474991	0.395805
Ankrd13b	4.710592	4.909819	4.784853	4.833061	6.169007	6.550156	7.459075	7.066591	15.05066	13.78246	11.94905	13.58999
Mkrn1	188.8267	184.9073	144.2398	138.1976	116.2946	110.1901	104.8054	104.4431	65.50267	61.91985	49.00751	48.47879
Etv4	38.02594	38.14245	39.51199	35.85229	25.54517	25.15851	17.69796	17.78797	13.02866	12.58886	18.28324	16.5888
Rara	14.19283	17.89869	31.47012	30.39378	24.21098	23.16979	16.56033	16.28714	11.53312	11.07974	11.69831	10.67481
Myh7b	1.200165	1.198905	3.099097	2.857306	3.113946	3.015909	2.685351	2.50191	1.54202	1.49496	1.084607	1.059853
Cd164l2	1.371138	0.949682	1.063557	0.705919	0.693975	0.958857	1.017754	1.093249	0.343304	0.993131	0.366334	0.384317
Spn	1.033143	1.192906	0.753375	0.599939	0.597379	0.327418	0.500061	0.525893	0.318068	0.363309	0.19869	0.211168
Wdr1	41.34645	46.53921	45.68408	43.89894	44.0845	43.21746	53.66429	49.8241	54.97979	49.94626	124.8444	122.7599
Cables1	1.374124	1.452763	1.430602	1.40153	1.941094	2.021005	2.216529	2.266648	3.579663	3.475154	3.961418	3.980424
Fam114a1	2.10794	2.111747	2.07243	1.921129	3.669793	3.029067	4.412005	4.98143	5.609513	5.448862	3.113432	3.29138
Nrxn2	1.355878	1.534027	3.217454	3.167669	3.422472	3.388185	3.522725	3.149311	1.911083	1.865973	1.263113	1.195059
Kcnt1	0.20568	0.201648	0.702022	0.747709	1.000067	0.994843	0.955746	1.099755	0.503629	0.706814	0.455807	0.388297
Rpa1	60.76045	59.83821	198.5874	189.5188	193.9065	195.5984	208.7342	215.4575	95.81314	98.76265	76.43917	76.0818
Fam81a	7.174251	7.327301	7.150292	6.956825	6.043264	5.424849	4.106885	4.45431	3.483008	3.714721	3.069426	2.457487
Mxra7	5.806451	5.164159	6.131867	5.894677	8.760423	8.312701	11.43845	10.63199	18.72601	16.68472	13.66285	12.62
1700008l0	0.193791	0.22837	0.571258	0.466224	0.997855	0.857869	1.117118	1.319456	1.046921	1.129572	0.981375	0.743178

Rhox9	1.323683	1.246696	1.649162	1.666783	2.29542	2.041107	2.309224	2.825184	2.91362	2.436589	6.330646	4.713956
Gpr4	2.117238	2.413385	2.043487	1.857392	1.522188	1.374111	1.109627	1.186303	0.908232	0.833752	0.619782	0.656964
Bmper	0.675041	0.632227	0.56475	0.723602	0.679865	0.770682	0.968005	0.803153	1.506936	1.280384	1.76731	2.044903
Fblim1	73.3256	72.72014	76.90617	75.57462	63.52245	60.12575	52.21905	53.6833	27.76542	26.74713	39.90476	38.11944
Tgfrb1	7.923834	8.118392	9.290414	10.46566	12.00002	11.70503	15.18577	14.50144	23.56179	25.11214	27.04497	29.56914
Lrrc16b	0.797172	0.7211	0.555197	0.5825	0.690695	0.621082	0.689892	1.064231	1.742852	1.645557	1.311813	1.575157
Nyap1	1.577498	1.972784	3.326271	2.982863	3.2732	3.326225	2.95061	3.102908	1.687083	1.651391	1.35926	1.177697
Arap3	1.219041	1.243522	1.942119	1.794633	2.189832	2.028014	2.425165	2.574819	1.716221	2.067279	5.766697	5.066186
Bok	9.097291	8.2178	7.050584	7.009738	7.888819	7.087099	8.798886	7.406788	11.57521	10.4502	21.48971	19.76935
Hist1h3d	6.827012	7.141356	1.625213	4.416742	3.714123	6.076342	4.368265	6.77899	3.406697	4.782801	2.638128	2.406441
Bmp2k	1.077511	1.556762	1.880989	1.920668	2.055843	2.135081	2.569961	2.39189	2.902242	2.759839	5.285441	5.409776
Pced1b	22.60534	23.20891	28.67829	27.31073	22.68676	21.46505	18.65815	18.69993	11.34398	10.76647	11.01901	9.699348
Mcoln3	0.700637	0.720322	0.70264	0.814669	1.245119	1.129947	1.694997	1.7393	1.98157	2.293122	1.582101	1.668695
Hspa4l	1.799279	1.739311	2.582273	2.660828	3.556464	3.288951	3.84302	3.708231	5.448823	5.760823	7.239643	7.486782
Pstpip2	3.974185	4.462377	4.414145	3.592266	3.694341	2.908635	3.111358	2.150175	1.75376	2.604579	1.181139	1.276922
Camkv	9.194084	9.622789	5.549033	5.783668	5.508523	5.748105	4.36412	5.102652	4.07492	3.74933	1.73187	2.058094
Fhl3	4.55769	5.518249	7.554807	7.460011	7.951873	7.428893	8.741885	6.928668	7.830691	7.928938	21.29623	19.45367
Thpo	2.261557	2.756522	2.799988	2.800596	2.175677	2.328034	2.204547	2.1353	1.409515	1.200722	0.811828	0.998118
Sh2d5	1.010872	1.031607	1.198898	1.306704	0.902363	1.031726	0.620883	0.624186	0.461337	0.567907	0.397678	0.465774
Wfikkn1	0.427744	0.703203	1.109294	1.645309	2.806414	2.827607	4.455248	4.424102	3.265237	3.197054	1.242538	1.578377
Zfyve28	3.066953	3.129813	8.663143	8.996512	9.147294	8.607398	8.230057	8.853453	4.867191	5.059182	3.402852	3.210883
Klhl3	0.492236	0.60419	1.360851	1.153855	0.96924	0.980767	1.024171	0.876159	0.455325	0.599166	0.526742	0.411851
Ptpn21	4.275734	4.613546	5.788223	5.859311	5.78295	5.669336	5.964304	5.651692	8.274235	8.584109	14.87407	15.83029
Mmp15	1.939775	2.465502	4.832993	4.921023	6.987795	6.777741	9.078012	7.265046	12.12924	11.75652	14.26676	13.7694
Tmem35	0.336709	0.342993	0.523412	0.593285	0.798058	0.892257	1.788537	1.588301	1.65177	1.659756	1.480155	1.499463
Fbxo4	0.940423	0.997787	1.086822	1.087878	1.223458	0.923551	0.995476	1.167934	1.869287	1.761874	2.996225	2.582945
Gstm5	10.04054	6.941991	6.047923	7.283803	11.27516	12.08245	13.97883	16.44459	20.23215	20.3688	17.33461	18.25828
Cbs	6.352154	6.245761	4.720404	4.158216	3.161347	2.917694	2.308269	2.721557	1.680732	1.775853	1.603155	1.48732
Zfp667	3.295934	3.151456	2.972436	2.824573	2.748838	2.569599	2.224172	2.276583	1.87988	2.153327	1.051645	1.010666
Zfp768	1.83013	1.922238	3.494801	3.557443	4.933311	4.823796	5.892731	5.511319	7.721924	7.08228	10.42516	9.940267
1110019D1	3.847755	3.237281	4.392249	4.238432	3.428983	3.084722	2.845731	2.938964	1.950381	2.304922	1.453019	1.516871
Kifc3	8.50865	9.34012	9.177849	8.520879	6.829993	6.622528	5.715379	6.227865	4.058818	3.982056	3.843852	3.04955
Srcin1	1.41076	1.630456	4.808262	4.540428	4.545338	4.454034	3.862034	4.331917	2.254851	2.435524	1.51016	1.625601
Fam98c	2.220712	2.317291	2.865481	2.112074	2.108718	2.303888	1.681178	1.815046	1.269145	1.108623	0.783215	0.824935
Mettl7a1	5.640574	5.080848	3.708224	4.159058	4.600836	4.721631	5.036007	4.928138	3.252321	2.965548	1.850818	1.76586
Ndst1	5.950192	6.808655	8.032037	8.198988	9.771488	9.154383	11.95828	10.85587	18.21237	18.92121	22.15899	22.86114
Wnk2	0.907298	1.382684	1.672209	1.85939	2.667605	2.478071	3.191099	2.874406	5.039876	5.181226	4.203415	4.165831
Msc	3.657665	3.476351	1.57194	1.346795	0.855705	0.784361	1.173637	1.157544	0.918814	0.870983	1.915269	2.185027
Gm5091	1.927407	1.836773	1.91089	1.866862	1.863031	1.610432	1.559134	1.431056	0.58371	0.901202	0.817629	0.670401
Ptpla	7.217811	5.471207	5.337156	5.488773	5.606431	6.317592	4.976746	6.493633	9.348437	10.33533	17.04135	15.26281
Lrig3	6.470048	6.386741	4.896518	5.215015	6.162884	5.830114	7.20527	8.181489	14.3114	14.49828	8.95958	8.72739
Gm2381	14.13303	16.31344	13.21409	15.03677	10.99647	10.91204	8.857982	8.883229	6.415812	7.744086	4.518659	5.412352
Rnf219	3.104633	3.057906	4.270897	4.646436	5.716278	5.133491	6.074097	6.550001	11.31368	11.66229	11.63517	12.89992
Podxl2	0.542206	0.631703	0.866163	1.131681	1.871612	1.638437	1.852562	2.818431	2.959834	3.140906	2.659576	2.63854
Dusp4	14.7341	15.02304	12.87963	12.88633	15.07082	14.98169	18.69388	17.39556	35.34635	35.75582	35.50725	34.15009
Cdkn2a	4.005141	2.242132	7.649332	6.49422	10.84781	8.804485	13.65531	13.14373	15.75999	12.80162	17.82124	18.01468
Snx32	1.563908	2.110676	3.595014	2.989714	3.320321	3.152557	2.644835	3.23809	1.179605	1.811733	1.345147	1.168008
Bves	0.512761	0.538853	1.527954	1.572601	1.894178	1.510872	2.457952	2.508133	3.557442	3.580839	3.839645	4.186413
Mark1	2.160507	2.40125	2.428696	2.344099	3.572022	3.575475	4.16918	4.824857	6.401854	5.958027	6.329979	6.49098
Ncs1	2.487413	3.11656	4.501518	4.150228	5.365255	4.897437	6.37284	5.157092	9.264896	9.225167	11.31923	11.4915
Prrt3	0.574102	0.645255	5.142791	4.922615	4.156588	4.595859	4.524078	3.957602	1.994453	1.778836	2.717516	2.66796
Itgb4	0.818791	0.980044	2.069971	1.87772	1.722532	1.805613	1.821155	1.819421	1.354991	1.27659	0.756204	0.678658
Stard13	0.436415	0.485524	0.655502	0.856033	0.966354	0.797359	0.84303	0.828459	1.235306	1.008629	2.284882	2.206021
Rgs10	1.374232	1.157188	3.792975	2.966064	5.428022	5.336787	6.675715	8.201741	6.76146	5.419749	4.957644	4.670875
Zfp362	2.603882	3.540617	6.384448	6.764817	10.28582	9.860669	13.57818	12.45011	20.62688	18.70161	17.30287	16.45348
Epm2a	1.030744	0.778005	1.093276	0.929276	1.525872	1.531107	2.207496	2.095973	2.509014	2.519642	2.964652	2.568954
Emilin1	1.50706	1.886736	5.071617	5.212005	9.486214	9.254589	15.90021	14.40193	14.25604	14.28426	7.314051	6.282275
Itgb3	0.429265	0.688793	0.837247	0.68579	1.138605	1.078549	1.614284	1.482828	1.679381	1.894486	1.562033	1.506748
Cyb5r1	39.59156	44.20894	40.74204	40.02049	30.7777	30.57333	24.46188	27.07446	17.43004	17.13338	13.73084	14.49244
Hoxa2	0.575526	0.366704	1.810656	2.078794	3.691194	3.755067	4.416086	4.405116	5.732617	5.738106	5.422322	5.620269
Rab20	0.696744	0.438074	0.42599	0.741986	0.934097	1.155917	1.05764	1.037169	2.002226	2.04675	1.09584	1.226956

Slc35e4	0.716842	0.930186	1.134254	1.231976	1.576852	1.431722	1.614414	1.882028	1.724158	1.674833	4.056614	3.397449
Etv6	4.442977	5.429711	4.240088	4.471422	6.179017	5.593946	8.584926	7.119987	11.57001	11.57576	11.83862	12.32503
Fstl1	20.43668	22.30952	15.16025	15.58397	22.26485	20.7445	34.20044	31.91267	41.79776	42.9469	31.38788	33.44493
Pfn2	7.285997	6.397262	9.183644	9.095003	13.80635	13.67627	17.32017	16.31244	23.6746	21.96633	24.04977	25.04679
Fsip1	0.22832	0.392119	0.726185	0.518879	0.746488	0.870487	0.880352	1.428704	0.799149	1.062825	0.917534	1.025849
Klf6	9.12646	9.592807	11.23084	10.34425	12.60757	11.39928	12.10657	10.99159	12.80043	12.18724	25.47942	28.46939
Dgka	11.43031	11.11361	8.666157	8.558961	7.613699	7.813163	5.85526	6.225579	4.775995	4.554654	3.15121	3.110796
Psors1c2	0.644722	1.607718	1.135245	1.26808	1.410862	0.733138	0.746153	1.223103	0.568137	0.460904	0.73755	0.925595
Ltbp3	0.535656	0.50143	1.695696	1.405567	1.287838	1.063227	0.853221	1.119753	0.603793	0.64622	0.848437	0.510991
Mobp	1.563887	1.730906	0.574047	0.886412	0.864729	0.791736	0.884347	1.141013	1.810376	2.177728	1.745331	1.439432
Nckap1l	3.018575	3.788603	8.061691	7.920213	7.168014	7.208093	6.330674	6.905369	3.320211	3.306798	3.106186	2.879534
Lasp1	48.7329	54.41081	107.1099	103.6411	82.68659	77.78897	75.14567	61.73481	38.71172	37.68289	54.20003	48.36773
Rhou	5.495455	6.108428	7.47425	7.706136	10.32396	9.917143	11.21245	11.039	15.77129	16.13856	21.82319	21.19227
Nbl1	0.585161	0.329157	0.551586	0.821397	1.100512	1.070076	1.30919	1.20239	1.479955	1.23384	1.888003	2.258755
Hsd11b2	0.852249	0.824906	0.568383	0.637416	0.972169	1.068332	2.019516	1.752753	1.612489	1.622323	0.852976	1.039163
Zxdb	0.290572	0.266186	0.493505	0.539867	0.648115	0.64171	0.718709	0.617221	1.30658	1.255166	1.260926	1.483494
Sh3rf1	3.488084	4.203062	5.430413	5.264057	6.243516	6.133572	7.851938	6.585455	11.16965	12.43246	14.91147	14.46384
Gys1	9.087336	9.878131	22.10422	22.21191	15.37916	15.14496	12.9455	13.0866	10.83427	10.13593	8.580027	8.08815
Srgap1	0.979357	1.17665	1.444407	1.622192	2.296007	2.105834	2.691599	2.425509	3.409182	3.393917	4.374288	4.453916
Map4k1	9.087969	9.698976	9.320974	9.159395	7.574947	7.864503	5.951249	7.067397	5.211479	4.797387	3.786671	3.338697
Creb3	5.345849	4.201411	5.799223	5.784394	6.694502	6.811783	6.834811	7.96044	7.976367	8.901259	16.19966	15.86031
Fbp2	1.201403	1.144464	6.22862	5.761251	4.743751	5.390734	6.272548	5.730165	2.57779	2.321822	2.034195	2.102397
AI467606	3.214746	3.212213	3.194916	2.395912	1.943163	2.087578	1.463812	1.905961	1.040025	0.874366	1.071208	1.463978
Ghr	0.77755	0.811782	0.61467	0.710418	1.264024	1.098913	1.559089	1.627719	2.097598	1.9447	1.421175	1.47972
Angptl2	0.820659	0.851782	0.972592	0.902895	1.250327	1.251967	1.537952	1.698751	2.429685	2.46959	1.491257	1.426398
Rspo1	0.801577	0.865751	1.508506	2.050835	2.567743	2.198963	2.190946	2.555457	1.212229	1.090583	0.757824	0.934437
Pik3r3	2.323411	2.029024	3.052609	3.292011	4.684468	4.955389	7.439728	7.26587	9.237314	8.994459	6.067291	6.106492
Adam10	8.647349	9.455495	10.87947	11.6316	14.09198	14.18836	20.05707	18.27541	29.93216	31.75926	25.71836	27.83196
Stx11	0.353773	0.333931	0.510619	0.568365	0.596685	0.728463	0.760821	0.958467	0.813586	0.869489	1.794668	1.551881
Gprc5c	2.157104	2.588426	7.745701	8.060053	12.98615	11.99614	22.12914	19.74629	20.81694	21.99923	18.30063	17.19437
Cblc	1.321781	1.460018	1.403008	1.389061	1.066544	1.063123	0.838787	0.930574	0.626891	0.509278	0.336132	0.560061
Plxnd1	0.633694	0.650787	1.142709	1.254741	1.9011	1.794146	2.446399	2.402049	2.902566	3.18639	3.876324	3.420849
Cpeb2	0.535028	0.667908	1.140846	1.043418	1.241899	1.297451	1.479868	1.579867	1.462906	1.411359	2.577525	2.844284
Irf2bp2	8.294363	8.538235	8.610054	8.833795	9.430723	9.836118	10.83876	10.28677	15.25625	14.28157	25.38177	24.07324
Satb2	0.735871	1.188635	1.684235	1.844486	2.21714	2.2691	3.063861	2.710332	4.261707	4.288786	4.985763	5.024627
Slc22a18	1.402387	1.59495	1.137129	0.930352	0.843428	0.768987	0.471358	1.056925	0.544999	0.634804	0.494906	0.388002
Cib2	0.857296	0.576014	0.876071	0.759279	1.658964	1.39378	2.354428	1.602573	2.203697	2.066696	1.539664	1.451673
Pdk3	17.0267	16.74869	19.31798	20.26457	25.19863	22.11948	35.01168	32.59645	56.49605	55.14765	41.76712	45.3142
Rassf4	0.419199	0.443889	0.645745	0.670482	0.841845	0.782394	1.162459	1.115531	1.239	1.411062	1.81923	1.821738
Cercam	3.008708	3.174872	3.172421	3.052344	4.064157	3.975199	5.57665	5.213209	7.885689	8.284376	8.613597	7.711938
Snta1	9.345867	9.490461	8.187628	7.934549	7.88048	7.796531	7.581416	6.949789	4.916261	4.493775	3.381667	2.923799
Tspan17	5.058647	5.386067	6.934889	5.849868	5.880187	5.526931	3.665469	4.169249	2.526017	2.412493	2.078373	2.156295
Nlgn2	2.557423	3.551343	3.579569	3.416681	4.956777	4.613562	6.108478	6.026731	9.382509	9.263329	6.241183	5.876725
Eras	19.93327	17.91823	15.24259	12.22917	9.068797	8.474907	6.879794	7.049646	6.237792	7.239057	6.059883	4.510627
Naglu	1.156002	1.115116	1.546949	1.276035	2.570875	2.1479	2.858696	2.544737	3.403074	3.458102	2.81164	2.674828
Jakmip2	0.390919	0.37448	0.529368	0.459697	0.728936	0.834813	0.994511	0.9878	1.062389	0.898801	1.042351	1.245785
Pth1r	2.642042	2.373962	4.165386	3.718333	4.765964	5.033577	4.930814	4.412	7.946651	7.975591	10.44381	10.07615
Kndc1	1.909132	1.932904	0.840134	0.793246	0.709399	0.617643	0.653891	0.571472	0.373253	0.493995	0.359511	0.292895
Extl2	2.487404	2.336055	2.195397	2.353109	3.050358	3.042843	3.660975	3.844383	5.781293	5.533015	5.443003	6.368893
9330182L0	0.584832	0.636828	0.981151	1.054659	1.662473	1.591785	1.851683	1.759515	2.526863	2.853312	1.531319	1.532498
Nfkb2	3.203268	3.94776	5.551682	5.670402	5.713522	4.708396	5.495014	5.088845	4.592748	4.558288	14.31093	12.32697
Hmgn3	2.347158	1.569736	3.104441	3.341522	6.371953	6.179058	7.383597	9.029748	9.337513	9.026754	8.923261	8.597627
Ispd	0.276558	0.275361	0.606153	0.723951	0.883602	0.905929	1.009498	1.045363	1.296799	1.459037	2.044669	1.956176
Adap1	8.769729	8.824307	7.723002	6.645517	6.159052	5.892299	5.290644	4.857168	2.958914	2.460598	4.867381	4.527073
Rasip1	0.944455	1.025824	2.128773	1.707142	1.220162	1.268791	1.261654	1.141672	0.716382	0.632691	0.987567	0.720999
Sorbs2	0.342218	0.316845	0.417331	0.427484	0.505054	0.415458	0.422534	0.452258	0.751497	0.891621	0.977174	1.120925
Dppa5a	1426.002	1291	1092.597	1109.048	935.4223	964.1253	705.6972	750.4791	482.2662	483.2334	457.7247	411.0764
Bend5	2.152488	1.748918	1.816266	1.778529	2.195283	2.732365	2.681772	3.439315	4.554631	4.79068	4.122689	4.35079
Prph	3.718567	3.525646	10.91318	10.95314	14.11667	13.79735	13.90252	17.38983	6.843008	8.146888	7.250498	6.456812
Prr7	2.888599	3.088806	3.357013	3.571815	3.006586	3.380103	3.386393	3.032576	4.906248	4.837479	9.124371	8.166666
Rxra	3.597808	4.222089	5.523472	5.42584	7.429163	7.689363	10.16027	9.191874	14.13773	14.60414	15.30835	14.53891

Atp6v0a4	4.274658	3.665209	0.398315	0.25733	0.316429	0.304584	0.410156	0.439335	0.595875	0.692342	0.706156	0.531112
Rec8	7.595254	7.700721	25.75286	25.42973	40.0742	39.92562	51.68479	55.25767	48.27999	46.21462	19.59214	20.54341
Arntl2	0.972306	0.812369	3.213574	3.317236	2.445737	2.404684	2.347138	2.485255	1.180629	1.23429	2.326702	2.448268
E230016M:	0.333989	0.367283	0.600733	0.819661	0.773673	0.715114	0.743877	0.682254	1.009747	0.858445	1.810326	1.833584
Prickle2	0.556896	0.672971	0.516588	0.719837	1.111174	1.026635	1.774741	1.472795	2.011077	1.934038	1.712651	1.792601
Mpped2	1.661492	2.038981	3.344588	3.393965	4.823959	5.152327	7.688948	7.191334	9.551931	9.115779	7.025301	7.706896
Fgf3	0.72603	0.872861	0.445016	0.580646	0.41202	0.541745	0.450134	0.611576	0.938415	0.81653	1.797128	1.454919
1700019B2	0.323409	0.39565	1.346767	0.560787	0.862621	1.035245	1.138919	1.50577	1.021436	1.074823	1.181131	0.907011
Cnksr2	0.277618	0.328222	0.497385	0.598356	0.80046	0.80176	1.048466	0.963806	1.480969	1.60601	1.273368	1.391026
Gpr157	0.407647	0.342644	1.200561	1.09252	2.497616	2.515203	2.544394	2.410307	1.574608	1.638001	0.907893	0.937187
Itgb1	85.39994	78.47484	76.80096	74.36837	91.12431	88.72838	107.1853	114.7537	132.4485	143.3666	183.4113	199.5692
Med12l	0.33643	0.511714	0.598273	0.668056	0.960976	0.935993	1.102834	0.926931	1.563204	1.658153	1.758106	1.79271
Enpp4	3.352587	3.554586	7.495552	7.470155	5.57377	5.326811	3.778461	3.782256	2.771924	2.935585	2.986781	2.784412
Crim1	1.33874	1.385311	2.13037	2.069092	2.398188	2.301333	3.129929	2.697105	4.063497	4.005768	5.458581	5.54982
Prss41	4.78367	4.995317	4.079434	4.655803	3.847822	3.913223	2.457373	2.661986	1.723612	2.371202	1.348894	1.736089
Tgm2	1.783612	2.082892	2.021779	1.99261	3.361488	2.994761	5.147264	5.343578	4.644644	4.22357	3.373408	3.025151
Tha1	0.517612	0.559598	0.53643	0.609446	0.78023	0.790638	1.009163	0.977125	1.180975	1.213989	1.587501	1.633986
BC029214	0.643137	0.604263	0.929745	0.904744	1.637953	1.624882	1.132261	1.345467	1.615767	1.288359	2.491738	2.425398
Pkn3	6.615164	6.793402	6.765138	6.290557	6.186934	6.222023	5.042997	5.851614	4.522322	4.744795	2.522707	2.346864
Gm13152	3.496183	3.875963	5.616483	5.202082	3.505213	3.53972	2.700399	2.740213	2.125733	1.94097	1.59021	2.26975
Ube2l6	1.472181	1.577632	1.427787	1.550662	2.273988	2.238692	2.948583	3.454946	3.945728	4.155153	4.535806	3.115991
Gbgt1	0.785705	1.279692	2.128239	1.756382	1.433179	1.414348	1.291802	1.263832	1.436056	1.502618	0.660902	0.655968
Nop10	108.5841	79.38701	70.29282	74.67254	68.72789	81.54955	56.9461	46.23318	39.65186	33.19396	35.72662	30.48676
Phldb1	3.304891	3.63012	5.880479	5.671231	7.295524	7.413391	8.489507	8.168264	9.74822	9.740615	16.68526	15.16983
Slc16a3	22.38788	19.61231	7.318173	8.966836	11.61919	11.17182	9.505269	10.15183	10.72003	12.58936	4.921964	4.709903
Ccrn4l	9.052593	11.12073	12.38155	11.06649	9.426966	9.262327	9.677207	8.969663	7.474828	6.676137	18.33352	17.84239
Akap12	96.64378	114.1843	81.35911	82.51463	87.79633	85.36231	111.561	100.8798	151.0919	152.4246	211.3925	220.4566
Fahd1	6.671537	5.890784	6.262494	6.655257	6.042086	5.833871	4.895973	5.163041	2.901605	2.703656	2.593891	2.491493
Aldh2	56.27266	54.11333	63.98702	60.04203	47.43928	46.39646	42.0065	35.71692	26.41843	23.21057	23.59583	22.4812
Myadm	32.0342	37.23374	41.85453	41.31052	36.57928	35.12316	34.96752	28.87612	25.95842	27.01891	67.26067	72.15083
Sdc2	2.57678	2.75565	2.846833	3.122761	4.560345	4.402455	5.538997	5.431616	8.390997	8.334788	6.509791	7.030029
Phlda2	36.33572	36.68974	23.50773	25.63464	18.16884	18.48289	11.55227	11.94894	9.30436	9.605401	24.86206	19.45097
2610034B1	1.769614	1.517358	2.694936	2.742384	3.653587	3.488541	4.86196	4.466473	5.501425	5.142395	6.373857	7.310767
Ank2	1.078681	1.346465	1.981578	2.187954	1.753809	1.865421	1.996361	1.686927	3.808245	3.789869	4.156209	4.495805
Mrc1	0.744984	0.644523	1.804869	1.850452	1.686047	1.460876	1.470056	1.532463	0.672165	0.750386	0.784345	0.694349
Fam184b	0.635393	0.421049	0.658252	0.601336	0.952841	0.832527	1.313018	1.102889	1.797015	1.601799	1.072492	1.121239
Rftn1	0.540348	0.703396	0.817871	0.787973	1.420221	1.120771	1.704587	1.582011	1.901208	2.097387	1.943409	1.852245
Smarca5-p:	1.103833	1.129303	2.291817	2.48328	1.921626	2.078701	1.457893	1.680792	0.940324	0.933681	1.612918	1.778123
Fgfr3	0.607814	0.542781	1.852262	1.837286	1.872925	1.876676	2.116405	2.108743	2.412697	2.454391	5.764402	4.885965
EU599041	25.81025	24.99597	21.37229	22.36466	16.7091	17.24853	12.99832	15.2752	11.24465	12.24091	7.223361	8.410964
Igf2bp2	34.32937	36.39018	15.77098	16.13243	19.7887	17.75068	20.85796	22.56283	43.21253	42.88692	39.3844	39.38882
Snhg9	4.308338	3.235103	4.192953	3.480379	3.07869	5.444224	1.81775	2.048835	3.445785	2.090452	3.147929	3.085634
Gm14327	1.31837	1.238945	3.863314	3.602517	2.636091	3.179997	3.003733	2.713188	1.568332	1.357939	1.152092	1.627328
Yaf2	10.24085	8.664906	12.27911	11.59636	17.9037	19.04998	20.20752	20.72678	29.74052	30.03619	31.43016	30.75938
Hook2	21.56577	23.43083	18.36924	17.22998	13.50625	13.15334	10.15274	11.55112	8.726507	8.962253	6.450692	6.498077
Cdx1	0.069263	0.135483	6.184808	6.314112	5.684037	5.049621	4.453226	5.008083	2.616401	2.447838	4.017673	2.381693
D1Pas1	12.4649	13.18657	32.76778	30.37906	23.30565	23.09005	23.82273	22.09115	12.39316	11.46206	19.33542	19.25959
Gpr161	0.972974	0.997519	1.579848	1.779891	2.520606	2.568341	2.706102	2.832034	3.44682	4.194881	4.947453	4.713936
Esx1	1.300318	1.708933	2.406066	2.188329	2.880155	2.822538	3.066846	2.686825	5.778943	5.241717	5.670571	5.795617
H2-M5	20.13793	18.33062	15.63685	13.55167	8.165417	7.708492	6.899309	7.852477	5.684888	5.11976	5.473394	5.222991
Socs5	2.332475	2.449605	3.255381	3.260462	3.705981	3.382526	4.239802	4.151024	4.708983	4.964208	8.493829	8.625407
Rasgef1b	0.431234	0.592461	0.967342	1.228694	1.198412	1.049608	1.623767	1.551787	2.023115	2.323706	2.603449	2.776222
Tmem63a	2.841695	2.555106	3.034691	3.289586	3.506388	3.462759	2.923202	2.877804	1.342789	1.409643	1.41895	1.310131
Cep85l	0.74951	0.580624	0.92433	0.871542	1.264765	1.063467	1.382551	1.497796	1.722897	2.303403	1.926229	2.251882
B230208H1	0.722762	0.44174	1.707822	1.231695	1.195546	1.445069	1.550859	1.685867	0.883342	0.638185	0.912851	0.760501
Chrna4	0.242623	0.372933	0.804478	0.968172	1.37604	1.253704	1.738005	1.622125	2.024448	1.745125	2.843163	2.556118
Lefty2	22.44795	21.11838	7.662981	7.883509	7.605265	7.801969	5.75686	6.216096	3.020589	2.988927	3.008867	3.239895
Hpd1	6.75658	6.62371	4.077366	3.477116	2.923424	2.731648	2.099827	2.104343	1.986371	1.898701	1.552012	1.318746
Tlx3	0.079068	0.152253	0.435182	0.410351	0.419809	0.400088	0.44718	0.458582	0.516782	0.478429	1.134414	1.054362
Bcar3	16.9865	16.41236	17.77405	17.28011	20.18998	19.44234	20.32868	20.70508	11.57653	11.90314	7.658143	7.857554
Gdpd2	0.338704	0.347444	0.431058	0.500606	1.015052	0.907013	1.117021	1.065907	1.431685	1.317795	0.746657	0.84466

Msi1	10.41302	13.18279	20.84966	22.32031	26.67151	25.90678	34.35055	27.71935	52.73787	49.85814	58.63213	58.72884
Tmem132a	4.573065	4.913521	5.859653	5.909098	8.676957	8.011015	10.62915	12.22515	16.78303	15.51498	13.29432	13.71583
Dhrs3	1.155561	0.958147	18.78159	18.69528	30.25082	32.64286	46.88129	49.05302	38.35497	35.4931	23.2567	23.37862
Chek2	23.4731	22.75113	21.3921	19.68478	17.01211	16.46696	16.27987	16.01866	15.22993	13.58388	7.441216	7.508833
Timp2	1.740515	1.550754	3.37616	4.06764	4.977798	4.499923	6.108783	5.496679	8.631184	8.119271	11.19138	10.65428
Ccdc141	1.387239	1.520957	0.644966	0.558289	0.451159	0.464087	0.423663	0.522545	0.341516	0.391413	0.172487	0.21321
Sycp3	4.225495	3.73094	4.044055	3.823421	3.581294	3.500441	2.591409	2.445588	1.604391	1.522739	1.657534	1.461744
5930412G1	0.597328	0.393651	0.231659	0.426826	0.555407	0.492457	0.481166	0.501665	0.898648	1.116387	0.473212	0.446285
Rex2	13.1395	13.24354	12.30926	11.28749	7.991479	7.330473	5.743729	6.432047	4.195169	4.316554	3.812694	4.446495
Nin	1.756442	1.998193	3.117675	3.129117	3.61903	3.74688	4.564623	4.675058	6.492634	6.451722	7.81786	8.177728
Col5a1	0.844567	1.121223	1.757173	1.720508	2.37109	2.116336	3.007088	2.503369	3.408411	3.291918	4.683729	4.495976
Igfbp2	392.4413	350.0666	144.8299	133.9792	170.353	163.9416	190.7911	220.3506	315.9715	350.0428	310.6019	274.449
Dram1	0.963067	0.714237	0.449519	0.541745	0.911249	0.794319	1.281457	1.235541	1.455914	1.415226	1.352868	1.211365
St6galnac6	10.89164	10.27383	9.388242	9.122712	8.960446	8.981055	7.149369	8.565634	6.876548	7.151705	3.268644	3.495565
Klk10	0.81759	1.267868	0.990147	0.840819	0.579969	0.559883	0.659249	1.176869	0.856815	0.641268	2.285686	1.460242
Il20rb	0.389586	0.414535	0.60364	0.499313	0.662489	0.788354	1.052168	0.654428	1.074204	1.025517	1.176545	1.301701
Ehhadh	1.08927	1.058159	2.083404	2.032471	2.12928	2.150124	2.330773	2.624433	1.601577	1.743197	1.015839	1.006889
Ntng2	0.288802	0.441539	0.43892	0.782775	0.895738	0.838294	0.85952	0.933989	1.388026	1.449468	2.21149	2.040038
Syne2	2.257234	2.840918	2.180249	2.52187	3.155337	3.047178	4.049409	3.429089	5.62433	6.572048	4.509002	4.504016
Tpm2	3.800305	3.961228	5.429019	5.78269	6.996361	6.71226	7.255223	7.908148	8.054863	6.730637	16.93718	15.05945
Abcc2	0.377163	0.393836	1.066118	1.052549	0.995446	1.000697	0.82794	0.940028	0.416189	0.404241	0.463591	0.445795
Tnni3	3.644248	3.349754	2.353445	2.095698	2.050628	2.175008	1.062068	2.36391	1.639937	1.223736	0.559491	0.907985
Scd1	23.44756	26.96518	25.24931	26.18224	45.73237	41.37292	56.53876	51.89687	64.22709	68.13067	42.00737	40.5002
Rassf1	2.162824	1.904244	3.312475	2.480445	2.9486	3.115982	3.096008	3.433631	3.07548	3.115745	6.563538	6.453576
Gsta4	291.3702	278.7198	240.0412	238.035	210.4652	217.176	185.571	203.0417	135.4135	123.0782	82.56782	91.66732
Plagl2	4.160655	5.115373	6.069861	6.40678	7.356977	6.853386	8.668928	7.680785	16.93837	16.63627	16.48193	16.57726
Arhgdib	3.5163	3.580751	7.956281	7.855924	6.295157	5.281173	4.599533	4.562909	3.171306	3.026519	3.393142	3.198748
Arhgef19	1.364296	1.39861	1.166858	1.279974	1.238381	1.115179	0.911261	1.015865	0.599408	0.554502	0.552254	0.49318
Olfr147	0.484722	0.383376	0.91948	1.130198	0.949019	1.251318	1.190169	1.085259	1.159673	1.064227	0.725479	0.482146
Limd1	5.158726	5.478866	6.368799	6.356289	7.274985	7.389483	8.700221	8.215514	15.40511	16.16898	16.99612	16.49334
Tubb3	23.67958	22.55303	12.55122	12.31667	12.77497	11.52518	11.96541	12.34401	10.77468	9.565271	25.96483	24.81655
2610018Gc	4.987443	4.408934	4.260526	3.909878	4.062279	4.176299	3.222514	4.031162	2.297433	2.622835	1.458473	1.610051
Lrp4	1.841972	2.016915	2.750753	2.738113	3.557271	3.327228	4.649533	4.440725	6.082993	6.358778	7.028785	7.096812
Slc25a31	2.428483	2.004057	6.163447	6.111618	6.110433	7.000572	6.574479	8.219767	6.773485	6.926342	17.01934	15.83301
Snai3	0.912922	0.881326	1.924863	1.356593	1.47036	1.457335	1.481642	1.622209	0.964148	0.716074	1.964965	1.853894
Slc7a2	0.431349	0.510937	0.70464	0.702677	1.046257	0.959573	1.263285	1.078358	1.681157	1.81885	1.798878	1.789559
B4galt2	4.396603	4.409143	3.705147	3.642816	4.574839	4.402784	5.495632	5.461911	9.333693	9.105357	10.05404	9.428106
Vpreb3	2.370859	2.099116	2.803891	1.933015	2.071923	1.649445	2.109313	1.864397	1.371028	0.77495	1.014857	0.747033
Mast1	1.12258	1.566378	1.574518	1.586914	1.264233	1.325245	1.053614	1.106263	0.558574	0.665627	0.510472	0.613472
Zfp536	0.109434	0.137681	0.616689	0.532277	0.475114	0.421644	0.568773	0.486825	0.745287	0.726246	1.135966	1.089853
Hist1h4n	4.409947	4.413012	1.938115	1.548295	2.301741	4.001744	3.123501	2.615838	2.906882	2.729283	2.583081	2.334557
Col2a1	1.59924	1.886635	3.74545	3.794705	4.820886	4.531597	5.271781	4.986056	10.52037	9.807045	9.159266	9.687
Npr2	0.672531	0.662122	1.054062	1.057205	1.859107	1.785583	2.235946	2.253718	2.479393	2.655999	2.888783	2.731393
Dmc1	10.65768	9.944819	8.074552	7.561629	7.41422	7.196227	5.932991	5.901148	4.103446	3.889488	2.816869	2.928302
2410141K0	30.17776	27.56283	27.21811	27.36681	20.78778	21.38102	16.16389	17.6155	10.28207	10.60406	10.76484	11.26624
Ephx2	8.005871	8.163669	4.168612	4.025897	3.010193	2.825806	2.865241	3.316394	1.638205	1.739727	1.323711	1.560958
Fam19a5	3.530185	2.728917	3.752973	3.70068	6.813506	6.690058	8.388142	9.064004	9.814977	8.90369	9.76583	9.54423
Ly6k	0.281521	0.270053	0.873048	0.713096	1.427087	1.55726	1.330351	1.125758	0.903167	0.603994	1.145767	0.767798
Tjp3	4.344111	4.727558	2.694595	2.244061	2.279232	1.898138	1.582476	1.472346	1.318629	1.503755	0.894377	0.870414
Zfp697	0.464958	0.499147	1.009778	1.060258	1.600415	1.536098	2.080344	1.488709	2.281643	2.490544	2.734006	2.733342
Slc30a3	0.520744	0.702339	1.077458	1.109824	1.204583	1.288094	1.042517	1.099324	0.503544	0.599715	0.534105	0.499774
Spag1	3.957697	3.612114	4.202483	3.934761	3.956701	3.857542	3.443243	3.584333	2.64746	3.048879	1.71334	1.527031
Mfsd7b	2.396003	2.729945	2.903284	3.175105	3.288731	3.065594	3.419559	3.531946	4.751332	4.749233	7.957641	7.892798
Fam3b	0.502936	0.551908	1.341848	1.325884	1.144036	1.341969	1.541346	2.077064	0.891159	1.182639	1.019334	0.806895
S100a10	75.18968	58.4747	27.2979	24.9989	23.40928	24.69887	26.92636	26.88871	32.26464	31.439	62.40544	63.56299
Grb14	0.591296	0.747735	1.300047	1.333411	1.30405	1.347478	1.649789	1.608595	1.039835	1.094225	0.803218	0.625294
Neil2	5.96503	5.635867	2.68304	2.66588	2.178679	2.49278	2.136484	2.474349	1.79192	1.850948	0.683317	1.036439
Gm14393	7.926043	7.935923	7.673186	7.412676	4.903349	5.538313	4.14622	4.79919	3.061009	3.615607	2.943539	2.882497
Chrna7	2.407651	2.647234	3.040676	3.044756	3.006061	2.825143	3.24169	3.451713	5.770928	5.429185	6.156175	7.263731
Nsmf	3.04358	2.8702	4.263592	4.557779	7.37752	7.329227	9.012262	9.953511	11.34288	11.71798	11.19658	11.67776
Fuom	4.728727	3.961005	2.841062	2.817363	2.905096	3.192933	2.634707	3.087387	1.679174	1.591733	1.311694	1.241955

Tspan13	21.53593	20.10339	22.71656	22.05017	28.19782	27.54434	36.6851	35.95084	58.14154	56.64177	50.9272	51.19449
Il1rap	0.347938	0.267969	0.486646	0.561034	0.855459	0.741222	0.991413	1.036883	1.258719	1.440185	0.976167	1.215114
Ppp1r14a	30.58482	25.0225	30.60662	27.4576	30.01618	29.91198	22.82408	24.44856	14.19688	12.7	14.04803	11.65372
Shank1	0.474968	0.527734	1.781664	1.876366	1.562742	1.78579	1.667147	1.651595	0.827164	0.798894	0.77429	0.731542
Arhgap33	0.877083	0.753459	1.392903	1.222237	1.486115	1.380692	1.59546	1.576837	2.399793	2.568103	3.492716	3.134959
Synj2	2.252032	2.721321	3.238173	3.212635	2.812696	2.937743	2.768433	2.735961	1.95971	1.976511	4.606831	5.068808
Gm561	11.46788	7.331592	10.28153	9.82803	9.627035	10.46927	7.656083	6.666868	4.1859	4.082573	5.174244	5.237413
Slc39a14	23.71877	25.68018	21.37475	21.87522	26.30548	27.61052	42.37345	36.8104	62.36197	56.09601	43.95551	50.73192
Cadm4	2.324004	2.46477	1.868079	1.985302	3.122653	2.872473	3.867969	4.4026	4.839963	4.63693	5.46373	5.089592
Hist1h4h	4.774291	4.94129	1.834009	4.480921	3.199725	4.93464	3.048836	3.071627	2.459048	2.313563	1.453637	1.926168
Ltbr	2.400189	2.0514	3.52946	3.614885	4.493345	3.906461	5.013976	4.626651	6.434001	6.094488	9.908287	9.260778
Mpdz	4.472865	4.984922	5.965355	5.922692	8.077118	8.131452	9.928437	9.151488	14.52778	15.1717	13.27679	14.19131
Hoxb7	0.280374	0.197554	6.433931	5.80231	10.12108	9.358315	12.7183	14.8479	13.71093	11.99195	12.14634	13.80876
Smim3	2.356461	2.166068	3.09187	2.785254	3.259812	3.014199	3.358915	3.023683	4.553006	4.15644	7.517308	7.126002
Mapkapk2	10.89696	11.62934	19.51445	17.92646	24.57725	23.7449	30.96992	29.54236	34.47809	32.64964	46.88926	45.86135
Ak4	38.13023	35.8583	17.21132	16.17045	22.08674	19.97153	24.92106	26.05638	37.31981	41.35973	38.10886	35.11005
Dusp14	1.912417	2.208914	3.995595	4.385207	4.821277	5.382934	4.661002	5.459375	3.580386	3.184919	8.666776	8.146091
Apoe	300.3455	285.7329	191.0596	157.8847	134.3803	138.918	110.496	114.4964	77.38658	66.87445	67.52772	61.7512
Mocos	1.02035	1.289631	0.943033	0.924373	0.844802	0.809322	0.704373	0.89379	0.25229	0.361546	0.477217	0.470663
Col11a1	0.671137	0.723658	0.995244	1.026499	1.410795	1.309619	1.837224	1.717706	2.247954	2.62344	1.592309	1.554299
Rnf144a	3.791117	3.487529	3.608536	3.693534	4.856961	5.151214	6.150697	5.873137	10.61589	9.311119	9.402018	9.434038
Zfp358	4.285514	4.047689	5.193717	5.00391	6.558606	6.547697	7.626393	8.627858	13.40559	12.7769	12.44034	12.03278
Hist1h3e	13.71869	14.25414	2.439942	6.260384	6.792287	10.36588	6.243474	9.698572	5.295304	7.363028	4.231281	4.061189
Fam198b	2.342039	2.618503	3.143464	3.304968	3.529421	3.490439	4.892009	4.172	8.689539	8.43496	7.404314	8.399613
Lin28b	9.080831	9.610719	9.53346	9.489221	9.972502	9.88061	11.53823	10.75809	24.62291	24.2009	18.50814	19.87197
Zmat1	0.414586	0.425257	0.457217	0.641409	0.800176	0.767694	0.910895	1.365451	1.191825	1.32261	1.305632	1.634878
Ddb2	4.63278	4.328858	4.207178	4.632863	3.630501	3.976379	3.252377	3.591035	3.513046	3.344091	1.880104	1.817849
Mafa	1.694544	2.191826	5.910797	5.110154	4.250753	4.369081	2.949665	4.035777	1.986487	2.007985	3.047695	2.451461
Dusp3	3.751231	4.214812	6.326205	6.085873	5.343963	4.92263	4.675411	4.154248	4.654496	4.260109	10.01613	10.56949
Dpysl2	2.601322	3.881694	3.64984	4.354738	6.014052	5.708373	7.707298	6.573835	10.7405	10.72095	9.953219	11.07399
Sntb1	2.480841	2.380299	5.274944	4.907827	4.619478	4.121218	3.602289	3.442753	2.056346	1.9686	2.015853	1.930745
Pde4a	1.490404	1.917734	3.544144	3.744943	3.458161	2.958585	2.90741	2.709488	2.253505	2.011635	1.635862	1.473395
Dppa4	105.1682	92.78333	87.19554	85.64491	75.16702	74.45566	67.53941	70.11732	39.66771	37.03027	34.25221	33.70952
Cdyl2	12.98902	15.60859	11.61179	11.80375	8.241533	7.854161	6.27878	5.157872	4.346003	4.647356	4.963083	4.789041
Mef2a	3.591083	3.647817	4.480714	4.263971	4.769524	4.791186	5.064752	4.696864	7.002047	6.860811	10.31633	10.82953
Tspan3	42.55543	37.47874	38.09933	37.52405	48.25937	46.40594	57.80718	62.84204	91.08933	88.44167	94.43149	95.28635
4833417C1	1.222655	1.803723	0.893552	1.210254	1.142554	1.093054	0.861125	0.849443	0.5081	0.724799	0.246501	0.476627
Igsf1	1.021282	1.034017	0.43053	0.615742	0.705645	0.68093	0.698948	0.763273	0.528943	0.570788	0.312887	0.30084
She	0.714047	0.763413	0.692634	0.815351	1.275398	1.129074	1.514295	1.741268	2.104517	2.063459	2.170256	1.944733
Zfp783	0.547203	0.531828	1.276739	1.483656	1.271239	1.224227	1.419184	1.452996	1.368887	1.348416	2.810759	3.097084
Kctd10	6.111116	5.611817	7.790359	7.467921	8.601641	8.868678	10.09684	9.735093	10.92303	10.97882	20.85826	18.88539
Hist1h2ah	3.874224	2.770128	1.310449	2.06384	2.738739	3.454808	3.309444	4.397406	2.829448	2.931904	2.406982	1.74096
Nab1	2.763623	2.292535	4.087364	3.566451	4.14398	3.968928	4.354784	4.185858	4.553837	4.271014	8.712657	9.005667
Tmem62	0.462454	0.331911	0.993844	0.848582	0.930575	1.015482	0.933948	0.834334	1.213626	1.043039	1.894641	2.10457
Nudt11	1.712261	1.805205	3.642954	3.502403	4.744556	4.789589	5.419706	5.881542	7.263253	8.026958	7.946277	8.833331
Il17b	2.038439	2.562577	1.42916	1.707967	0.902805	0.877876	0.953375	0.67727	0.654231	1.071384	0.88282	0.841179
Plk2	12.35061	12.53377	17.71783	16.50219	18.37519	18.46286	21.83143	19.98793	17.79876	16.25337	39.24688	40.98101
Tlr2	3.304695	3.356053	3.118274	3.142255	3.615496	3.629173	4.650109	4.713152	7.158681	7.546777	7.782717	7.92106
Gca	7.205773	7.571944	16.97338	17.01216	13.97822	12.72898	10.54212	11.04825	8.263964	8.47012	6.952681	6.751862
Fam189a2	0.887392	0.902461	1.216769	1.513029	2.0792	2.25899	3.254126	3.091351	4.132301	3.522416	3.386415	3.809755
Onecut2	0.313257	0.472669	0.386463	0.44631	0.45854	0.454231	0.689338	0.479486	0.592266	0.66182	1.075223	1.12357
Wdr96	1.176084	1.307537	1.225252	1.333058	1.790303	1.543189	1.963593	1.789568	2.370883	2.467261	2.826214	3.355891
lqcg	5.038898	5.346757	4.411975	4.400863	2.423074	2.633396	2.190132	2.298352	1.895322	1.883023	1.713471	1.748671
Col5a2	0.611738	0.590861	0.831663	0.725871	0.94872	0.811207	1.438733	1.379484	1.776139	1.820683	1.682401	1.826424
Loxl1	1.009499	0.7475	1.446916	1.334042	1.622642	1.465162	1.370927	1.263642	0.915778	0.99649	2.84849	2.506383
Lgals9	3.315381	2.83533	6.652309	6.835549	3.516979	3.167572	2.572683	2.718646	2.454293	2.809686	3.916852	3.994749
Zfp629	0.774055	0.891988	1.299759	1.432304	1.704231	1.698441	2.039677	1.945137	3.341434	3.477028	3.960334	3.600011
Kcnq4	0.427046	0.339837	0.524293	0.535818	0.837669	0.713367	1.022277	0.944756	1.394987	1.236177	1.512819	1.346617
Efcab4a	1.519862	1.366434	1.336846	1.559951	1.256628	1.553155	1.028005	0.966047	0.714216	0.714468	0.730741	0.620721
Zbtb42	0.457614	0.504968	1.354363	1.156922	1.755346	1.512811	1.857724	1.832641	2.594064	2.406266	3.332806	2.905392
Peli2	1.648404	1.911885	1.830427	1.77945	2.538801	2.451925	3.458595	2.932699	4.532412	4.465074	3.243174	3.417079

Srcrb4d	1.916061	1.653435	1.41397	1.276796	1.05728	1.071612	1.015939	0.853681	0.82537	0.509118	0.733813	0.906821
Adamts20	0.266621	0.279787	0.384749	0.463606	0.616827	0.514038	0.598109	0.612553	1.132066	1.162372	0.828993	0.904125
Rsad1	0.551646	0.599248	0.853488	0.819217	1.169048	1.108167	1.038335	1.137388	2.181249	1.761518	1.93886	2.051922
Zfp422	8.74614	8.021615	11.48513	10.51103	12.61592	12.20114	13.072	13.70572	20.18011	20.89738	25.41842	26.32305
H2-T22	1.315759	0.918165	0.954345	1.104815	1.841033	1.423629	2.049038	1.913255	2.671888	2.766248	2.354604	2.046367
Cd59b	1.365229	0.878506	0.765818	1.08386	0.910996	1.135645	1.148547	1.059809	0.759255	0.555367	0.391527	0.453947
Pik3r1	2.550361	3.487624	3.761249	3.887518	4.694625	4.59611	5.684603	5.508349	8.693474	8.517882	9.424664	9.724909
Cltb	7.744914	7.271516	7.347205	6.606662	5.583144	5.441592	4.379783	4.651271	3.337301	2.641812	5.861453	5.162582
Orai1	5.996233	6.189896	7.119597	6.02017	7.803666	7.11778	9.618388	9.152749	9.906395	9.79143	16.51466	15.05193
Spg20	7.859158	7.140869	9.022052	8.739556	13.28815	12.60477	16.20398	15.22209	20.10957	21.83116	18.47842	18.51093
Slc38a5	0.335906	0.214047	0.454664	0.50064	0.793032	0.76063	1.425017	0.992646	1.349953	1.250531	0.948628	0.8515
Pdgfra	2.086735	2.129429	2.341662	2.697572	2.88422	3.229057	4.550369	4.936381	7.310256	6.736512	5.416671	6.275739
Sult2b1	0.470057	0.609359	0.794564	0.49431	0.989072	1.000272	0.911303	1.056585	1.127695	1.233695	0.748103	0.874948
Msln	0.458434	0.481269	1.232074	1.080526	0.504672	0.641519	0.65382	0.753775	0.666885	0.433216	0.996066	0.924756
Rnd1	1.335133	1.521311	1.734751	1.71558	1.818684	1.693405	1.897429	1.808308	1.828022	2.281958	5.111606	4.223679
Dnmt3l	145.7487	136.0531	63.75456	60.41097	42.2335	43.99058	38.53204	41.28522	25.11841	24.22493	28.24949	27.07056
Hs3st6	0.940747	0.589896	0.965189	1.032104	1.587497	1.359602	1.625283	1.576334	1.921626	1.909189	0.590402	0.765776
Erap1	1.411845	1.195526	1.069971	1.388116	1.915497	1.662008	2.174952	2.393561	2.158308	2.362005	3.358636	3.46076
Mdk	162.6907	145.1281	392.027	398.2766	728.4435	754.1993	975.4216	933.9179	1156.268	988.2547	1069.681	992.1947
Mrpl14	24.62655	20.23884	22.56011	19.94766	15.92525	16.63275	13.76465	11.26263	11.094	10.28679	12.72475	8.007278
Arl2bp	27.8446	23.37903	29.9511	29.18776	35.89368	36.36649	38.10901	41.51437	54.88207	48.49854	76.22195	72.71111
Hmox1	35.81115	36.34767	68.65701	62.04376	51.14083	51.80755	50.37233	44.64922	42.29823	34.08635	86.62868	84.89754
Mxd4	2.472181	2.334267	5.070964	4.957454	8.0166	8.247321	12.52095	12.34619	12.16682	11.92783	12.50872	12.22322
Fzd6	3.275439	3.115713	2.858977	2.992193	3.266381	3.377769	3.713735	3.766823	5.93233	6.308538	6.727742	7.451638
Hoxa4	0.354047	0.409816	5.340619	5.683026	8.758672	9.739883	11.29046	9.114679	4.278628	3.914802	4.870154	4.667473
Spin4	0.951601	1.120068	1.217668	1.26036	1.16285	1.174618	1.179139	1.3028	1.793267	1.786047	2.323054	2.919969
Fam219a	0.468311	0.290727	0.935234	0.8483	0.906021	1.00862	1.082318	0.893504	1.007553	0.935325	2.007342	2.108612
Testk1	1.017641	1.01823	1.540657	1.453282	1.63155	1.926394	2.259956	2.196709	2.727959	2.554225	4.003372	3.612316
Reep3	4.497921	4.847546	4.895724	4.947872	5.794962	5.169785	6.365815	5.497656	9.917138	10.41861	11.69698	12.29682
Serf1	2.82308	1.586374	1.180977	1.387512	1.44001	2.223336	2.412342	2.885328	4.312713	3.44697	4.202539	3.264946
4930502E1	0.834212	0.728129	2.451085	2.304285	2.683123	2.416896	2.467898	2.594604	1.431236	1.39471	1.044503	1.044509
Pdlim5	12.30851	13.21238	12.22128	12.97798	13.33371	13.51569	14.8015	14.49959	14.21986	14.73794	30.52495	32.23682
Slc30a4	1.650868	1.66061	2.536011	2.568377	3.114583	2.97216	3.245839	3.177139	4.67428	4.967543	6.159204	6.379731
Tmem119	0.611315	0.484392	0.98395	0.774385	1.347939	1.24747	1.728453	1.923181	1.13047	1.259926	0.980982	0.82717
4931428F0	1.964746	2.017836	2.135634	2.346573	2.267231	2.622858	2.552668	2.902804	3.216335	2.905295	6.239552	5.824124
Pck2	4.674093	5.134397	12.26389	11.97629	11.25711	9.96598	7.244448	7.181692	5.259017	4.825695	8.757104	8.362587
Shroom3	6.074868	7.634649	8.438789	8.153619	8.55488	8.182929	9.842754	8.590568	17.53412	17.22113	20.84277	20.22659
Acdb4	5.273965	5.447874	4.499238	4.438492	4.788672	4.958606	4.700088	5.962448	4.045599	3.855151	2.505196	2.40446
1810062O1	0.483456	0.755816	1.007537	1.005544	0.670949	1.08285	0.664826	0.436844	0.913705	0.966085	0.763462	0.517834
Kat2b	19.09503	20.26861	23.20117	21.99246	17.93051	16.94882	15.42428	15.44106	10.18995	11.78819	8.55196	8.875533
Irf8	0.307737	0.334287	0.549295	0.667602	0.789583	0.752557	0.696973	0.810616	1.280326	1.29772	1.522913	1.653694
Stxbp6	0.75687	0.673753	1.161178	0.98515	1.512676	1.492362	1.658808	1.447546	2.549738	2.439517	1.80189	1.965594
Lrrc8c	1.248076	1.285057	1.308925	1.243016	1.661743	1.622699	2.487973	2.277515	2.705177	3.077342	2.496188	2.39343
Wsb2	21.84294	23.85612	24.34229	23.61516	16.68679	16.63044	14.03252	14.25418	9.832991	9.544562	13.32554	13.54121
Soga3	1.87506	2.260081	2.269102	2.134481	2.412761	2.50275	2.973538	3.062743	3.574217	3.306679	4.696835	5.280838
Coro6	0.481652	0.437376	0.842998	0.69242	1.277401	1.329737	1.015711	1.337149	0.479309	0.54786	0.715472	0.540566
Tex101	0.534646	0.359024	1.322541	1.081481	1.050632	1.009455	0.818464	1.289512	1.010534	0.605586	1.857484	1.497616
Ogfr	13.87213	13.39479	18.26208	16.38333	22.96326	22.63944	26.64728	27.15574	30.78969	28.1132	40.84086	40.51519
Mapk8ip1	9.873787	9.417007	12.28667	11.053	13.25363	12.34792	11.41568	12.91207	14.75256	13.55064	29.03859	27.31811
Cyp39a1	1.168935	1.402351	1.403269	1.629205	1.629296	1.729328	1.87601	2.37943	2.354478	2.933439	1.295343	1.18764
Bmp4	11.9537	13.84078	3.526569	3.026342	1.863482	1.683684	1.304525	1.339708	1.412512	1.225476	1.409214	1.501474
Epha1	4.310487	4.178971	2.573614	2.272559	2.087217	1.964325	1.461193	1.918787	0.834882	0.920583	0.880035	0.977532
Irgm1	0.667445	0.639602	0.523959	0.495698	0.67284	0.733541	1.256946	1.223045	0.709174	0.745946	1.429061	1.199685
Cask	2.158082	2.248215	2.220862	1.998088	2.982764	2.851782	3.527999	3.193192	4.714313	4.927124	4.243465	4.457375
Hivep1	1.903703	2.627847	3.3502	3.710739	4.597202	4.527167	6.219225	4.818963	7.101148	7.690864	9.134906	9.149381
Cited2	25.71326	27.0582	19.17964	20.07336	23.32607	21.87825	32.45854	28.55368	52.93246	49.47147	43.86027	39.39235
B4galt4	2.333121	2.202518	2.880771	2.953363	4.765158	4.377362	5.149441	5.573604	7.048949	6.592158	7.320967	7.27855
Elk3	3.671364	4.01702	3.47244	3.64801	3.447116	3.732627	4.115795	3.326985	3.587768	3.9645	1.807317	1.609179
Psma8	15.70148	14.43223	13.79581	14.07653	11.2694	11.10028	9.913082	10.10425	6.365299	6.492458	5.381842	5.721116
Pkp2	12.83672	11.971	14.82259	13.83401	12.41226	12.56578	13.22739	15.03073	16.46109	16.36456	30.23363	30.91566
Slc25a19	7.484345	7.601247	7.607623	7.380992	6.156873	6.051862	5.534362	4.876759	3.29757	3.687014	3.588866	3.001699

Uggt2	0.873891	1.104482	1.763653	1.904328	2.828723	2.693268	3.280461	3.324834	4.405801	4.681072	4.408755	4.605009
Cmb1	0.807489	0.664621	1.818229	1.947275	2.998986	3.41302	5.357268	4.785094	4.495358	4.405358	3.217591	2.885358
Rras2	27.29311	23.92702	24.09028	24.21077	28.22378	27.78157	30.654	31.99421	37.3561	37.75905	59.72283	59.47275
Neil1	4.273863	4.575881	5.150427	4.709885	3.747299	4.323407	3.79451	3.321944	3.116896	3.374509	1.538063	1.917955
Mthfd2	27.56294	28.04653	65.37309	63.17488	52.11501	50.61547	36.18234	33.8522	28.66143	25.73555	64.48513	63.12719
Zfp934	3.009276	3.045725	4.042059	3.853801	3.108415	3.496787	3.055255	3.434938	2.819403	2.513057	1.175348	1.570333
Syngr1	8.190255	7.827027	4.992039	5.059073	5.116399	4.990193	3.797796	4.13731	2.800222	3.099046	2.141799	2.062576
Zranb3	11.52236	11.59977	13.36361	14.19064	12.40013	12.081	11.64304	11.80327	10.68144	12.3915	5.819427	5.786978
Habp4	5.074523	4.636989	4.750466	4.493682	6.670224	6.311541	7.265085	7.835534	10.22316	9.491725	11.355	11.01727
Nfkb1a	10.80538	10.56529	10.79367	10.62121	11.58653	11.33887	12.25583	13.31418	9.969595	9.564479	28.21593	23.43698
Rab39b	0.314381	0.224429	0.505752	0.463935	0.538996	0.541267	0.866524	0.564996	0.530993	0.57178	1.113852	1.136299
Adam23	38.79421	43.89475	20.41283	20.67889	16.90637	17.95522	16.61596	16.04538	12.2769	13.043	7.745194	8.446797
Gpx3	23.7358	18.54587	24.18256	25.54501	34.78729	38.35666	44.21793	48.21959	65.67872	62.49082	59.92587	57.95306
Eif4e3	1.498134	1.596892	1.499213	1.589215	2.426828	2.485887	2.939505	2.776619	2.54983	2.786193	3.79571	3.886212
Rbm20	0.764431	0.81597	0.709077	0.856136	1.136165	1.059685	1.457673	1.571242	2.130881	2.090805	1.949823	2.089775
Sema4c	2.570219	2.810557	5.12272	5.308462	8.721089	8.962829	12.41402	11.41808	13.97284	12.95584	9.90003	10.09548
Pawr	29.71754	28.68164	37.49365	34.00848	35.85333	35.10028	38.96822	38.58587	48.30907	43.40265	82.92375	82.99447
Nfkb1e	1.224396	1.391163	1.683507	1.990135	2.396392	2.565516	2.615542	2.341419	2.583554	1.875099	4.480458	4.574085
Dleu7	0.953161	0.605047	5.796513	6.093534	6.342115	6.441888	5.435231	5.955292	2.928345	2.641069	3.233101	3.692406
Rtn4r12	0.511847	0.780107	2.043103	1.844895	2.36609	2.603057	3.44351	3.057331	1.935007	1.752561	1.125486	1.253715
Ttyh1	2.459197	2.501165	1.524756	1.342326	1.337346	1.106998	1.113069	1.108962	0.790209	0.705387	0.51299	0.550488
Cpd	2.417837	2.741308	6.317317	6.813298	8.034661	8.163439	11.20364	10.02104	12.99189	14.03655	14.33514	16.61179
Naa38	5.05341	3.69381	10.23143	8.847187	9.808404	9.203841	9.222923	5.308344	5.576839	3.775645	9.488226	7.391292
Tmem108	0.571171	0.705314	0.818511	0.796957	1.05145	1.05454	1.574193	1.248347	2.114566	1.941931	1.274461	1.180389
Gltscr1l	13.54998	15.22065	10.03708	10.05222	6.812094	6.649545	5.606677	5.342805	5.092547	5.176007	4.176684	4.126375
Tmem53	0.231956	0.311048	0.623993	0.593873	1.116559	1.402528	1.596795	1.299858	1.138998	1.446226	0.938334	1.119418
D430019H1	0.679687	0.879672	1.127605	1.281804	2.487473	2.119567	2.642922	2.373325	2.514016	2.571455	0.922096	1.056447
Gpr160	2.585019	2.701793	1.834913	1.592723	1.547895	1.453045	1.382553	1.560379	0.678511	0.655277	1.095297	1.127859
Rnft2	2.29764	2.317072	2.72502	2.769116	2.776598	2.762005	2.446985	2.369268	2.177551	2.589789	1.136184	1.139433
2200002DC	1.772479	1.941729	2.848849	2.392509	2.928224	3.254719	3.367978	3.763768	3.236253	2.457131	5.582792	5.814342
E130317F2	0.771263	0.718105	0.86106	0.790326	1.129406	1.264076	1.184569	1.220123	1.39458	1.259176	1.99928	1.919897
Rab11fip5	1.817604	1.875544	2.442002	1.993673	2.772747	2.452122	3.336639	3.425957	3.379807	3.236607	4.642534	4.842295
Ovgp1	0.392672	0.360927	0.61596	0.514782	0.638595	0.588396	0.797846	0.824115	1.239646	1.12528	0.511905	0.463367
Sh2d3c	0.875892	0.841297	0.985796	1.03831	1.121291	1.090786	1.292623	1.206748	1.660721	1.197539	2.318013	2.5206
Arhgap8	4.869643	4.819663	3.618901	3.352056	2.241116	2.271362	1.714611	1.935231	3.262908	2.943368	4.40452	4.69451
Gpr63	0.246921	0.25815	0.683496	0.925859	1.155124	1.148415	1.654258	1.048083	1.839927	2.146951	2.349338	2.245868
Calb2	0.478246	0.38503	0.694584	1.179612	1.831053	1.476307	1.324992	1.638709	1.318693	0.845606	0.795407	0.675651
Itpril2	0.678768	0.545765	1.051427	1.003752	1.48732	1.317318	1.537015	1.22256	1.365177	1.321	2.710915	2.433993
2410012M1	6.178241	6.530716	12.52113	12.83277	12.90313	11.88546	11.73462	9.595243	6.576996	6.742309	6.306393	5.29223
Itpk1	34.51384	35.53337	29.5413	29.01636	24.86393	24.39378	24.74415	25.15211	19.03895	18.83349	12.91521	11.97182
Ityna1	90.36359	95.7308	103.8935	98.71762	83.28405	81.51056	69.47606	74.10412	58.58709	56.80574	44.33357	40.73317
Gata6	2.443125	2.644833	5.008279	4.42734	4.75267	5.102063	7.005374	6.632412	11.15776	8.400475	10.46478	10.71672
Met	0.835078	0.999358	1.026117	1.08996	1.780576	1.592988	2.875914	2.395322	2.536391	2.505031	2.644285	2.63825
Oaf	0.843563	1.099239	1.616428	1.439761	2.082931	1.822816	2.303237	2.610269	2.019415	2.098502	3.978761	3.483316
Map1a	3.420144	5.126577	3.646596	3.452386	2.613892	2.38759	2.503994	1.934134	1.568982	1.428517	1.898465	1.788867
Rbp4	0.923255	0.879972	1.179748	1.326415	2.300169	2.417174	2.37265	3.20491	2.700688	2.350664	2.415686	2.331619
Akt1	20.78035	20.04316	26.51135	25.24108	32.1062	31.18888	35.07671	36.57027	51.1674	48.52642	60.09945	60.98369
Dstn	170.5186	156.2524	98.86134	89.83441	71.60328	70.8037	75.85998	78.84756	92.49847	92.60167	164.8197	170.9844
Cacna2d2	0.961392	1.165245	1.460818	1.589992	1.916524	2.084155	2.194358	2.60552	1.701927	1.5312	1.046358	1.079221
Kbtbd11	4.74029	4.989175	5.735281	5.183964	3.39564	3.298179	2.551255	2.325543	2.201683	2.147676	3.864566	3.60251
Slc25a47	0.394735	0.683691	0.622285	0.806377	1.275177	1.319404	1.361144	1.246623	1.608822	1.835366	2.421186	1.94532
Hist1h1e	9.011753	10.04475	2.826747	5.886888	5.883864	10.44697	5.688648	9.899733	5.525122	6.845934	4.313971	4.331512
Mmgt1	7.900373	7.52193	8.987874	8.835837	8.648033	8.614986	10.22683	9.242801	13.66268	14.23928	18.0837	20.77093
1700013H1	3.770564	3.136416	9.873528	9.71977	14.86208	15.30887	17.21917	23.43354	16.91687	17.66263	17.28705	16.28017
Dusp16	6.843926	7.03242	7.588657	7.688063	7.631696	7.573012	8.381622	7.226567	11.8227	12.94005	16.29271	17.41342
Mmd	4.660669	4.319529	5.741402	6.749672	9.434235	8.986458	12.47417	11.46729	17.35083	16.2593	11.06653	11.8661
Map6	0.918097	1.186271	3.056359	3.028855	2.770885	2.719468	2.609886	2.438613	1.866054	1.840009	4.621189	4.431974
Endod1	0.613665	0.471687	1.166808	1.199371	1.356282	1.338897	1.560568	1.562236	1.533048	1.528589	2.980756	2.888113
Hoga1	0.374841	0.392188	0.920046	0.544458	1.087224	0.945785	1.145563	0.927227	1.426781	1.310869	1.008018	1.014103
Rbks	2.340636	2.518292	5.657914	4.499164	5.413133	4.272046	4.489376	5.127494	2.134576	2.347556	2.68847	2.130993
Zfp473	2.800871	3.186174	3.094031	3.045837	2.109085	2.092729	1.714961	1.944966	1.154645	1.453026	1.376801	1.266163



Cnpy1	55.20769	45.5198	14.80296	14.23578	13.98909	15.28843	10.92764	10.9835	9.307433	8.196406	5.717225	6.358519
Fkbp6	1.589856	1.991052	6.065558	6.463449	4.449693	4.554842	4.641961	3.227576	3.297637	2.892393	7.282425	6.954088
Vwa5a	5.110032	4.411814	4.594619	4.730269	6.425211	5.920367	10.51114	10.73309	9.914092	10.53165	10.6551	11.37187
Lhx2	0.326657	0.433456	0.959893	1.037158	1.780791	1.441402	2.26179	2.491877	1.887648	1.443413	1.750061	1.578989
Crelld1	7.630203	7.794591	8.570109	8.186498	6.987641	7.14716	6.975802	6.503672	4.194249	3.975741	3.46315	3.408164
Lzts2	11.13597	11.73133	16.33769	16.09291	19.83152	18.80739	24.58938	24.17181	31.6972	29.9319	39.67158	38.64893
Slc7a1	10.9352	13.31227	24.61824	23.80397	20.0308	19.00769	16.99728	13.76178	15.92516	15.43882	32.11416	33.04539
Angptl4	8.739463	7.3275	6.402674	6.702011	5.114006	5.975894	4.913781	5.019829	3.106089	2.791977	3.773934	3.66345
Hist1h3f	2.87119	2.769225	0.645976	1.31544	2.141177	2.282878	2.162793	3.039729	2.671747	2.309645	1.908337	1.26639
Atf5	5.075478	5.230356	18.70374	18.07895	19.64282	17.32496	17.45397	15.64819	11.99007	10.13204	26.90219	24.2987
Rem1	0.108995	0.114884	0.503698	0.459991	0.448225	0.509482	0.844135	0.901832	1.019652	0.91191	1.155377	1.103085
Hoxb4	0.321342	0.304814	15.38273	14.57807	28.73768	27.7592	38.10202	34.95854	21.43203	19.50376	19.02349	18.60786
Ppm1e	0.562935	0.759914	0.684049	0.922373	1.098154	1.040431	1.579068	1.470137	1.863075	2.211565	1.658186	1.750289
Foxp1	12.39637	14.61579	27.56227	28.06214	21.48105	21.88108	17.10999	15.24797	11.78114	11.70572	11.73842	12.23667
Bbc3	14.43238	13.67047	13.54175	12.29525	12.92447	13.30005	14.54794	13.84827	15.42764	12.6946	33.31285	29.46768
Pmel	3.707392	4.197101	1.767182	1.752546	1.654525	1.251729	1.460225	1.144173	1.085092	1.261014	0.649966	0.731565
Got1l1	10.91012	10.83772	9.379864	9.628779	12.06803	10.24017	12.17776	14.11201	10.5553	10.6444	5.417732	5.892523
Tram1l1	0.679388	0.455806	1.263151	1.524634	1.857585	1.652243	1.82431	2.423433	2.009291	1.963554	3.482736	3.64995
Inha	0.928632	1.018413	1.885791	1.597649	1.598001	1.6909	1.134219	1.429843	0.763879	0.706914	0.860382	1.076912
Pmepa1	4.183932	4.63	8.476417	7.69742	6.209952	5.69553	4.758801	4.564842	3.625173	3.42152	3.366914	3.219228
Morn2	3.478527	2.035881	2.416052	2.898658	2.441899	3.259328	3.156526	2.619899	1.540816	1.933079	1.686843	1.363675
Hip1	6.324755	8.368923	8.852108	9.417338	12.35154	11.44419	15.57717	14.27506	20.71331	22.50692	15.30722	15.55291
Sepr1	2.969134	3.081691	6.541561	6.638425	9.735511	8.984661	12.69497	11.03315	16.62037	15.86298	15.04538	15.75586
Daam1	4.449665	5.106991	6.713095	6.694442	6.369758	6.496141	6.519704	6.416514	7.689341	7.494752	13.7688	15.33202
Perp	7.409336	7.31032	15.74751	16.04545	11.38189	12.37532	10.96011	9.960181	6.915473	6.721391	9.758859	10.09807
Stox2	1.595631	1.678321	5.258032	5.678956	6.506877	6.476954	8.099226	6.859691	12.80002	13.18223	12.0149	13.55036
Khdrbs3	16.62891	15.39859	16.85605	17.64558	20.52802	19.45427	22.31503	21.03679	33.1356	33.49593	42.78289	42.10135
Bhlhe40	15.38711	16.05766	14.06898	14.95737	14.03936	12.08578	10.37494	11.99906	6.121804	6.84778	7.452882	6.268965
Btg1	6.134822	7.064477	4.508772	5.023419	6.384773	5.845137	8.759555	7.427639	12.90369	11.98492	11.49596	11.71489
Tmem173	0.419544	0.351175	0.793496	0.79375	1.022947	1.09823	1.685277	1.588025	1.931997	1.893562	1.380235	1.580574
Rab27a	8.820009	9.202866	4.096678	4.666403	3.826235	3.922284	3.499164	3.668888	2.793026	2.917696	1.858371	1.956466
Shisa7	1.225336	1.673743	2.590299	2.241461	1.709951	1.801084	1.188975	1.404608	1.273521	1.152516	0.745218	0.940922
Sox15	15.23509	12.94362	11.36019	8.71831	8.160521	6.814729	5.540929	6.259832	4.265311	4.894752	3.711819	3.663747
Mctp2	1.98513	2.191114	1.353457	1.494354	1.520478	1.581023	1.370024	1.408684	0.796356	0.794742	0.558347	0.6645
Laptm5	14.0611	18.04193	15.99474	13.66967	9.81602	9.500871	10.41525	9.517624	6.944185	5.746177	5.561348	6.023147
Zswim5	1.903407	2.348408	3.716072	3.973093	5.147914	4.944156	6.901593	6.34746	9.094683	9.450561	6.965972	6.937054
Whsc1	10.95808	12.464	19.12682	20.10748	24.18171	23.3511	29.65572	28.92926	41.91601	43.5495	46.08489	47.82279
Ddit3	4.664128	4.552756	13.48147	13.26483	11.17618	10.10772	7.477337	8.319029	6.448061	5.578693	10.45611	11.08599
Magel2	0.540208	0.487016	0.434334	0.549833	0.873044	0.801462	1.201147	1.30689	1.139747	1.043878	1.116338	1.139937
Lpar1	3.230293	3.436031	3.349649	3.49487	4.047958	3.737875	4.955937	5.555794	8.416946	8.304942	6.307744	5.35999
Fkbp11	32.79323	27.60598	19.96428	20.29337	25.05178	25.66504	19.42432	16.60544	15.85047	12.43902	10.97088	10.80311
Snx33	0.551747	0.673296	1.986195	2.155149	2.85905	2.865878	3.745508	3.717328	4.274175	4.235449	4.916081	5.119639
Tex19.2	0.394045	0.412658	0.965702	0.976888	0.678671	0.720009	1.021174	0.916268	0.931543	1.023148	1.927389	1.709791
Gtsf1	4.673139	4.798085	9.696841	9.079516	8.066847	6.86047	7.145595	5.722477	3.395591	3.824231	5.221955	5.046328
Upp1	330.307	258.2712	202.6765	196.0411	174.6344	173.3296	132.9318	148.4186	125.0608	131.8086	87.9485	82.57394
Epas1	11.84889	13.60861	11.38668	11.31324	8.959111	8.870756	8.628964	7.018146	4.548391	4.767175	5.561132	6.039424
Cgnl1	9.222593	10.39218	21.03567	21.24875	19.2272	17.17352	16.36068	16.55684	10.65036	11.30903	9.466649	8.954447
L3hyphdh	1.549112	1.367409	1.248063	1.089533	1.227625	1.466451	0.908482	1.368557	0.799818	0.85202	0.610271	0.618263
Nt5m	1.070195	1.241322	2.037337	1.806576	1.978476	2.571647	3.091371	3.230029	3.747188	3.429681	4.673988	4.282849
Hoxa6	0.022902	0.072161	1.475426	1.625779	1.520875	1.838578	2.144747	2.413065	3.045486	3.474572	3.189739	3.853286
Lpin3	4.101664	3.925938	4.310777	3.929839	3.146978	3.524012	3.001116	2.795818	2.033602	1.658367	2.090917	2.438348
Sh3kbp1	0.606164	0.681581	1.1282	1.298786	1.921291	1.587496	2.613036	2.600525	3.026139	3.076734	2.287417	2.29296
Hist1h2bj	1.568962	2.053225	0.639887	1.215221	1.308671	1.916114	1.78482	0.809799	1.575825	1.44727	1.214938	1.26297
Fut9	2.930147	3.469752	0.648004	0.730215	0.640949	0.603542	0.564659	0.444183	1.283484	1.050752	0.615145	0.715071
Htra1	10.77029	12.11557	11.27958	11.06329	11.61923	10.67819	12.80712	13.66287	20.35804	19.11852	25.69	25.24845
0610040B1	0.936876	0.854756	1.101241	0.934478	1.144145	1.33518	1.072794	2.187131	0.954939	0.9251	1.99897	1.84848
Nfu1	45.44471	41.54734	55.91483	46.61606	35.73087	38.61613	30.75181	28.47323	21.29993	19.79307	21.75367	19.71806
Gm20748	11.17601	10.20935	10.17139	8.922291	7.808194	8.106729	5.957229	6.456181	5.42228	3.775814	3.528416	4.084339
Tmem200b	0.325288	0.231524	5.543279	5.361144	7.317226	7.729359	8.90695	9.304999	5.448841	4.518652	4.599663	3.938128
Gatsl3	21.2782	23.90402	11.94903	10.80791	10.82739	10.19439	9.435322	9.141167	7.0916	6.329765	4.332384	4.580313
Gm11944	3.068249	5.096632	2.976209	3.44176	3.784745	4.150063	4.894275	4.294808	6.255382	6.886734	6.240434	8.120169

Tmem128	11.94185	10.76539	12.04867	12.38627	15.77556	14.37253	17.94442	15.28036	20.5358	19.58456	29.42418	29.21978
Nab2	0.968929	1.122018	2.856211	3.000771	3.4239	3.696546	4.094268	3.230961	3.552592	3.239825	7.135642	7.076139
Ypel1	2.298524	2.008438	2.250129	2.428237	2.891799	2.781506	3.062955	3.809185	5.219908	5.725345	3.655501	4.486047
Mbd6	6.887175	9.183783	28.56079	27.37416	21.98022	22.3781	18.07929	15.21787	13.08376	11.61742	16.72554	15.31836
Cldn6	10.87489	11.51553	10.29059	9.563326	6.897061	6.511137	5.070036	4.325714	3.942155	4.102847	5.204335	4.060597
Hist1h3h	8.074999	9.646238	2.717462	4.117221	5.839345	7.750927	6.915688	9.692707	4.565777	7.47138	4.756878	4.707667
Taf9b	2.684393	2.561812	2.99194	2.901786	3.365346	3.466569	4.120309	4.165172	4.252098	4.35746	6.281364	6.831278
Slc22a7	1.065342	1.12785	0.935624	0.710918	0.892991	0.86497	0.557329	0.467036	0.3731	0.367437	0.268321	0.382576
P4ha2	5.860828	6.339731	9.00008	8.462971	12.26537	11.2216	14.91294	17.2765	19.74631	19.91286	17.42959	17.41829
Lingo1	0.440168	0.341326	0.506497	0.740697	0.861814	1.084458	1.455467	1.351251	1.917085	1.299466	1.761482	1.742428
Pitpnc1	17.00376	20.40797	14.16701	15.14861	12.78241	12.31571	11.87626	10.56713	9.80978	9.767397	5.416545	6.439633
Jph3	1.153682	1.249948	1.517845	1.793799	2.46979	2.518116	2.106097	2.023133	1.587414	1.594731	1.244359	1.070779
1700017B0	6.354692	8.253649	10.72542	11.29647	10.16899	9.64631	11.329	9.745771	13.73756	12.94092	22.57928	22.64585
Copz2	2.179883	2.157291	2.033533	2.811184	4.452985	4.939547	5.654318	5.516413	7.08048	6.599356	4.899884	5.270422
Sall2	7.449063	8.013085	11.23263	11.55259	15.76632	14.58029	21.93667	20.02222	27.68577	27.1065	17.79486	17.89946
Mylpf	65.92069	58.92042	66.31631	61.52654	51.93287	50.8063	33.52565	32.79473	25.94311	26.24154	28.73306	26.67322
Wdr31	6.964097	6.91988	5.446907	5.117707	3.39794	3.317942	2.165151	2.794742	2.086973	2.182888	2.153971	2.228937
Flna	64.5409	78.73522	77.06715	75.49433	68.21321	66.84028	81.04482	68.26655	93.94207	94.92897	154.5259	156.6608
Irf5	0.440889	0.579928	1.270685	0.926772	0.833984	0.726653	0.674653	0.439183	0.368868	0.395413	0.749069	0.744659
Cacna1h	0.379919	0.551205	0.769442	0.758737	1.266613	1.161951	1.447261	1.776735	1.000842	1.053499	1.132741	1.110422
Agrp	1.068991	1.125409	0.815056	0.998369	0.580605	0.912326	0.782009	0.568948	0.532165	0.63166	0.482902	0.426412
Hoxa5	1.246064	1.003869	26.51179	26.03709	47.02764	51.03185	64.24551	60.94969	42.74617	37.91286	37.64819	40.5819
Gfra4	0.595748	0.627956	1.531632	1.019607	1.820635	1.683469	1.30479	1.229901	1.419051	0.719461	1.268651	1.116645
Alg2	5.705603	6.434845	9.235515	7.893747	9.756426	9.109726	13.59076	10.5959	15.42747	14.65775	17.49302	18.47037
Creg1	6.425681	5.597652	6.110037	6.197815	9.538005	8.683965	11.27494	12.90514	14.67718	14.50149	10.36151	10.17358
Setd7	5.060117	5.559064	7.879982	7.823291	10.15171	10.06249	12.16853	10.32214	16.70418	16.76316	16.81714	18.29018
A330009Nz	0.50768	0.671366	1.701157	1.623677	1.085953	1.475872	0.963876	1.178411	0.482753	0.694952	0.574044	0.703037
Gbx1	0.197124	0.256479	0.677156	0.685315	0.788278	0.842109	0.963662	0.917111	1.118706	0.991424	1.679818	1.600971
Tesc	0.62504	0.75774	1.660079	1.489102	1.326584	1.434922	0.714946	1.363737	0.64402	0.770965	1.039396	0.637685
Tet3	2.056361	3.06438	3.915324	4.623507	5.355323	5.257547	6.201441	5.252346	9.197551	9.375892	10.652	10.79398
Lgi2	1.706527	1.852535	2.108479	2.210899	3.532589	3.348774	3.463576	3.052369	4.871329	5.159946	3.573629	3.224896
Nav2	6.66239	9.832781	7.092486	6.959013	4.216576	3.884077	3.906606	3.520105	3.166642	3.623006	3.050294	2.981786
Pnma5	10.98087	9.0631	21.28142	20.24691	24.31533	24.46936	26.57818	26.74033	12.94183	11.45882	13.08676	13.64768
Klk8	8.217987	8.116606	6.710325	7.325005	7.180472	7.474173	6.72146	7.303041	4.103425	4.0065	2.714112	3.203995
Fam101b	0.665487	0.758967	1.718141	1.529973	2.771265	2.861568	3.655426	3.336211	3.617304	3.56208	3.636433	3.568274
Tmem170b	1.626101	2.039221	2.40144	2.419211	2.837066	2.948011	3.328422	2.500451	5.068076	5.428889	4.859536	5.640059
BC021614	7.110733	6.641442	2.763639	2.858262	2.079624	2.591218	1.948298	2.316876	1.619954	1.226292	2.023761	1.630275
Car4	10.08346	11.01094	8.649628	9.251488	7.938982	6.864415	7.600536	8.582349	6.246028	5.860176	4.461406	3.969679
Ptpbj	1.949645	2.243979	2.054101	2.087861	2.98831	3.078665	4.023694	3.38887	4.055218	4.448151	4.523576	4.865428
Fhod3	4.838109	4.923955	5.284445	5.717611	7.800257	7.154186	10.45855	10.3735	14.07203	13.31912	10.16371	10.53342
Zmynd11	10.49782	10.51282	12.5199	12.74544	15.5479	17.73515	16.7854	17.14335	26.18673	26.31989	29.33662	29.68127
Mif4gd	28.36009	27.98759	34.55598	31.36503	28.02952	27.32023	24.18042	23.54675	17.81991	16.57648	14.02977	13.47397
Cyp26c1	0.057925	0.193948	5.695222	6.091406	5.876077	6.650911	5.915753	6.277561	2.652155	2.858188	3.133719	2.948613
Gcdh	25.22012	22.68328	24.63787	24.15854	23.88451	22.96796	21.08769	22.75227	13.50792	14.07739	10.44863	10.38369
2210409E1	1.283166	1.109676	0.90556	1.222048	1.1661	1.222112	1.164944	2.167264	2.967318	2.38349	3.018811	2.84279
St7	0.861654	0.952436	1.310417	1.383306	1.466258	1.65267	1.825661	1.72861	2.796884	2.474653	3.367892	3.217911
Fam169a	59.54252	64.53355	62.33545	62.3319	53.1866	51.08831	40.65877	43.53194	30.88078	34.33229	25.20439	26.79793
Best1	0.435586	0.571472	0.905859	1.102373	1.287269	1.094894	1.177477	0.811161	0.804554	0.691896	0.262066	0.474084
Gpr173	0.3028	0.257063	0.406532	0.426573	0.721166	0.462066	0.799203	0.598509	1.009513	0.991317	0.784655	0.650182
Slitrk5	0.473755	0.461605	0.928232	1.00597	1.086102	1.165846	1.095972	1.345747	1.075126	0.9936	0.563882	0.579554
Zfp334	1.216516	1.822822	2.013237	2.170725	2.41336	2.353105	2.971022	2.827448	4.655819	5.038531	5.231999	5.039605
BC030307	0.604861	0.663277	1.3106	1.219617	1.097787	1.154579	1.073426	0.998543	0.835102	0.93323	0.482045	0.525437
Ppfibp2	7.111667	7.140307	4.052845	3.757229	2.763572	2.941223	2.261074	2.32743	1.901689	1.849595	1.731729	1.619207
Lims2	0.478276	0.385901	1.160419	0.968933	0.728462	0.635881	0.595318	0.944005	0.360409	0.443898	0.811445	0.417707
Rab38	0.630663	0.490095	1.024426	1.098915	1.902915	1.556419	2.073139	2.548856	2.387218	2.014566	1.357509	1.2966
Pld1	0.536576	0.595931	0.590774	0.655821	1.013303	1.021117	1.146066	1.391805	1.380881	1.520323	1.289336	1.17515
Spire2	10.07358	10.25244	8.045461	7.704128	5.852445	5.207368	4.263212	5.672326	3.313045	3.323969	3.580347	4.219346
H1fx	8.437944	8.764233	20.08477	14.6676	25.96269	33.99169	32.05287	25.76342	22.23373	15.04058	26.55811	23.80255
Camk1d	5.584752	5.872346	5.745265	5.205322	3.666956	3.792558	3.249636	3.110111	2.041284	2.395927	2.545079	2.247234
Zic5	13.91713	14.2339	10.4278	9.756509	8.476597	7.937219	6.24056	5.721973	5.590797	5.607349	4.280608	4.212177
Fam89a	0.950081	0.851754	1.616001	1.883458	2.60267	2.291655	2.885487	2.708668	1.513128	1.602426	1.270365	1.169825

Anxa11	11.40474	10.33245	9.781351	9.602578	9.455146	8.896363	8.176808	8.608591	5.233168	4.833446	4.661902	4.148264
Crybg3	4.21781	4.758508	5.741551	5.723	5.931779	6.000537	6.317878	5.429451	8.237044	8.675394	12.37555	12.56731
Tdrr1	0.486282	0.447845	1.113589	0.893936	0.698268	0.743496	0.998261	1.120401	1.221166	1.32954	1.993563	1.72084
AU022751	2.425759	2.965901	9.821462	8.986087	12.62554	12.45883	16.53793	14.92677	15.98363	14.56947	22.30454	20.79521
Cdkn2b	1.144953	0.914781	1.358739	1.745007	2.038969	2.41156	2.489108	2.186907	1.902769	1.703377	3.482083	3.941498
Phlpp2	1.795449	1.99359	2.562287	2.855993	3.187725	3.230086	3.722789	3.530264	5.233877	5.610872	6.195954	6.607191
Camk2n2	1.718424	1.801504	4.110977	2.527288	3.368153	3.367188	3.752568	2.541205	3.438622	2.338493	5.59726	5.407452
Prep	26.43529	28.19982	24.80947	25.54636	30.71067	30.5702	37.26532	34.6394	58.35792	59.0626	57.44542	56.31407
Gm14511	0.047097	0.148397	0.614348	0.964908	1.089384	0.862865	1.539968	0.441102	0.581342	0.417448	0.810265	0.664319
Igln5	1.514965	2.061187	1.991459	1.629347	3.005657	3.118725	3.691353	3.471636	4.113573	3.761612	3.26997	3.39765
Sgcb	2.097596	1.762629	2.379677	2.197305	3.453549	3.420816	4.527651	4.018262	5.520518	5.071961	4.494706	5.037044
Aim2	17.31732	15.52	15.45384	14.36584	12.82205	12.95773	12.239	13.48729	8.883306	9.414894	5.693438	6.22416
Sct	0.86994	0.956944	1.101639	1.364822	1.469801	1.120017	1.183122	0.965427	1.175236	1.659402	2.385924	2.227704
Endov	2.249589	2.235623	2.505246	2.541924	2.569644	2.97077	3.279095	3.264056	4.187258	4.20392	6.04614	5.859255
Bcor	5.710312	6.556198	6.022737	5.726736	6.618834	5.789664	8.289231	7.339652	10.41443	10.17807	14.41443	13.18451
Ppfia3	1.779906	1.853956	2.078723	2.027243	1.592945	1.54172	1.048964	1.178143	0.914913	0.909485	0.820658	0.880589
Brsk2	0.974238	1.095903	1.316306	1.402496	1.784121	1.581438	1.544989	1.875571	3.173999	3.227042	3.196907	3.131095
Dazl	7.976172	8.85959	26.8784	25.6995	31.39734	30.15717	45.05998	41.49856	48.02034	50.14504	61.93068	59.12734
Btbd17	0.507314	0.582771	1.036075	1.026468	1.027502	1.011724	1.422469	1.008729	1.273209	1.356707	2.608739	2.320719
Atp2b4	0.44884	0.546898	0.489184	0.564093	0.611526	0.614425	0.852471	0.591585	0.98711	1.046985	1.289943	1.295222
Maged2	8.390101	7.488412	8.303642	7.519175	11.7877	11.42518	16.07034	16.80072	18.3765	17.26076	16.50122	16.57371
Prkar1b	0.527652	0.617481	0.590854	0.74201	1.000856	0.924137	1.658411	1.581786	1.668957	1.62292	2.159611	1.702429
Dock7	5.839535	6.819125	7.553211	7.97982	10.04284	9.569911	12.60611	11.65709	18.51865	18.30347	15.26561	16.05364
Mbnl1	1.923371	2.231594	3.167361	3.252961	3.304982	3.254034	3.662724	3.124473	4.677915	4.953793	6.627391	7.166417
Cdkn2c	0.455991	0.248346	1.613018	1.240689	1.849028	1.87177	2.165498	2.845028	2.088572	2.206068	3.054069	2.705414
Taf7l	2.231523	1.872169	6.870633	5.82677	9.258048	9.254426	9.649392	10.9106	6.151759	5.845361	12.74192	13.35924
Dnaja4	0.348826	0.343543	0.736737	0.639537	1.153382	1.126475	1.446517	1.420215	1.139782	1.464762	1.364739	1.465702
Fam131c	3.41813	3.911301	3.38233	3.450876	3.512318	3.133145	2.675147	2.649152	2.025978	2.373725	1.679341	1.505878
2310022B0	10.06983	9.787546	8.955633	9.090376	12.09418	11.87331	14.55295	13.87391	20.88605	20.82954	20.43392	20.24562
Klhl36	2.077963	2.427392	4.678001	4.206908	5.539163	4.444585	5.83852	4.969094	3.191567	3.080261	2.603694	2.169467
Bche	1.074552	0.979877	1.957421	2.10344	2.366438	2.473743	3.029425	2.769762	4.732191	4.816326	4.244257	4.656625
Hist1h1b	4.848066	4.041013	0.846269	2.495437	3.099327	3.926448	2.354751	2.901596	1.906864	2.569397	2.255656	1.715664
Triml2	66.117	64.55769	52.31962	49.08847	39.78893	37.176	28.6916	32.93795	21.12636	21.45795	23.88659	23.41551
Lrrfip1	8.213712	8.705195	8.315241	8.340706	9.996661	9.536099	10.26817	10.51777	13.17809	12.7375	18.421	19.05651
Nqo1	17.58345	15.56336	13.87284	12.62496	9.753403	10.60533	9.712374	10.20031	6.490824	6.32344	6.019066	5.527514
Gpr153	2.431498	2.820699	3.736954	4.579248	6.977974	6.359406	9.078871	8.376973	9.759297	10.45823	7.43888	6.356297
Ccdc8	1.408006	1.397364	1.854418	1.851322	2.035592	2.126323	2.357471	1.997869	2.941733	2.922477	4.671336	4.225094
Smo	14.39075	15.05986	18.87272	19.03299	24.57806	24.13042	32.17195	27.58201	43.97079	43.42089	41.11059	41.88414
Fabp3	242.3816	202.7325	76.25215	66.72802	64.22135	66.81607	53.04686	44.64617	65.01622	57.90149	93.45477	101.8501
Unc13a	2.433952	2.719252	1.609955	1.54839	1.280518	1.177505	1.037781	1.041999	0.779665	0.863472	0.712451	0.679027
Ephb3	5.692384	7.290629	6.895751	6.248534	7.566223	6.720091	9.532721	8.834466	12.34359	10.81454	14.07372	14.24767
Kcnj12	1.816913	1.714544	3.437287	2.891939	4.700011	4.706539	6.206098	6.146192	5.736994	6.592999	4.552365	4.412426
Card10	2.560641	3.401372	12.52924	11.90837	11.28231	10.61457	9.422436	9.183014	4.85859	5.223699	12.85556	11.51749
Zswim6	5.484599	6.278414	6.421659	6.549884	7.230643	7.75902	9.660953	9.23426	13.48758	14.92382	11.66544	12.31701
Creb3l1	2.540606	3.109332	3.869827	3.979093	6.205367	6.015092	7.617761	6.823906	5.737617	4.764849	10.35966	9.062342
Hopx	1.549202	0.980611	0.660896	0.45353	0.560132	0.602418	0.424722	0.743332	0.717252	0.573794	0.421842	0.326437
Ccdc136	11.3582	12.42048	6.705168	6.763709	8.415325	8.428098	8.957202	9.909952	7.704633	9.148019	4.756434	4.354439
BC068157	1.066311	1.529282	1.773576	1.969279	2.602732	2.619521	3.518704	2.670287	4.197241	4.481023	2.970601	3.149546
Gskip	2.648161	2.321867	3.019022	2.850922	3.309691	3.587563	4.123129	5.267483	6.265318	6.484481	5.948299	5.738203
Prkar2b	4.158232	4.2182	5.020677	4.817518	5.9269	6.177704	7.257669	7.31171	10.64741	10.95407	7.428641	7.856363
Myh9	47.4372	63.95959	76.0982	74.20985	67.91664	65.12599	65.92618	56.36914	66.57027	68.85687	131.4771	128.1587
Creb3l2	1.612135	2.139035	3.436721	3.001479	4.253145	4.083505	6.02134	4.917008	6.496722	6.8235	6.024576	5.907409
Ttc9	1.09405	0.899753	1.351711	1.446044	1.647705	1.542053	1.844499	1.90498	2.692143	2.537588	3.531515	3.287282
Sh2b2	1.182598	1.239644	1.254307	1.334424	1.711103	1.492282	1.413105	1.694983	3.162268	3.03112	2.662165	2.678492
170004201	1.385889	0.986678	1.558418	1.726067	2.848335	2.709049	3.859107	3.662173	2.164893	1.86432	3.677327	3.919329
Hist1h2bm	1.42578	1.988835	0.648936	0.87371	0.636025	1.105732	0.582062	0.984086	0.633783	0.738796	0.511114	0.487492
1810014B0	2.0632	2.113058	2.660125	2.314198	2.09793	1.957953	1.775097	1.439026	0.859006	1.020396	1.299879	1.497234
Rgs2	0.29365	0.307516	0.292093	0.409688	0.513045	0.433635	0.554241	0.713633	1.204908	0.929133	0.60718	0.84227
Atg2a	5.806091	8.143736	13.73034	12.67598	9.524762	8.785547	8.568979	7.569649	6.14721	6.08074	5.451315	5.590147
Spef1	0.457961	0.43292	1.066529	0.886966	1.37794	1.308148	1.397144	1.24378	2.07705	1.890751	2.157288	2.01029
Ttc30b	1.330707	0.727632	1.198499	1.097992	1.199425	1.344278	1.866851	2.208935	2.29579	2.300941	2.81892	2.488144

P4ha3	0.125988	0.12376	0.487844	0.399497	0.603708	0.393614	0.549931	0.526597	0.69641	0.600539	1.133405	0.891797
Pea15a	12.90552	11.8063	12.76728	14.83874	19.90934	19.24505	28.37707	28.35262	31.96483	29.91408	33.3137	33.59797
Hist1h3g	11.27843	10.78773	4.232922	7.566857	6.661681	10.45703	8.48407	8.341683	6.458062	7.89719	4.811657	4.619109
Smc1b	4.601963	5.210136	4.736356	4.401631	2.484422	2.629377	1.894312	2.205237	1.876753	1.944932	1.958447	2.043284
Cobl1l	0.644235	0.783754	1.358712	1.372039	2.016491	2.054926	2.641678	2.238844	2.703794	2.5983	3.313409	3.104032
Efcab12	1.193212	1.451103	1.549067	1.256806	1.365284	1.202643	0.877503	1.139067	0.655222	0.812786	0.490038	0.555788
Dppa3	13.85822	12.67796	4.48035	4.896357	3.651519	4.362006	3.239015	3.432044	1.733508	2.165639	2.013334	2.584568
Bag2	6.048566	5.523335	6.048223	6.555349	7.340431	7.582537	9.957769	9.952957	14.50023	13.52842	16.11646	14.81725
Mep1b	5.932852	5.622419	4.778473	4.101738	2.774699	2.576298	2.607933	2.644731	2.662959	2.680264	1.435793	1.815559
Apobec1	4.947763	4.841014	5.128617	4.859133	4.669968	4.381405	3.52837	4.076299	2.382926	2.330574	1.46329	2.151232
Zfp282	1.791948	1.818398	4.047926	3.631969	4.615337	4.482802	5.493632	5.079441	6.023201	6.200625	8.432574	8.201953
Gatsl2	1.484295	2.115904	2.459528	2.770457	3.814305	3.367043	4.217169	4.122421	4.339465	4.889035	2.221234	2.165285
Aldh3b1	2.311227	1.930573	2.017752	2.211173	1.965917	2.05263	1.824288	1.449755	1.444459	1.492805	0.931004	0.979691
Sema4g	3.113211	3.728513	7.725502	7.739726	6.891398	6.612203	5.414689	5.508324	5.014693	5.081908	3.452751	3.429237
Slit2	0.80676	1.022139	1.385403	1.613743	1.812275	1.545427	1.995936	1.907779	3.200641	3.484671	2.807957	2.927466
Rela	6.584106	7.099996	11.03934	10.56192	9.766041	9.180022	10.9586	10.19825	11.69351	10.94326	20.6471	20.69636
4933438K2	1.477059	1.917867	1.397449	1.466408	1.13048	1.206072	1.046643	0.913535	0.66197	1.020985	0.401322	0.650591
Zkscan16	0.786256	0.647381	1.64321	1.63942	1.773229	1.244342	1.617347	1.794838	1.656159	1.526091	0.74838	0.796641
Ypel3	7.992224	7.466879	9.290578	8.204056	7.167446	7.400482	7.63784	8.820657	7.006625	6.668364	3.78353	3.915145
Crb3	4.626277	4.140963	2.610392	1.784167	1.569525	1.380754	1.506936	1.20471	0.780152	0.792252	1.01441	0.969743
Rsph3a	0.533404	0.658262	0.813043	0.708519	0.745962	0.678506	0.869383	0.984873	1.256635	1.526766	1.296017	1.178322
Nlrc3	0.235454	0.318071	0.76255	0.699868	0.693397	0.680681	0.690133	0.65057	0.668854	0.526835	1.102322	1.185218
Pet100	8.493082	5.164613	5.395752	5.207034	5.91258	8.054991	4.966015	4.572399	3.954374	3.586279	4.736914	3.947137
Sirt5	3.626477	3.489264	3.332031	3.60435	2.636654	2.864927	2.184431	2.194216	1.806659	1.605245	1.926378	1.688836
Snappc5	20.86953	17.93888	23.08247	20.30658	17.44598	16.92774	13.54747	11.39174	10.02662	9.044663	11.83122	10.77346
Zbtb10	4.474939	5.766504	6.23101	5.87228	7.999415	7.449729	9.04756	7.604682	12.23502	13.18252	12.72068	13.13182
Vash1	2.723686	3.294278	8.036138	8.264222	10.65123	10.03906	14.1521	12.74915	15.43899	15.9505	19.21441	18.54906
Nat8l	0.929737	1.178569	1.979305	1.91609	3.121985	2.661539	3.244297	2.871318	4.297154	4.299361	4.194491	4.147457
Colec12	1.826703	1.620833	2.533083	2.477997	3.167129	3.071636	3.999453	3.992591	5.366717	5.560119	4.394949	5.29352
Rras	15.38249	15.396	6.946258	7.051341	9.654305	8.05152	9.252068	9.737993	11.08092	10.13472	18.82862	15.8216
Ttc3	17.73663	19.18694	21.32558	21.89416	23.55358	23.44266	28.03343	29.05418	44.44756	49.11631	34.17144	37.57514
Acadm	61.67578	54.92139	50.69518	47.53708	42.98708	43.36485	38.96895	40.27319	25.75892	26.54342	22.14932	21.19311
Tirap	2.529978	3.010858	4.354371	3.916481	4.736625	4.674466	6.240618	5.709022	8.498674	8.583713	8.540554	8.784752
Kalrn	1.138361	1.196376	1.273138	1.144742	1.391766	1.536969	2.140935	2.04978	2.269434	2.555411	2.434034	2.567125
Adcy6	0.797979	0.963193	2.092115	2.618766	3.833981	3.510695	5.127188	4.712413	5.865643	5.871608	5.691752	5.67661
St14	13.1613	15.12765	11.3694	11.45684	8.47884	8.82749	7.3599	8.312113	5.149171	5.110428	6.285911	5.632373
Atp2b1	11.96582	13.14344	15.89309	16.41375	18.335	18.2166	22.44041	22.77622	31.46546	31.9877	34.17715	36.77482
Frmppd1	0.222839	0.360307	0.608399	0.517429	0.487664	0.511924	0.589857	0.572313	1.149762	1.079052	1.430539	1.146701
Ttyh3	6.590172	8.103646	11.65963	12.05384	14.26187	13.86486	19.46383	16.57986	27.51104	26.71297	28.77612	26.98292
Zfp800	1.939069	1.882481	3.149903	3.399949	4.077121	3.914201	4.181062	4.047959	6.22261	6.30341	7.466942	7.609943
Wwtr1	9.531383	9.408853	11.587	10.74813	12.5959	12.37625	15.48637	14.67777	21.01347	21.78609	22.99792	24.05491
Hist1h2ak	7.473598	11.18218	3.248666	4.634431	4.621695	7.555611	5.308903	5.843479	5.713097	7.258688	2.839047	3.377487
Col1a1	0.272193	0.356488	1.24687	1.233527	1.578445	1.241313	2.317666	1.588581	1.825337	1.714457	3.43866	2.759046
Hmgcll1	0.571857	0.593651	0.74717	0.870612	1.099219	1.20396	1.313363	1.46734	1.757684	1.946713	1.245451	1.308709
Eya2	0.312022	0.223818	0.75813	0.616345	0.835368	0.941981	0.931243	0.666808	0.995324	1.004812	1.276321	1.377177
Fam126a	4.669059	4.889802	7.840987	8.49261	8.421281	8.102251	9.416296	8.51376	11.87156	11.43205	17.46415	18.09519
Armxc3	3.155778	2.97611	2.620301	3.093029	4.740419	4.706776	6.774688	6.906446	6.334475	6.817384	4.756188	5.879117
Slc27a4	6.575375	6.757224	9.328576	8.903921	10.10875	10.3136	13.59063	13.22544	15.1663	14.73425	20.17145	19.88073
Wdr45	9.495103	9.300747	10.84497	9.852754	8.123305	8.929383	8.937137	9.344126	9.848802	9.671102	19.50483	19.93501
Thnsl2	1.776909	1.685053	4.789285	5.314189	6.003108	5.625979	5.927297	6.259969	3.94859	4.852779	3.176179	2.804035
Nfatc2	0.581621	0.762415	1.455298	1.4273	1.438333	1.398638	1.276469	1.105097	0.677843	0.781223	1.865755	1.743703
Trnp1	0.670474	0.752884	1.480662	1.108801	1.462638	1.496539	1.302409	0.963411	0.750273	0.685507	0.582122	0.670549
Grasp	11.19839	12.3383	37.45518	33.53948	33.12593	32.37279	31.20027	29.84779	20.33383	17.80192	16.61473	15.03021
Cacng4	0.334242	0.41565	0.590709	0.585714	0.891677	0.902811	0.94085	1.044467	1.276761	1.238013	1.299593	1.306937
Smarca2	0.399354	0.324579	0.832312	0.696888	0.878796	1.065934	1.308045	1.355365	1.543379	1.433419	1.535486	1.554466
Gucy1a2	0.550739	0.675651	0.563883	0.573805	0.744392	0.74153	0.749731	0.835484	1.130565	1.279625	0.795067	0.80847
Rwdd2a	3.716245	3.99818	3.466911	3.676608	4.447337	3.693703	3.87382	4.876944	2.80862	2.993185	1.70458	2.187286
Twf2	68.83404	61.86554	55.09938	51.09072	39.8805	39.98619	32.54742	35.20905	27.0148	24.12384	25.35846	22.91731
Tada1	3.776357	4.005254	5.678377	5.37199	6.810422	7.276251	7.646424	8.019245	9.892373	9.088829	10.93077	11.9733
AU040320	2.48994	2.84954	4.008106	3.828681	5.150722	4.690617	5.968989	6.008053	8.141167	8.531566	8.146816	8.431819
Cyld	2.706101	2.923199	3.963961	3.861172	4.062045	4.007484	4.08932	4.30579	3.427197	3.551131	7.309766	7.911907

Trim61	35.17336	28.78161	4.533749	4.454974	2.652894	2.685383	2.177531	1.999894	3.140869	2.930193	2.076152	2.555775
Ankrd33b	3.668253	4.059408	1.404506	1.272161	1.226449	1.314762	1.766894	1.442836	2.726242	2.56326	2.726599	2.833485
Megf6	1.098307	1.412669	2.18059	2.197736	3.382649	3.109509	4.046408	3.358888	5.150718	4.891724	3.58427	3.457755
Accs1	5.197582	5.755409	1.759707	1.528432	1.285052	1.696565	1.447139	1.891265	1.140177	1.319857	0.537059	0.85037
Xylt1	0.789933	1.032672	1.805481	1.886278	1.930541	1.896981	2.931712	1.6156	2.797655	3.008423	3.362985	3.59292
Golim4	4.667836	4.472807	5.819268	5.31953	7.225379	6.878682	7.847596	8.808862	11.99773	11.82903	11.13201	11.1677
Dnmt3a	28.5803	29.28307	25.89322	25.61364	24.22039	23.26713	24.87721	24.07957	19.30266	20.34929	11.4455	11.52335
Cd97	14.03585	14.87158	12.16835	12.82254	8.97264	8.510625	6.262104	6.623882	5.755093	5.957438	6.093399	5.768796
Ano10	1.97663	1.888207	1.927231	2.391939	2.782412	2.320357	3.466692	3.047533	5.291528	5.155794	4.880512	4.487568
Pcsk4	1.556009	1.702956	0.911163	1.216551	0.944664	0.780913	0.742137	0.811551	1.064514	0.731548	0.463121	0.547643
Ror2	2.282437	2.505832	5.463107	5.138934	6.844525	6.816496	8.617665	8.561918	11.76976	11.40197	8.96378	8.375919
Olfm1	2.289791	2.879223	4.553546	4.364091	7.094412	6.807709	10.12026	9.655606	9.590025	9.528566	8.153069	7.807147
Impa2	52.27174	52.68154	39.5143	38.49176	30.622	29.43285	26.61927	26.35392	25.11113	23.63456	19.89799	17.40409
Gm20939	9.264371	8.340379	6.361762	5.855644	4.726775	4.499403	4.014185	3.458386	3.439901	3.302526	2.767894	2.648208
Clcn5	3.158728	3.831146	8.798072	8.784793	10.47345	9.529652	12.54767	9.803545	14.76342	15.13683	17.79844	19.42314
Spag9	6.152143	7.085701	7.070322	7.001886	6.966128	6.696569	8.344099	8.294326	12.30772	12.64875	13.5062	14.79679
Pdcd4	9.688461	11.17931	10.02338	10.16811	13.38263	11.9416	16.8599	18.04519	22.05405	22.46185	15.09032	15.9336
Mfhas1	0.688853	0.791981	1.945502	1.940938	2.646521	2.492335	2.777601	2.976733	3.418721	3.608644	4.238777	4.287466
Pspn	0.381817	0.625471	1.088198	1.016784	0.678655	1.560554	0.844494	0.791006	0.539393	0.706776	0.447584	1.122301
Hist1h3i	6.948773	7.907867	1.830657	4.840533	5.109369	7.61677	5.263136	5.245465	4.936706	7.273686	5.037572	3.449673
Antxr1	0.899252	0.991755	1.89695	2.136605	3.187246	3.168797	4.122831	3.740106	4.683746	4.716259	4.504725	4.603738
Nr4a2	0.248163	0.226571	0.451616	0.477012	0.530393	0.526996	0.847087	0.906342	1.055007	0.946115	0.982293	1.052829
Orai2	0.492256	0.467663	0.580799	0.506718	0.859359	0.721611	0.846248	0.98706	1.084914	1.117407	0.837004	0.751665
Rusc2	1.284099	1.455349	1.940501	1.750963	1.739342	2.010631	2.069315	2.094717	2.44069	2.206326	4.188725	3.859906
Bmpr1a	17.40289	18.74204	20.35422	20.51813	23.6357	22.84496	28.32284	27.67487	42.05446	45.22832	34.50288	38.73272
Pnmal2	0.452572	0.483226	1.099894	0.919267	1.266993	1.056621	1.398945	1.164049	0.784162	0.781995	0.606809	0.528243
2410003L1	40.14841	40.33187	45.4407	41.48533	40.89173	42.54878	40.73615	36.13584	30.21698	26.56029	17.81828	19.32471
1700020DC	0.571803	0.82874	1.181574	1.197388	0.945794	0.963938	0.721948	1.422997	0.69383	0.646506	0.812971	0.690587
1700101EO	2.093122	1.932471	1.133443	0.944421	0.874763	0.703295	0.654558	0.636435	0.461076	0.539445	0.648539	0.429334
Accs	0.730015	0.719132	1.028914	1.147909	1.49784	1.725253	1.839384	2.14667	2.585196	2.524653	1.862468	2.324577
Zfand5	19.60683	19.65203	21.02165	19.95738	22.85669	22.6989	27.37804	26.06294	43.15558	41.90793	43.8812	43.87644
Lace1	4.769341	4.598574	3.793486	3.987231	2.825246	2.866146	2.792744	3.268943	1.922488	1.945766	1.645973	1.814222
Hook3	3.030361	3.560559	4.035719	3.987975	4.5103	4.460164	5.387223	4.92915	7.554543	8.761199	7.331172	7.439283
Cds1	3.434401	3.696365	2.516006	2.613906	2.679024	2.418467	2.10417	2.090148	1.55936	1.927625	1.222509	1.190128
Tdrkh	1.779571	1.770759	2.493327	2.894596	3.3533	3.243093	3.187979	3.443454	5.23549	5.635845	6.721121	6.355984
Faah	0.695642	0.945919	1.636016	1.295671	1.469974	1.302504	1.133773	1.22733	0.562847	0.593568	0.630044	0.668902
Vash2	3.875101	4.295255	5.20318	5.286154	6.790053	6.763282	8.356669	7.86548	10.97038	11.59109	8.212231	8.509684
Ehd2	0.831129	0.456751	1.750281	1.886286	2.274474	2.356508	3.576696	3.299076	3.115469	2.963661	4.551228	4.134992
Gas8	6.688859	6.978073	9.802839	9.341105	10.21092	10.83034	11.0914	10.77469	12.7556	10.78274	21.99878	20.46804
Dnah8	1.631374	2.146457	0.833693	0.977907	1.04938	0.898665	1.042674	0.960931	0.67322	0.901335	0.470265	0.446339
Acvr1	2.8958	3.421038	4.037618	3.442382	4.642002	4.825501	6.011817	6.091441	7.787381	7.324001	7.616505	7.339984
Snrpn	57.06888	56.39526	36.77091	36.23828	34.98145	33.85362	28.83955	31.23679	23.1405	22.44762	16.56423	16.55435
Kmt2e	5.495333	6.057863	6.042131	7.025503	8.248532	8.006701	9.82593	8.679091	14.93788	15.37525	11.31092	12.43688
Rimbp3	0.459259	0.622887	1.451154	1.42873	0.957121	0.949898	0.906449	0.850362	0.833828	0.743954	0.827674	0.652998
Arhgef3	4.833573	4.940442	2.420972	2.429705	1.904664	2.020967	1.867626	2.000185	4.038905	4.37584	4.139803	3.918132
Armxc4	9.552152	10.46313	9.299837	9.884731	12.19133	11.78781	14.32873	14.65915	21.38436	21.60868	16.64982	17.93482
Uqcrq	72.76836	58.71556	57.49107	59.26426	60.79071	62.54941	49.35316	48.86996	34.30798	28.61421	46.23922	41.5413
Bcar1	27.8281	31.02625	32.63696	30.26259	31.72779	31.34548	33.07943	34.37807	32.50551	31.80729	67.31694	66.14763
S100a16	1.019765	1.054713	1.668081	1.430377	2.286337	2.038443	2.295667	2.661485	3.167003	2.407935	3.472285	3.12375
Brsk1	3.923536	4.65985	8.776143	9.264031	7.812053	7.902081	6.366807	6.695299	4.649043	4.528243	4.305246	4.243226
Ccdc85a	1.194845	1.420072	0.562391	0.569803	0.745362	0.687192	0.948663	0.906103	1.344552	1.243876	0.756611	0.879724
Dok3	0.417188	0.684886	0.838236	1.172666	1.133344	1.276237	1.199404	1.788589	0.931442	0.819339	1.990815	1.623208
Pdha2	0.325758	0.379724	1.910305	1.900098	1.643649	1.705521	1.907102	1.873089	0.912588	0.870608	1.506772	1.562007
Egln3	10.56232	8.649488	2.250749	2.927441	4.245156	3.527819	3.972035	4.383886	4.213742	5.103962	2.122752	2.33877
Aldh1a2	0.480616	0.476017	1.17869	1.186797	1.227896	1.36114	1.18867	1.138556	1.118959	1.020924	0.546859	0.624045
Cyp26a1	0.999753	0.880731	96.98327	91.71224	142.4395	147.0254	139.4969	140.7334	76.26971	67.42735	74.82755	73.95695
Morc4	1.449322	1.851254	4.099096	4.078241	5.816262	4.991901	6.120125	5.51315	6.10499	6.128683	8.220859	8.890992
Zfp618	0.905299	1.050079	3.281922	3.169834	4.523763	4.29863	6.306469	5.336667	6.878649	6.908134	5.035913	5.445947
Dhtkd1	6.723156	7.195056	7.269813	6.700914	6.724846	6.742494	6.303942	5.68372	5.389754	5.378873	2.593962	3.094096
Ifi27	0.246989	0.278472	0.593403	0.767483	0.90737	1.115844	1.209857	1.391142	1.205047	1.40199	1.849725	1.672222
Shroom2	3.084996	3.763303	4.490978	4.42034	4.808696	4.517154	5.07492	4.409034	5.916241	6.076972	8.767334	9.605644

Tgfb3	0.38433	0.383145	1.245178	1.282911	1.783479	1.775572	2.369241	1.732396	2.521987	2.352126	2.625041	2.794498
Slc29a1	67.09456	63.22741	39.20542	37.36215	32.65052	32.90236	28.8897	28.86894	22.46468	22.40154	18.47185	17.15925
Cbfb	27.64762	29.29432	37.29085	35.57695	38.73147	37.57938	44.27229	38.52758	53.32278	53.97059	77.96527	77.45203
Spint2	63.48931	68.29409	58.7977	53.07514	46.45601	45.13854	37.996	37.39088	27.70298	24.37998	32.87863	28.41324
Atp2a3	4.844032	4.780218	3.486838	3.40038	3.271139	3.33103	3.274711	2.869414	1.939931	2.027457	1.682898	1.562446
Zfp560	1.247368	1.150373	1.761312	1.873807	2.178303	2.200353	3.096628	2.979133	3.377468	3.467712	4.157626	4.077538
Il13ra1	0.559756	0.598644	1.151844	0.996721	1.475788	1.303645	1.695853	1.81812	1.766235	2.062333	1.670605	2.168534
Bcat2	38.74576	34.66672	21.5796	22.34018	17.64353	17.28671	16.60521	18.21983	11.89805	11.45739	9.593793	10.27012
Otx2	24.46254	24.55604	2.130494	1.712522	1.507957	1.359326	1.214572	0.882349	1.843691	1.918947	1.693337	1.635981
Mtus1	6.372011	7.625503	5.426569	5.340481	4.023459	4.245355	3.895566	3.593048	2.625605	2.857412	2.56628	2.455629
Rnf19a	6.672131	6.793893	6.892276	6.805568	8.726853	7.940964	9.154163	9.294502	10.51415	11.23839	14.26417	14.796
Rock2	13.39535	15.62428	25.9324	26.05901	25.97491	24.21319	25.04639	25.31127	26.49112	26.96438	47.9714	52.63229
Acs14	15.07501	16.39997	20.06135	20.30061	26.78214	24.87033	32.92814	31.63529	43.1853	44.11956	29.31676	31.88278
Nap1l2	0.515636	0.514708	0.856037	1.024998	1.079152	1.140972	1.079589	0.893612	0.565351	0.525119	0.701732	0.757457
H2-DMa	0.596595	0.915105	1.432378	1.098303	1.400182	1.125193	1.147174	1.356282	0.683022	0.786565	0.599263	0.62454
Pcmdt1	26.0941	25.82562	18.36814	17.61163	15.42944	14.37026	12.21238	13.09627	11.8597	12.71828	7.370693	8.11298
Pdgfrl	1.373366	1.128995	1.069327	1.412544	1.967197	1.969445	3.390435	2.808854	3.206906	3.065015	3.178174	2.240069
Tanc2	0.445606	0.544084	1.267176	1.381509	1.433687	1.353987	1.537609	1.367863	2.205567	2.081194	2.791529	2.937568
Thy1	2.171808	2.186126	0.350122	0.599501	0.557041	0.475036	0.588447	0.540255	0.8603	1.030574	0.778526	0.702862
Rassf5	0.549789	0.764847	1.107001	1.33245	1.184978	1.211097	1.227842	0.954824	0.784669	0.614301	0.680417	0.807141
Sycp2	0.440763	0.351169	1.358571	1.310703	1.553047	1.450667	1.39298	1.516602	1.096128	0.907424	1.88582	1.968146
Smug1	5.896835	5.407042	6.096768	5.931478	7.986928	7.594194	10.58565	9.556258	12.87319	12.86076	11.95358	12.71107
2500004C0	0.911939	0.781501	1.936032	1.720068	1.835965	2.210159	2.581025	2.469288	2.852756	2.072096	3.673996	3.728109
Synpo2	0.210009	0.235229	0.595325	0.494438	0.548851	0.713491	0.709124	0.685153	0.661109	0.618582	0.985168	1.071553
Arhgef28	1.578	1.854903	0.774728	0.83928	1.042557	1.154122	1.55494	1.804596	1.78552	1.744093	1.550375	1.818847
Prkrir	16.02523	15.95787	19.09531	17.47735	18.12232	17.76637	20.9135	20.56965	26.78936	26.83284	34.59742	37.85497
Gpr125	17.02003	18.13495	21.97021	22.1635	27.94446	26.58721	32.76426	33.36727	47.0783	47.96485	39.45459	39.34177
Pdgfrb	0.502338	0.585065	1.679442	1.765463	1.989942	2.025868	2.086427	1.832164	1.48126	1.745772	1.1715	0.936448
Manea	4.445291	4.718077	6.056222	5.75993	7.363089	7.262743	8.835816	7.73254	11.53159	12.45988	8.934877	10.01083
Dapk3	14.87876	14.14733	22.06057	20.62828	18.91418	17.47021	17.47754	18.41595	19.36695	17.94943	42.56262	37.77865
Arhgef17	3.606778	4.646726	5.446488	5.470945	7.136443	6.929443	8.60142	8.010843	9.125099	9.587429	12.24883	11.82495
Kctd15	7.509625	8.25866	11.74779	10.81226	12.00115	11.53719	12.02204	12.05694	16.88018	15.89887	24.16783	23.35355
Pknox2	3.15838	3.345935	8.745312	9.544409	15.41072	13.74473	21.37864	20.11257	22.1489	20.61431	10.11865	10.10782
Them6	9.658666	10.00125	9.240179	8.595144	8.345126	7.905086	6.512575	6.541427	4.593901	3.980035	4.675254	4.316538
Dock11	3.523601	4.102017	4.935734	5.06819	6.015232	5.751103	7.280922	7.495922	10.6666	10.94507	9.376923	10.29032
Slc39a4	11.86149	12.91393	10.3083	9.498037	7.486953	8.111754	7.124473	7.207079	6.367888	6.116115	4.833909	4.398139
Zyg11a	14.05732	16.39844	7.399956	6.604258	4.673715	4.226607	3.954471	4.381633	3.094364	3.693402	3.811402	3.059599
Stmn3	6.452612	6.540744	4.540543	4.033891	3.173517	2.858679	1.934902	2.929193	1.880467	1.86889	2.494292	2.72803
Msh6	173.8864	191.3982	193.8205	184.9857	150.7562	143.025	134.4731	129.3858	120.3908	122.4474	87.07212	85.79834
H2-BI	2.5288	2.596448	44.47608	36.37076	43.45963	43.46695	42.67645	50.37004	31.76191	29.17121	29.79051	23.36764
Tnrc18	5.782478	7.206881	9.319538	9.003655	11.37539	11.06802	14.85602	13.77127	17.50394	16.8626	21.80121	19.40381
Slco4c1	2.121065	2.179217	0.928484	0.844733	0.858241	0.77891	0.849256	0.534751	0.786773	0.787562	0.492766	0.392126
Mup6	9.288863	7.378753	2.808148	3.267465	2.67396	2.339828	2.535639	3.542869	1.743906	1.680434	1.224154	1.644756
Fmn2	0.811577	1.072441	1.037875	1.094593	0.792458	0.884289	0.975017	0.947546	1.861243	1.904512	1.815909	1.579047
Cxcl14	0.784759	0.680558	1.224149	1.170933	2.034543	1.921274	2.027452	2.51946	2.674595	2.372645	2.189072	2.071816
Notch2	3.143139	4.553177	7.09323	7.210481	7.579744	7.441766	9.460325	7.186644	14.50565	15.03428	15.20579	15.46306
Lhfp14	0.779198	0.873058	1.034384	1.197263	1.231199	1.308706	1.356656	1.210553	1.497187	1.463952	2.283929	2.575676
Sptbn4	3.43167	3.529108	3.782091	3.581883	2.889155	3.027815	2.265522	2.432566	1.730659	1.666326	1.564471	1.698033
Sidt2	8.950377	10.82809	13.11007	12.47585	13.53367	13.32633	16.3758	15.1541	17.25071	16.85993	27.9414	26.81346
Tcerg1l	0.856452	0.726888	1.502394	1.452701	1.469039	1.662261	2.029004	2.192612	1.82492	1.550264	1.035106	1.020283
Csad	22.68992	21.60513	15.99279	14.95526	16.2795	15.04412	14.41872	16.20174	10.77363	11.21449	6.7922	7.539156
Vezf1	11.29189	12.6098	20.73953	22.10252	24.95733	24.52676	30.79522	29.7176	47.01678	47.49659	43.30636	45.35876
Gm13212	3.581283	3.112681	2.986963	2.651634	2.361581	2.02438	1.644339	1.79907	1.519318	1.452971	1.22217	1.234034
3632451OC	5.879089	5.665759	2.501114	2.541242	3.219564	3.344881	3.520143	3.737152	4.862688	5.458423	3.261605	3.593864
Myl12a	73.65068	71.80898	93.87865	89.35556	88.61962	87.10034	92.60375	80.18458	88.13334	74.14321	174.8127	159.2216
Adrbk2	1.637626	1.905755	2.631284	2.661431	3.444514	3.402975	3.363389	3.22628	2.089103	2.280012	1.757755	1.585447
Maml1	6.934803	8.140274	11.05199	10.31963	11.56975	11.84111	13.09886	11.23352	16.06706	15.62484	23.48349	22.14787
Twist1	1.44611	1.191641	2.809372	2.611856	3.876119	3.875603	3.704381	4.08927	4.904601	4.796194	6.684232	5.60435
Rnf24	1.393889	1.49753	2.483702	2.459797	2.886734	2.98374	3.889863	3.410369	5.348878	5.276186	4.768206	4.981165
Cd63	102.9245	88.13181	43.29445	42.90273	49.30776	45.05041	47.06321	52.71298	67.11989	61.41783	94.87515	92.0168
Commd3	30.39121	22.87815	29.39924	28.55595	45.08709	44.01589	53.83507	51.56379	63.32903	55.89929	57.24015	61.22829

F2r	17.56127	18.19019	20.83741	20.41424	25.31322	25.9542	38.23017	32.89341	44.34418	43.77009	36.14263	38.84932
Sobp	0.307648	0.394819	0.677525	0.680991	1.055146	0.971229	1.410021	1.025806	1.317562	1.211245	1.324069	1.458704
Dkk3	0.989871	0.697325	0.888257	1.192946	2.057	1.800036	2.531053	2.554864	2.42839	2.538518	2.001226	1.957662
Gm13034	1.179489	1.265886	3.787874	3.13528	2.326285	2.366202	2.801961	3.186431	1.710021	1.488744	2.939716	2.837152
Fads1	21.7973	23.96757	30.58266	29.8699	40.67336	38.15595	49.01088	44.53458	63.07492	63.91967	54.28646	53.22752
D10Bwg13	0.582303	0.742205	2.204854	2.431753	1.957759	1.775393	1.879964	1.517362	1.076763	1.136822	1.506361	1.478823
Lphn1	21.46958	25.8615	23.31082	22.73298	20.65303	20.51467	18.13662	17.04883	16.18382	16.64651	10.20883	10.63374
Akr1b8	25.76812	22.05543	15.642	14.27487	14.36083	14.06098	15.49084	16.70373	10.41208	8.098377	6.272435	7.814207
Acan	1.14056	1.14618	3.035589	2.849727	2.828293	3.004515	2.876147	2.759137	1.615572	1.653433	1.459565	1.405619
Ttc12	3.413688	3.193733	2.179603	1.989019	2.420451	2.274334	2.439046	3.126195	1.656478	1.911805	1.271343	1.463407
Mlkl	0.442755	0.574346	0.969419	0.756264	1.175446	1.087765	1.337623	1.614493	1.021157	1.034169	0.782408	0.989674
Mir22hg	1.185015	1.242078	3.240937	2.379837	4.046214	3.520516	3.540942	3.825339	2.643443	2.129356	4.053087	4.54489
Lrrc34	21.81217	18.36487	2.561995	2.721608	1.972087	1.827999	1.658013	1.487057	2.055793	2.164657	1.294507	1.275187
Rfx3	1.248321	1.631142	2.137726	2.022169	2.441563	2.293537	3.057594	2.562163	4.074097	4.314427	3.65231	3.834997
Npnt	1.042867	0.830727	1.578156	1.668318	2.567953	2.203025	2.806509	2.983097	3.757548	3.558521	2.874876	2.75704
Llgl2	38.79501	40.90595	89.08232	81.96147	86.76838	84.76481	84.42991	88.24559	50.81083	50.10354	46.04523	41.38057
Gabbr1	20.11176	22.9849	18.26623	17.66522	14.36455	15.83533	13.39774	15.94981	11.41578	12.34168	8.082535	8.28782
Nhs	1.763955	2.09147	2.273536	2.333911	2.443165	2.183374	2.375463	2.059916	4.294614	4.39054	3.079351	3.351695
Cpeb1	2.287134	2.26066	5.378267	5.38058	6.048382	5.824599	5.33412	5.574035	2.818281	2.732839	3.020881	3.250483
Cxx1c	0.402797	0.476437	0.67504	0.877653	1.856826	1.487587	2.394676	1.870009	2.540361	1.196347	1.828564	1.683411
Scd2	88.35567	101.2015	127.8537	139.2805	214.5753	197.2301	253.5955	230.6483	282.1027	296.6974	203.9688	197.4196
Noxred1	4.189524	4.038307	3.869876	4.809054	3.823445	2.856125	3.072534	3.150013	1.960587	2.257758	2.346784	2.577611
Micall1	1.293944	1.410348	1.598342	1.634322	2.383191	2.273969	2.485471	2.2311	2.923049	2.962829	3.58067	3.480978
B3gnt3	0.345293	0.493637	1.236493	1.181189	0.632167	0.800011	0.695058	1.002862	0.442542	0.555178	0.573996	0.556034
Sh3pxd2a	2.963642	4.025614	3.005275	3.065698	3.849331	3.671065	4.778052	4.228071	6.163339	6.520463	5.710833	5.324049
Al661453	0.452145	0.608896	1.106456	1.063072	0.753193	0.687638	0.631157	0.529735	0.494057	0.504327	1.017746	1.072638
Zmiz1	5.495724	7.162673	21.95219	23.95745	33.37462	32.09557	46.09188	33.96329	53.04273	50.91076	40.90903	39.22915
Alox12	0.409829	0.407434	0.58595	0.608685	0.967629	0.874616	1.016191	1.186904	0.571105	0.605034	0.54724	0.558563
Tead2	59.91043	53.7097	39.17861	39.58256	53.06629	50.48389	58.81727	68.13393	86.30538	84.09216	77.6367	75.18083
Tor1aip1	3.530966	3.665236	4.363946	4.759861	4.78566	5.150009	5.36574	6.264197	8.53356	8.242244	9.891268	10.1096
Pmm1	139.1112	128.6003	114.571	104.0978	102.6011	97.90146	83.30932	92.29212	64.86346	59.88027	52.47329	49.05085
Figl1	6.3123	7.49352	19.45149	17.99918	31.97569	32.65762	44.78833	38.1979	40.59684	36.1147	34.41145	31.76925
Galnt4	0.753276	0.740886	1.410626	1.242511	1.376688	1.362744	1.768682	1.759012	1.909912	1.903954	2.605111	2.636138
Stag3	21.92654	23.51618	19.93797	19.41995	15.38615	14.61224	12.10634	13.48094	8.80682	9.52792	10.38433	9.155509
Arhgef26	1.270306	1.363859	3.059919	2.806489	3.15486	3.220077	4.57243	4.646808	6.132057	5.952423	5.205514	4.77139
Lonrf1	4.847838	5.790473	6.035802	5.709594	6.415505	6.328926	6.703023	6.594784	8.686836	9.370538	12.00277	12.10317
Isoc2a	37.46942	34.34516	38.9495	33.22176	29.3573	29.05494	22.75743	24.85507	19.23853	16.70199	16.42094	15.67246
Zfp1	1.68378	2.10422	3.646071	3.146497	3.945023	4.149824	4.952969	4.520808	5.565819	5.116346	7.99368	6.666871
Epb4.114b	1.491406	1.620755	1.473614	1.502551	1.811729	1.74778	1.93774	2.02169	2.030964	2.079804	3.02565	3.182877
Col22a1	0.272072	0.322552	0.60321	0.640891	0.93523	0.913867	1.007137	1.143878	1.248826	1.357565	1.338809	1.174438
Ube2h	8.597818	9.612236	12.66732	12.09323	16.32768	16.22545	21.8807	19.53382	23.67738	25.61128	20.7728	20.91022
Fam53b	1.586591	1.735982	1.669266	1.819522	2.406727	2.320369	3.1844	2.324059	4.00728	3.851713	3.300259	3.037325
Purb	12.92451	14.98811	21.62718	20.71502	18.74106	17.90952	19.17925	15.2111	21.06053	22.0329	30.62549	32.19652
Fign	0.38325	0.504819	0.856825	0.998542	1.048947	1.145892	1.511712	1.198881	2.052274	2.113128	1.645189	1.856302
Crtc3	0.982559	0.77393	1.712234	1.934658	2.46332	2.203451	2.751714	2.18988	3.220734	3.30682	4.179802	4.09288
Casp7	2.417819	2.739841	4.720896	4.41332	3.770361	3.92283	4.045027	3.330555	2.955132	3.162343	7.42641	6.687427
Ank	3.174811	3.833446	4.329889	4.785952	6.920296	5.765303	7.795423	7.891571	9.816845	10.11914	8.902892	9.042098
Bcl2l1	14.45835	14.74985	16.52691	14.36441	14.34598	14.62397	15.43464	17.50216	18.26569	16.26854	30.47711	30.36964
Chrn1	1.412217	1.238599	2.218476	2.210435	2.046982	2.122106	1.971014	1.848586	1.799302	1.716426	3.351553	3.628334
Mob1b	3.90748	4.609299	6.583177	6.479062	6.745551	6.529517	7.707835	6.432603	9.749119	9.272836	12.06959	13.58344
St5	4.315903	4.750123	4.539225	4.759271	4.681949	4.587613	5.60616	4.943965	7.606257	6.932193	9.373772	9.685946
Foxa1	0.164641	0.145269	1.486251	1.387587	2.179507	1.969688	2.625168	2.293371	3.294468	2.929295	1.749804	1.513512
Frmd6	3.487479	3.874646	5.353288	4.997485	5.850707	5.500163	6.484493	7.030063	7.540624	7.736673	10.55725	10.54781
Spata33	0.737948	0.697659	1.361953	0.967203	1.940799	1.501985	1.214299	1.266678	1.139318	0.711821	0.995517	0.87221
Dmrtb1	1.201204	1.149545	2.940022	3.278462	4.688622	5.043942	5.240182	5.893014	3.06696	2.792885	3.590608	3.771375
Aard	68.01441	59.7563	147.1225	134.0751	174.6062	168.4864	157.5486	189.3458	95.83279	93.55121	88.86812	89.7449
Vldlr	0.412352	0.391226	0.805136	0.867269	1.012472	0.958058	0.80549	0.746722	0.751411	0.794047	1.361784	1.574584
Ptpru	1.488526	1.572983	4.894443	4.583766	4.953149	4.925316	4.711697	4.760206	3.304876	3.647479	2.289054	2.33594
Adcyap1r1	0.422676	0.377742	0.525267	0.597809	0.913565	0.712257	0.938762	0.713712	1.291047	1.087677	1.139247	1.260316
Rai1	4.434662	5.356922	6.204899	6.481976	6.641543	5.979023	6.696818	6.30805	11.53127	10.59363	12.87715	12.59999
Dpp7	8.147855	7.107011	8.897319	8.324372	6.28783	6.215121	5.996578	5.809841	4.707937	3.953428	3.641502	4.106411

Parp12	5.999963	5.850227	6.60738	6.213548	4.927943	4.248346	4.079736	3.829437	2.631942	2.951612	5.601444	5.161717
Sike1	10.99992	10.38351	10.65412	11.00495	11.90347	12.49045	12.17356	11.90858	17.06354	15.32331	22.64852	23.16081
Uqcrb	103.4205	73.87518	65.28939	72.86927	84.65333	97.74988	72.82358	67.10704	57.83669	49.68667	50.65426	46.46967
Dopey2	3.089616	4.180966	7.614058	7.235518	6.618186	6.625385	7.082063	6.709947	4.050919	4.136016	3.562919	3.439762
3830417A1	0.868072	0.771087	1.62863	1.67835	1.686949	1.310135	2.110273	2.074771	2.157794	2.75405	3.424896	2.524447
Calca	17.35684	13.3848	7.167795	8.383036	8.833032	8.096522	7.001019	7.606453	4.051159	3.988705	4.045887	4.497908
Rfx2	10.14244	11.45359	6.844988	6.511436	5.819302	4.895006	4.620325	4.500806	4.578389	4.738347	3.346438	3.104835
Aldoc	8.115545	7.622411	1.98225	2.001174	2.515285	2.167834	2.164445	1.985038	3.063898	3.800277	2.224901	1.812214
Radil	5.222337	5.443841	3.872403	4.00655	4.603689	3.862901	4.01475	4.245593	2.569842	2.840066	2.032247	2.025621
Ina	22.03538	23.91432	19.202	19.78232	17.55405	17.41878	16.85983	14.95697	10.37113	9.443102	9.946167	10.29807
Mpp3	1.355961	1.512575	1.440443	1.500099	1.778222	1.820475	1.871748	1.694539	3.116682	3.140568	3.235164	3.029438
Tcf7l2	2.057417	2.732375	3.730271	3.471346	3.926013	3.912707	5.128479	4.293689	6.934729	6.841065	6.801493	7.265651
Gstm6	1.213651	1.36586	1.433609	1.485881	1.946996	1.402101	1.552059	1.590062	0.638521	1.350048	0.304066	0.759798
Hhat	0.329736	0.353145	0.872011	0.722792	1.179113	1.184834	1.405456	1.039566	1.173038	1.255533	1.782226	1.512141
Hfe2	0.498649	0.589525	1.124251	1.415595	1.513869	1.275885	1.361931	1.414593	1.377532	1.020071	0.887122	0.67674
C1rl	0.528857	0.837677	0.999867	0.944322	1.190785	0.852642	0.831271	1.105503	0.844026	0.809352	0.489781	0.528549
Dhodh	19.40795	18.35265	13.32047	12.75114	11.36784	11.65371	9.757067	10.19332	8.370746	7.86813	5.908662	6.096457
Prrt4	0.396593	0.415824	1.552801	1.193693	1.729881	1.999633	1.961674	1.552618	1.360161	1.211633	0.962247	0.956328
Syk	12.59299	13.64789	8.784068	8.544235	6.707403	6.621809	6.687353	6.335752	4.111957	4.374731	3.998929	4.087052
Cacfd1	4.275333	4.501047	6.515582	6.584178	8.446768	8.289849	10.3593	9.760346	13.4421	11.8294	13.86478	13.75999
Baz2b	4.726941	5.52785	6.519577	6.74245	7.594084	7.624006	9.34108	9.670233	13.15492	14.08949	10.57443	11.01324
Tubb6	55.37833	54.23717	76.28883	74.30044	93.11347	86.79951	104.881	100.1094	97.52037	95.08593	163.3728	155.2457
Vsig10	5.757863	6.039797	5.856322	5.721461	4.749507	4.78819	3.968086	3.503757	2.738202	2.738352	4.111296	3.706186
Mirg	7.486727	7.339871	4.138508	4.523241	5.192399	5.882453	6.128157	6.523624	4.86491	4.572039	3.546602	3.124036
5730405O1	1.209777	0.981529	0.81528	0.826682	0.759424	0.766681	0.632388	0.723506	0.381353	0.444266	0.342432	0.395925
Tst	14.54253	14.66733	9.309464	8.261486	9.852319	10.36663	8.808737	8.338579	5.852941	6.538393	5.09892	4.967928
Reep5	7.509802	8.228418	10.61887	11.21998	15.16124	14.16901	18.86174	19.57924	21.02517	19.39194	23.42267	23.4077
Cebpb	1.771363	1.565666	4.774452	4.041749	5.330432	4.875241	4.269084	2.773385	3.410543	2.748091	7.34415	5.73111
Aqp11	1.250815	1.439585	1.742872	1.616166	2.590881	2.162372	2.846964	2.517068	1.649632	1.679456	1.365258	1.207067
Nr2c2ap	1.511642	0.862733	0.60587	0.893562	1.185029	0.80365	0.816064	0.63819	0.415434	0.428515	0.309716	0.450623
Glb1	28.72161	29.79088	21.50656	21.78603	18.5096	17.42201	16.98344	18.25762	16.12072	16.43516	10.34848	10.45302
Cldn7	3.906443	4.697043	2.607223	2.443992	1.613331	1.947623	1.490309	1.825535	1.535116	1.35268	1.654419	1.172937
Zswim8	5.739362	6.481064	13.35376	12.18373	14.92881	15.16307	20.15043	17.71409	21.31189	19.03816	26.51504	25.38124
Gm9	0.27154	0.597855	1.575736	1.7632	1.97364	2.258936	3.894848	3.671351	3.54372	3.554506	3.897035	3.043532
Fbxl8	0.221911	0.274576	1.075187	1.209594	1.631295	1.678359	1.755272	1.469956	1.237675	0.806196	1.345594	0.974632
Ppm1h	0.674783	0.721009	0.701441	0.690641	0.860091	0.875377	1.106878	1.044925	1.391723	1.437552	1.1308	1.083062
Nrk	0.639278	0.875791	1.677748	1.582162	1.429942	1.187656	1.201114	1.054699	1.93858	2.195205	2.184332	1.703687
Gna12	10.70012	12.01821	13.55108	12.93997	14.5795	14.69062	18.1139	15.55834	26.03798	26.9301	23.794	21.58984
Fndc4	5.309522	4.621528	5.12732	5.965509	7.232815	7.751346	8.384735	7.545166	11.85661	10.2831	11.25974	12.40912
Pfkp	59.9987	56.55785	23.14136	23.04377	22.73867	20.26082	15.82258	17.12664	14.18895	16.34546	12.19725	11.08015
Krtcap3	4.274843	3.877969	2.43508	2.899152	1.997455	2.220071	1.991449	1.593826	1.44434	1.439416	1.785918	1.395281
Pgam2	1.491636	1.960912	3.539711	4.092008	3.429974	4.648411	4.882296	3.961385	2.698384	2.638291	1.585913	2.237795
Car12	1.269654	1.365224	0.594235	0.759256	0.975063	0.939282	1.070228	1.109877	1.440234	1.576313	0.882849	0.96431
Helb	21.29789	22.21597	17.20829	16.01295	14.46498	13.65743	12.88996	13.91399	8.89377	9.872484	7.639099	7.716392
Senp7	1.071541	1.206768	1.909248	1.944401	2.339026	2.131184	2.82828	2.908197	3.499576	4.033493	2.399695	2.410149
Prps2	35.46513	36.09564	33.27897	32.24968	28.83199	26.14671	27.34808	25.22638	22.8019	21.79281	13.94737	15.55232
Hist1h2ad	1.824145	2.152672	0.727365	1.19405	1.132898	1.617022	1.846529	2.024496	1.841998	2.359264	1.771826	1.137845
Slc37a1	4.344728	4.71891	3.819923	3.734244	2.649211	2.600183	2.392745	1.80258	1.952727	1.907815	2.041454	1.987178
Mfsd4	1.528102	2.204492	2.01799	2.281533	1.893045	2.0058	2.444157	2.337653	3.149674	3.51527	3.720616	4.153981
4921507P0	0.279525	0.285744	0.763658	0.962811	0.972886	1.114776	1.488486	1.754067	1.905502	1.993942	1.478243	1.515333
Top2b	22.50853	23.62941	26.94988	26.83598	33.81734	31.75012	37.76217	38.20579	53.79905	55.54451	47.82004	52.46614
Slc37a2	0.82862	0.919675	2.412283	2.279023	2.63491	2.807134	3.253958	2.7827	1.805079	1.604261	1.390588	1.356395
Fras1	0.184805	0.198721	0.397155	0.523001	0.675008	0.746124	1.015986	0.66539	1.03997	1.082264	0.719595	0.639491
Msl3l2	1.478496	1.493594	2.761903	2.336191	2.889268	2.576575	3.060229	3.788788	3.226705	2.474091	5.869582	4.833558
5031439GC	6.721441	7.270623	7.666316	7.031252	9.414381	9.105354	10.46112	10.48946	13.14406	13.62114	15.52562	14.54748
4933416C0	0.151706	0.111514	0.639242	0.643207	0.883602	0.817906	1.011078	1.330743	1.229805	1.082621	1.623979	1.236835
Hoxa10	0.235519	0.123301	2.294306	2.472805	3.905072	4.136458	4.127421	3.599539	2.88386	2.000775	1.846679	2.157179
Nlrp5-ps	0.909585	1.146979	2.227538	2.145364	1.745123	1.525231	1.204927	1.796194	1.439183	1.35536	1.216916	1.037747
Smim19	4.602345	4.161589	3.93686	4.213853	5.595109	4.447154	6.173503	5.91464	7.241685	7.077919	9.683664	8.710506
Mbp	1.08519	1.344528	1.378747	1.27422	1.38596	1.525529	2.009208	1.739075	2.51445	2.633086	1.862601	1.973612
Cf12	24.39951	19.94948	26.98513	27.05729	32.94887	33.6292	38.78066	36.32997	45.1794	44.06541	51.28499	55.8776



Snx19	3.399034	3.844818	5.656514	5.753865	7.20065	6.703129	8.307608	7.671621	8.285464	8.129574	12.82741	11.88198
Magee2	0.478107	0.494553	0.956203	1.095784	0.843428	1.018451	1.105038	1.092756	0.522689	0.559756	0.496972	0.530912
Gfra1	0.4652	0.590311	5.645252	5.627376	7.676717	7.925053	13.48818	11.61326	10.98004	10.0173	7.48907	7.927413
Kdelr3	25.54858	24.90119	7.916748	7.715002	9.916302	10.31919	11.2865	13.85463	16.08575	15.92121	11.68278	12.27676
Smarce1	36.78743	34.07888	36.47366	36.04028	41.78113	40.86011	50.09421	52.70104	69.7283	68.17592	75.18348	74.36123
H2-Q7	0.982168	0.7525	2.621628	2.474921	4.752495	4.578366	4.430747	4.565338	3.13218	3.41825	2.475834	2.219595
Rab6b	1.257717	1.511918	1.200878	1.264317	1.971632	1.805672	2.405353	1.900144	3.003405	2.607711	1.356132	1.453358
Klhl23	1.736013	1.69398	3.672422	3.817165	4.349359	4.316896	4.452299	3.887827	5.275607	4.895718	6.838968	7.869258
Topaz1	0.259599	0.302492	1.083518	1.014697	0.830838	0.839165	0.904907	0.867734	0.52448	0.618724	0.573431	0.492332
Fanci	18.87368	19.2646	19.88803	19.26947	16.60831	15.20223	14.90285	16.24469	12.56354	14.27471	8.611725	9.352026
Cox7c	435.061	282.8581	241.7373	259.1351	310.3722	354.0061	261.6869	251.4561	191.8123	172.8919	182.6969	171.8357
Mcf2l	4.167661	4.994784	2.901147	2.912291	2.917705	3.078577	3.058262	3.152218	2.103342	2.115257	1.331611	1.532128
Tdrd7	0.684017	0.485017	1.268766	1.343949	2.243932	2.122364	2.569881	2.762081	2.519552	2.411142	2.414964	2.59701
Dlc1	24.68322	30.88378	17.71915	17.99377	12.55419	12.3639	10.76121	9.64226	9.20929	9.722753	8.92108	8.758589
Hspg2	24.21714	33.29931	42.79068	40.76851	35.21673	32.12104	37.97548	26.87747	39.28328	38.17661	58.1836	55.19509
Il34	0.134514	0.199163	0.458087	0.452605	0.582307	0.58043	0.896586	0.782858	0.921642	0.692053	1.494691	0.929165
Rpl39	635.6662	423.1302	210.8574	300.7036	366.6708	476.8192	308.3887	293.2256	314.7854	282.1436	283.2011	232.264
Fam161a	0.852964	1.160395	1.870439	1.543022	1.720965	1.43995	1.37081	1.227171	1.094959	0.996858	0.755508	0.751743
Asnsd1	2.673498	2.199627	1.152126	1.891789	2.476993	2.474201	2.098006	1.842441	1.883664	2.091085	1.33772	1.205442
Nudt10	0.896509	0.91631	2.205875	2.31158	2.732588	3.005032	3.414063	3.115671	4.613247	3.927691	4.973785	4.743437
Robo1	3.980557	4.894582	3.837317	4.020594	4.495785	4.369245	5.869722	5.199192	8.25125	8.249228	7.598443	7.164414
Mapk1ip1	9.29938	10.36337	7.940532	8.324655	7.416556	7.418041	5.268854	5.973501	4.450014	4.935157	3.41666	4.057686
Aldh1b1	5.12822	4.728029	2.672169	2.662827	2.821789	2.131158	2.245662	1.549999	1.33728	1.298247	1.516401	1.736382
Gm14420	7.696095	7.721089	15.7066	14.82416	11.03634	12.13364	9.555371	10.03655	7.326353	8.24347	6.152384	7.231773
Cpsf4l	12.25206	12.17702	5.468856	4.886598	3.894572	3.754363	3.331042	3.101749	2.413487	2.384496	2.933856	2.582187
Slc12a5	0.442437	0.539155	1.577696	1.503646	1.574819	1.719266	1.589657	1.587133	0.965579	0.845999	0.868247	0.838945
Kif1b	8.38891	10.01923	14.51306	15.24134	17.77796	17.12143	20.54616	18.61768	24.70313	26.67293	28.88693	31.23402
Plscr3	3.699621	3.683533	4.241428	3.736854	5.778839	5.311288	6.036141	5.67117	8.555741	7.657309	6.719513	6.184709
2610305D1	70.63835	64.89143	54.21035	53.81317	43.56463	41.95946	33.44092	35.90012	28.11589	27.66298	24.49725	26.26199
Gm4984	2.243354	2.535842	3.04914	1.774638	1.788813	1.477731	2.028217	2.213168	1.428741	1.200366	1.059268	1.08026
Rnf144b	0.251396	0.179576	0.78578	0.719007	1.065439	0.930725	0.931289	0.891048	0.945634	0.793591	1.372608	1.472905
Zhx1	2.038103	2.054411	4.569576	4.264652	5.675412	5.274747	6.509809	7.013878	7.491369	7.661469	7.909658	8.735844
Mrc2	1.148098	1.406188	3.322764	3.507393	4.729879	4.789102	7.180161	7.036129	7.44676	7.182977	4.486401	4.335829
D17H6S53f	1.271013	1.325208	1.94735	1.572529	1.748179	1.906714	2.420603	2.494327	2.894375	2.825342	3.186085	3.220446
Ano6	6.492862	6.8761	7.364029	7.41956	8.077392	7.833669	10.03404	9.697499	12.64864	12.64288	13.80798	15.19298
Tm6sf1	0.984525	0.925712	1.172627	1.230808	1.755913	1.821856	1.995614	2.097299	2.217943	2.519662	1.494908	1.704965
Apbb1	6.056714	5.79406	8.909347	8.898267	13.90805	13.46573	15.71894	18.20619	16.05986	15.25266	14.06178	13.86846
Dgkz	20.19959	21.23662	39.30551	38.69385	57.99211	55.05664	77.30793	79.1648	78.21844	78.79553	63.3507	58.05126
Vangl2	6.466401	7.859498	9.008317	8.664217	9.812188	9.404104	10.94996	9.72808	18.56135	17.72503	15.54629	15.90468
Cacnb1	4.063742	4.031416	3.118075	2.985072	3.048696	3.460725	2.462108	2.732533	2.23114	1.972924	1.802344	1.692173
Serping1	4.64024	3.974003	7.323787	7.31929	8.659847	8.725796	13.91224	14.18207	15.49509	14.96662	13.64181	14.10336
Aut52	3.529124	4.748879	4.022078	4.250077	4.535949	4.501233	6.005024	5.098512	8.468579	8.152672	8.926867	8.690479
Mrpl24	47.75091	45.89319	47.87049	46.54444	42.1187	40.38942	35.06968	40.3568	28.36513	27.19674	21.31928	22.77133
Krt17	2.063979	2.000231	0.845157	0.447502	0.364033	0.331143	0.334058	0.45326	0.353161	0.314402	0.870885	0.642309
Rhox13	4.666745	3.982961	8.382159	8.2037	13.19465	12.58386	13.39248	16.74589	12.30417	11.72173	14.47682	13.27494
Tle3	10.04841	12.97623	10.12887	10.2007	10.65468	10.27639	13.88386	12.66355	21.09396	19.74907	22.93924	20.81671
Mpv17l	4.702243	4.454586	4.035162	3.635879	3.632057	3.603578	2.855091	2.913073	2.584478	2.767754	1.636814	1.782383
Lrrc73	0.277605	0.263785	0.364997	0.602525	0.495724	0.823319	0.870694	0.982042	0.7002	0.567187	1.704664	1.156836
Mlit3	2.199126	2.264338	2.882651	3.147191	3.78305	3.588695	4.377333	4.332252	6.249906	6.416977	3.554599	3.782377
Kcnk6	1.118957	1.311963	3.277694	3.395861	4.879291	5.016096	5.767539	5.169249	3.649595	3.567925	2.503802	2.53624
Shc2	3.753389	4.138136	4.59539	4.485934	5.403018	5.274953	6.297431	6.268695	7.506699	7.319579	9.067619	9.141623
Narf	6.867209	6.095531	5.74396	6.030533	7.198425	6.440551	6.709456	7.09138	6.072708	7.093212	3.425987	3.483346
Nova1	1.759179	1.961204	2.329047	2.11616	2.931152	2.796174	3.075975	2.778549	4.499584	4.242763	3.660734	4.306651
Aldh1l2	0.451673	0.583416	1.07933	1.135191	0.851895	0.774023	0.590213	0.684305	0.580984	0.557808	0.833839	0.983414
Slc17a9	7.0947	7.602162	1.273236	0.908612	0.973687	0.596119	0.973845	1.009445	0.928792	1.21291	0.701287	0.767673
Aldh1l1	2.355956	2.258811	1.30336	1.156733	1.412983	1.030901	1.090057	1.29095	0.829743	1.075404	0.812495	0.634624
Atxn7	1.290024	1.330116	2.167549	2.107465	2.423439	2.337343	2.596741	2.416253	2.854845	2.956714	4.297436	4.286232
Rcan2	0.52716	0.442707	0.755478	0.864951	1.426436	1.265622	2.028432	1.742012	1.682781	1.758259	1.453955	1.262557
Rab11fip2	1.301075	1.576711	1.921594	2.077129	2.264477	2.338253	2.541595	2.481867	3.630674	3.382692	3.770524	4.221805
Fbxl17	1.93633	2.214965	1.93712	2.072284	2.538293	2.646585	3.375135	2.845332	3.63388	3.240416	4.128257	4.211549
Pim3	69.47344	69.75841	61.86788	54.7481	43.25489	42.84775	36.07666	36.30795	26.7431	26.93914	36.00797	34.52396

Sh3bp5	1.037032	1.081441	2.280734	2.786403	3.683583	3.28323	3.997133	3.701871	5.25298	5.045793	5.44614	5.660682
E330009J0	3.235949	3.673895	4.302709	4.658659	5.328452	5.418778	6.752515	5.728045	8.132222	8.977935	4.082534	4.420151
Folr2	0.989638	1.061525	2.676638	2.793243	2.146765	2.163193	2.337679	1.867734	1.831848	1.376004	1.6128	1.383849
Clip1	4.684849	5.192401	7.079657	7.148856	8.781425	8.993768	10.6625	9.819698	13.90489	14.30471	13.98943	14.51094
Mov10	32.3511	41.34388	23.67566	22.00098	18.79616	18.21503	19.60177	17.10561	15.83626	15.89663	11.68369	10.83934
Zfyve9	3.861692	3.933925	4.809009	4.891527	6.007331	5.665465	6.293762	6.610299	8.430615	9.256726	9.044645	9.927204
Prr5	10.50299	11.64861	11.75664	9.984684	11.93012	12.49702	13.39076	12.01129	18.72825	16.70845	21.48783	20.26245
P2rx7	1.138775	1.320003	2.484222	2.371709	1.623978	1.598427	1.65299	1.851516	1.940015	1.834884	2.997469	3.242895
Klh134	0.249989	0.281206	0.928583	0.79978	0.864178	0.864611	1.346799	0.847725	1.028301	1.535538	1.327493	1.622331
Cd74	2.007758	1.080053	1.912241	1.602337	1.930538	1.990233	2.392289	3.091234	2.078459	1.691247	4.330532	3.249829
Pgbd5	2.446484	2.460256	5.0825	4.363553	6.539708	7.332639	6.901794	6.138396	3.532843	3.615619	4.695111	3.628569
Hykk	1.101033	1.651624	2.217364	2.26787	2.096817	1.782071	1.8878	1.586694	1.496273	1.560124	1.143325	1.119125
Arl4a	11.84094	9.844555	5.500789	5.662438	4.88884	5.082476	4.693924	5.036783	6.788861	6.808945	9.51681	10.20382
Rsph3b	0.94787	0.941254	1.473777	1.305554	1.683517	2.312091	2.194974	2.148801	2.252183	2.188625	2.625105	2.643056
Fam212b	0.725559	0.641132	1.20287	1.533893	1.426665	1.714942	2.305882	2.302978	1.948901	1.753281	3.355424	3.103899
Impad1	15.49298	17.55503	18.5744	17.75296	20.90398	20.55246	24.6948	20.80833	33.65304	35.6389	34.08245	35.91972
Zfand3	16.95834	16.19254	23.46612	23.35055	28.92274	28.77271	34.31369	35.09657	41.20295	40.75456	49.94288	47.23357
Reep2	2.384264	2.544168	3.074303	3.44627	4.714959	4.939172	5.816168	6.18081	7.509812	5.459961	6.538049	6.970187
Syngr3	2.431594	2.171304	1.332011	1.430556	1.936968	1.640905	1.678326	2.122733	1.141187	1.346728	1.062729	1.049696
Mapkapk3	13.89521	14.989	8.705775	8.093751	8.010991	7.383566	7.367723	7.025665	4.648993	4.004913	4.515241	4.604752
Prob1	0.280678	0.263884	0.465948	0.578752	0.696381	0.645543	0.917565	1.083023	1.143022	1.169511	1.096514	1.062179
Ppp3cc	3.410988	2.610195	4.340564	4.062267	5.750418	5.74019	6.246926	8.011674	8.686648	8.036942	6.86606	8.207902
Galnt12	1.267063	1.258349	2.03921	1.926788	3.141946	2.689616	2.993963	3.891935	3.043084	2.726522	2.174473	2.073824
Ccnj1	1.526015	2.050088	2.771982	2.977088	4.071148	4.190386	5.252221	4.332399	6.335015	6.013412	5.362942	5.073058
Nrg2	0.671716	0.826076	1.4425	1.203181	1.295342	1.125138	1.604333	1.327458	1.508924	1.750993	1.9476	2.272522
Wbscr27	5.972367	5.620078	4.860258	4.974754	5.774762	5.878204	5.450972	6.342412	4.406799	5.09061	2.701053	3.140876
Sorbs3	1.81448	1.955989	2.146059	2.557432	3.227148	3.612593	4.343837	3.731354	5.701268	5.163777	5.321715	5.021818
Ifitm1	85.79429	78.94554	16.45208	15.78527	12.10324	9.721544	8.669611	9.139614	20.0422	18.45252	17.6379	16.38796
Hmgm5	28.01158	26.6138	25.1165	24.24744	25.5794	23.71814	19.47424	26.43847	19.91337	18.99975	11.74645	13.09933
Nmrk1	3.947648	3.913085	3.249628	3.601289	3.706522	3.850444	3.528879	3.708709	2.950428	2.991986	1.937083	1.907817
Tmem28	2.559018	2.745436	2.653247	2.638702	2.586296	2.208702	1.777776	1.462723	1.915866	1.712947	1.241559	1.307641
Bai2	1.977443	2.370025	3.338145	3.260588	3.912723	3.626341	4.002382	3.861776	2.844752	2.731441	2.170476	1.913764
Aff1	7.058768	9.879811	9.118844	8.952678	8.609192	7.899158	11.65614	9.285574	13.38575	13.22385	16.66709	15.92646
5730508B0	1.33054	1.114874	2.048993	2.100061	2.715372	2.704973	2.158209	2.105072	1.579116	1.341722	1.546405	2.053696
Tomm5	181.7327	135.4743	98.48756	100.8556	92.49208	97.30614	69.98098	71.25322	58.72207	50.0283	57.48471	55.39809
Mafk	2.734365	3.109559	3.209876	3.2246	2.587643	2.696485	2.820782	2.860149	3.278032	2.658172	5.640046	5.356482
Ptplad2	0.340557	0.337694	0.723232	0.68453	0.744975	0.812505	1.060045	1.011448	1.135577	1.378625	1.003434	1.258905
Slc9b1	12.28369	13.24442	11.26683	10.37947	8.503623	8.358437	7.482655	8.568672	5.425463	5.15405	6.300919	6.530136
Nfkbid	4.130133	4.425463	2.527618	2.242618	1.651421	2.138863	1.469955	2.183606	1.598297	1.11411	1.301935	1.329156
Ubtfl1	0.084065	0.112693	0.713165	0.60883	0.779167	0.764393	1.048026	1.225399	1.149549	1.186854	0.980551	0.829089
Caskin1	0.388992	0.404719	1.3931	1.233733	1.925379	2.281527	2.41388	2.483075	2.02974	1.891692	1.60779	1.735653
Ppp1r18	8.956212	8.917953	19.28751	18.50667	18.09555	18.80755	15.80659	14.73574	10.11211	9.347753	18.20701	17.26082
Tmem43	10.39563	11.80377	12.77024	12.78589	15.50198	14.41619	17.43053	15.71397	20.56123	19.33236	23.79625	25.72233
Sall3	1.039594	1.194698	1.945722	1.930642	2.015617	2.000992	2.896435	2.59314	4.469548	3.88089	3.746811	3.883813
Fbxo44	3.515273	3.825598	1.692091	1.686604	1.299004	1.20558	1.156432	0.999353	0.701676	0.838867	1.212869	0.908131
Specc1	2.731793	2.872957	4.759681	5.111401	5.999082	5.331472	6.278516	6.479069	7.789343	8.261471	10.4678	10.27227
Tmem38b	7.458748	7.473744	8.100487	7.98286	7.613634	6.97047	6.593246	6.370125	4.964155	5.08728	3.676254	3.974275
Rnpepl1	4.204187	5.091103	6.775954	7.427708	9.373256	8.785329	10.6607	10.3442	12.94299	12.9015	16.09925	14.91775
Tmem198	0.36856	0.517345	0.78627	0.709528	0.728994	0.833936	0.530393	0.553398	0.732375	0.509296	1.11651	1.022719
H2bfm	0.267963	0.182485	0.690897	0.976197	0.863851	1.540892	2.210796	1.96022	1.346768	1.258726	1.136041	1.03297
Elf1	2.099315	2.600384	3.483487	3.16414	3.776626	3.385155	4.971338	4.378855	4.833475	5.188971	6.349377	6.353189
Bmpr2	2.88948	3.580067	4.137459	4.552196	5.300211	4.986741	5.995044	5.075845	8.287927	9.137552	8.013139	8.787879
Fgfr2	7.226449	7.331487	13.14807	13.17856	17.24592	17.59498	20.35897	19.12143	26.69136	26.43954	24.6669	25.49498
Art5	0.494503	0.542865	0.888407	0.94138	1.457759	1.210952	2.01962	1.887816	1.50901	1.789075	1.011138	0.965467
Gnaz	1.261178	1.476329	1.99757	2.103264	2.896687	2.354216	2.658847	3.04989	2.208584	2.456518	1.812289	1.521099
Txlng	18.41397	18.43323	13.42579	13.56223	11.46876	11.66023	10.11868	10.4342	9.786578	10.41423	6.362901	6.764387
Nfil3	2.039485	1.972552	3.329717	2.831943	3.890497	4.400888	5.530393	4.603431	6.11071	5.677697	5.380289	5.516384
Rmnd5b	24.47306	26.37833	21.67028	20.92651	17.41879	16.35659	13.96531	15.07646	11.48208	10.43902	13.40764	12.02172
Tomm7	49.35032	34.91448	36.46529	36.04695	37.388	39.92887	32.14334	25.91229	21.95665	19.91906	25.79138	25.37831
Nr2f6	5.305668	5.487604	10.56969	10.04727	8.29617	8.821508	8.243704	8.304223	9.599317	8.487594	19.87357	16.64277
C77370	4.253176	4.550421	3.150542	3.314942	2.498227	2.372465	1.830899	2.017458	1.6615	1.654205	1.854929	1.797534

Fndc3b	3.282934	3.603883	5.542973	6.034041	6.786969	6.728147	8.181807	7.103347	10.23026	10.62876	12.65168	12.08968
Mertk	0.914214	1.19852	2.079409	2.044623	2.227773	1.844625	1.685697	1.68861	1.144908	1.020607	0.957869	1.103652
Ppp1r26	1.05984	1.163626	1.821815	1.784586	1.878881	1.75202	1.787931	1.81775	2.441925	2.156698	3.146385	3.506382
Sccpdh	5.522324	4.4918	6.121358	5.848853	8.007295	7.965673	8.242631	8.818015	9.075918	9.223873	11.3831	11.70536
Spink2	0.533096	0.98085	0.755784	0.731249	1.504632	1.286659	1.375244	0.728882	1.359627	1.458282	0.56175	1.061455
Bnc2	6.652699	8.293086	3.174201	3.085388	2.001806	2.122501	1.915597	1.542203	1.715024	1.817226	1.576397	1.648369
Slc2a8	9.131454	8.634182	8.548993	8.31463	8.597034	8.244936	8.166631	8.24843	6.759405	6.498747	4.514417	4.156944
Ptpn14	5.391628	6.303636	8.669028	9.328848	10.42245	10.40071	13.47548	10.16763	13.15485	13.53956	17.72682	18.6534
Zdhhc15	3.010978	3.529213	3.204699	3.34788	4.021863	3.825948	5.483592	5.453223	6.414627	6.69072	5.721508	6.470267
Tsply4	0.654628	0.649539	1.928668	2.002696	2.336112	2.547269	2.485459	2.573522	1.998144	1.692499	3.270329	3.38056
Tmem246	1.71426	1.632745	1.963857	1.831235	2.855748	2.635289	3.616078	3.24573	3.604637	3.65746	2.686702	3.195962
Mybl2	167.0972	182.1569	99.04533	90.34235	64.90644	59.88326	51.75787	51.96329	51.16527	52.20688	47.08299	45.24122
Zfp579	1.061426	1.438796	2.133134	1.845606	2.022402	2.051073	2.02426	1.901798	2.488774	2.409126	3.52148	3.685008
2410004NC	51.73941	39.56089	30.59345	35.24861	28.71922	39.72524	23.44114	29.86415	24.67496	19.89742	22.91184	24.51706
4930519F1	2.020084	1.913895	0.581112	0.678874	0.410083	0.495919	0.292787	0.340439	0.284341	0.378225	0.271846	0.348762
A2m	7.209033	5.832861	1.266541	1.196854	1.673303	1.63267	2.279461	2.37848	2.316245	2.385512	1.773569	1.706553
Apod	1.20478	0.989755	0.989668	0.853862	0.766923	0.937182	1.007388	0.926495	0.591008	0.470239	0.527705	0.517873
Notch1	4.180665	6.297547	6.733744	6.93609	6.207537	6.219301	7.860799	6.159703	11.36128	11.19058	12.48947	12.27369
Slc16a2	0.995347	1.063484	4.621727	4.766489	4.997428	4.89205	5.996623	5.294371	3.396168	3.411501	2.244116	2.659155
D630045J1	1.096511	1.614328	2.283986	2.423402	2.905789	2.78628	3.179408	2.679218	4.279068	4.824656	4.072823	4.014319
Zbtb39	4.016496	4.413153	5.800333	5.99362	6.384259	6.21433	7.454699	6.660392	10.77684	10.86858	11.81202	11.93179
Nek8	6.066923	5.962656	6.318852	5.642435	6.041486	6.053981	4.978082	5.415247	3.558891	3.628892	3.022204	3.042268
Fndc5	1.094012	1.126162	2.424563	2.634333	4.547324	4.027468	4.801112	5.241379	5.027845	5.146076	5.136147	5.11575
Cyp27a1	1.652312	1.793276	2.307164	2.739566	3.968942	3.285843	3.363327	3.765221	2.922079	2.785926	1.709212	1.892467
Pbx3	5.305252	5.384187	7.443619	7.484399	9.253543	9.447823	11.60555	11.06903	14.58411	14.8882	11.93783	12.49037
Usp29	0.679036	0.557545	1.443005	1.336618	1.127712	1.035171	0.912989	1.059448	0.89052	1.172671	0.450185	0.672067
Prex2	3.343966	4.238849	9.736384	10.43274	8.649541	8.500476	9.305095	8.056407	6.746159	6.808626	5.492985	5.246101
Lgals1	39.27245	35.25851	48.91892	47.62038	65.82303	67.04897	76.40838	70.18347	69.52497	62.3248	114.1384	94.69171
Smtn	5.652071	6.911552	7.635645	6.934903	7.381718	7.037194	7.530137	8.138762	6.675481	6.464942	14.14027	12.85259
Snx1	20.59198	18.09582	21.31637	21.11916	28.32414	26.93162	34.47194	38.04984	41.95861	41.97001	38.01398	39.69095
Cdc42ep4	18.95377	19.59421	8.39991	7.711337	11.29463	10.34737	14.26674	13.10352	15.79866	15.32298	11.46302	10.96297
Fah	15.33947	15.15807	9.188374	9.277892	9.689752	10.02979	9.274913	8.289417	7.461438	7.569227	5.052908	5.047645
Traf3	3.464399	3.820803	5.95926	5.904415	6.970597	6.604328	7.280751	6.897295	8.448368	8.582826	12.01389	11.72857
Osbpl10	8.882307	8.764687	6.580001	7.063924	6.124249	6.29443	6.320921	6.184558	4.490133	4.807231	3.515792	3.558757
Rnf125	10.38291	10.63457	5.501145	4.546116	2.824195	2.99859	2.108343	2.42416	2.860477	2.291301	2.664446	2.853411
Nxt2	18.09084	16.88486	16.99438	16.86143	17.06333	16.80538	16.20434	16.65647	11.53612	11.7405	7.041529	8.502726
Mgat5	1.545312	2.230484	2.923017	2.788582	3.086833	2.910566	3.413013	3.111139	5.149366	5.525813	4.363044	4.654345
Sh3bp5l	5.8724	5.322102	7.392129	7.16146	7.651258	7.095903	7.996652	7.91371	7.554301	7.277313	13.19423	14.06046
Pvt1	4.796286	5.113494	3.179493	2.720594	1.770695	2.207575	1.759254	2.019281	1.429811	1.374879	1.664994	1.694271
Sik2	2.753442	3.392817	4.232705	4.568738	4.466994	4.296571	4.746607	4.233663	4.275972	4.691017	7.395197	8.37565
Zfp52	2.252293	2.309435	1.718868	2.264201	1.629322	1.617541	1.32706	2.068616	1.596407	1.398973	0.97614	1.144549
Atg4d	8.976152	9.279504	18.09913	16.76786	14.72102	14.70558	13.12855	13.02171	8.282319	8.478228	9.468825	9.538951
Ttc39c	1.09882	1.017407	1.835022	2.235862	3.049389	2.448435	3.251806	3.901978	3.776959	4.421715	2.923218	2.944163
Arsa	4.646243	5.303136	4.423386	3.943997	4.32413	4.280421	4.149835	3.878748	3.98979	3.764719	2.144263	2.165743
Ier5l	8.889341	9.329378	48.22367	42.57545	63.35339	64.05184	58.16536	56.52699	38.23274	32.43437	47.67957	41.07519
Gramd3	3.413119	3.777987	4.122954	4.161261	5.992487	5.559061	7.162078	7.826174	8.138658	8.215847	6.181835	6.805629
Aqp3	15.78442	17.1735	133.6292	126.2885	121.045	111.8311	99.18146	109.4008	77.17673	76.88346	74.71186	64.03181
Shank2	0.186141	0.218245	0.69767	0.923861	1.161168	1.268328	1.524382	1.110669	0.762765	0.782023	0.543372	0.643539
Abcc4	18.65778	23.11464	16.23599	16.05655	13.28859	13.94688	13.57619	12.41008	11.40356	11.43002	8.106731	8.147459
Slc16a14	0.308173	0.36246	1.3432	1.269625	1.267308	1.346822	1.200551	0.920682	0.681577	0.683608	0.922895	1.095416
Man2a2	3.953339	4.522061	5.726548	5.583818	6.487247	6.080528	7.517306	7.652646	10.27866	11.0005	7.896379	7.759134
Ddit4l	4.085005	3.818025	4.702146	4.413925	6.939383	6.546077	8.408881	8.695033	6.531388	6.394713	8.307386	8.207429
Tmcc2	2.441922	2.815169	4.702046	4.564977	6.510049	6.1256	6.673247	6.777234	8.015003	8.558241	9.7143	8.98883
Acyp1	12.63847	9.657596	10.44546	10.53274	10.48961	10.56041	10.7603	8.672006	7.079285	6.815472	5.894086	5.36381
Zscan29	1.95152	2.249255	2.601256	2.389269	2.87181	2.933892	3.286606	3.594499	4.389564	4.701954	4.841835	4.446748
Marveld1	6.710929	6.917418	13.4743	12.26895	17.31613	17.14423	23.41546	22.75332	15.91769	15.6778	12.29183	11.57056
Ogdhl	38.67236	41.85694	35.68808	33.48615	29.65749	29.83569	28.84678	27.82946	24.70731	24.28219	18.0435	17.04282
Fhdc1	0.527823	0.619639	0.796853	0.767842	1.214613	1.238172	1.268044	1.283721	1.699857	1.507886	1.239014	1.214954
Serpinh1	40.53859	38.02048	87.1347	91.05936	129.4447	123.6694	168.1827	160.3399	187.4968	178.7844	188.6462	177.8795
Rhof	0.701793	0.806543	1.19887	1.10996	1.478506	1.493353	1.797677	1.861187	1.098546	1.141681	1.076562	0.948051
Manba	44.5134	44.22542	21.08232	19.03555	11.55466	10.18278	9.298002	10.73798	9.383713	9.698237	9.270192	10.00993

Etv5	96.99145	106.6268	45.71402	43.51586	35.29078	34.4039	35.49812	29.86524	28.41935	27.57565	22.42499	22.18227
Smyd2	24.9461	22.49655	54.45393	55.24267	48.80788	48.5491	42.5867	45.11095	29.86501	28.1635	30.44617	30.94884
Nanos3	2.761395	2.200902	1.176666	1.763004	0.967571	1.594685	1.45104	0.898821	1.16691	1.183923	1.585704	1.718705
Actb	631.7439	820.0361	899.7038	809.3032	761.3373	679.7096	798.3019	659.874	786.791	745.8954	1326.009	1293.541
Gabrp	1.720668	1.933514	0.97279	0.91964	0.982222	0.760389	0.853006	0.743015	0.653477	0.734277	0.485936	0.469759
Gramd4	4.522551	4.57711	5.414307	5.400648	6.799373	6.695528	7.204914	8.156667	10.05087	10.5691	9.531932	9.133053
Prkch	0.581029	0.499966	2.248064	1.885168	2.737985	2.423354	3.645794	3.688552	3.638829	3.640841	4.551483	3.65585
Pik3c2a	6.88356	8.097085	9.707279	10.23071	10.37509	10.00591	11.40597	10.98538	14.63825	16.15028	16.86276	19.5758
Dcaf12l1	5.169683	5.714301	15.03119	14.56812	12.62518	12.01165	13.10291	12.28775	7.399476	7.449305	10.54745	9.487585
Atp5l	222.5132	165.2597	149.4042	139.4181	151.2318	159.5988	126.2244	135.7403	96.76124	81.62093	96.64169	97.55374
Ccnj	3.723486	3.768963	5.372943	5.821089	5.869539	5.616428	5.765904	5.841512	8.733548	8.823241	10.06942	10.98173
Atf7ip2	7.621632	8.151133	8.495825	8.01112	6.437969	6.240212	5.514066	5.820427	4.102892	4.653825	3.794102	4.101738
Dynll2	42.62671	43.30665	74.72411	67.88564	83.70609	81.21824	95.29644	80.97634	86.56608	75.46453	146.1571	132.5856
Foxd3	14.70307	13.04496	1.146412	0.839179	0.467606	0.514033	0.858218	0.64533	0.979626	1.003917	1.288042	0.83691
Msrb2	8.930811	9.438582	5.127181	4.510465	4.549736	4.444442	4.425614	4.506451	2.887108	2.751388	2.316062	2.310002
Pex2	6.739032	5.802273	9.877141	9.10666	10.94899	11.80675	12.01701	13.51722	15.5174	14.83663	16.67175	17.77768
Bicc1	0.738294	0.776709	1.67501	1.670092	2.139841	2.298013	3.009437	2.735568	3.56606	3.257463	2.6887	2.535564
Ifrd2	48.68381	49.5258	48.02078	46.62306	40.52911	41.23719	34.9325	34.6059	30.30919	27.48139	23.96055	23.91493
Zfp385a	10.90169	13.11137	18.04321	17.62381	23.71806	21.40487	30.03641	24.44617	38.07449	32.12409	36.00348	34.3563
Aig1	0.921827	1.060971	2.059723	2.05656	2.360375	2.374739	2.981804	2.295618	3.432238	3.055328	4.356071	4.007226
Tmem164	5.331387	5.863532	7.93331	8.448676	11.3835	11.03871	14.52379	13.78919	15.18442	16.44886	10.08822	9.964999
Cblb	3.364603	4.232235	4.225455	4.429631	5.297823	5.122518	6.233715	5.188512	8.169504	8.623626	6.583434	6.258653
Tmx4	1.7117	1.770396	2.478261	2.548921	2.919902	3.125199	3.834259	3.048752	4.3334	4.291299	4.469867	4.960151
Gnpda1	62.95737	63.67121	43.52723	39.95059	33.66958	33.26762	30.75219	28.84916	24.51449	23.79837	21.12943	20.53153
Ndufb3	49.76591	40.55351	42.0055	42.23183	43.99739	45.90347	39.56986	37.53053	25.10987	23.59578	25.35569	25.57446
Lrp12	2.95312	2.936267	4.138328	4.033749	4.905154	4.729301	6.002873	5.234449	8.14222	7.845296	7.681774	7.776885
Amotl1	3.781866	4.531856	8.147624	8.043843	9.521336	9.026929	10.54287	9.842246	13.37188	14.25764	15.20174	15.64045
Ubqln2	21.03266	24.61091	25.71872	25.01499	29.26254	26.02398	34.70437	31.12793	49.17831	47.08061	51.40797	48.63333
Agtrap	22.04933	21.9699	21.84025	20.34337	19.28777	18.19628	17.84172	15.75138	11.8827	11.47335	10.72263	10.46444
Mgat1	5.09118	5.48985	5.787546	5.921153	6.399365	6.589244	7.682782	8.314409	9.905055	9.366411	12.45142	11.50746
Amhr2	3.098226	3.121333	1.78499	1.817002	2.036867	2.093677	1.820765	2.17649	1.18362	1.186509	0.812044	1.120078
2210016L2	14.11142	13.52667	14.29048	14.37545	15.154	14.00369	13.25647	14.20215	9.791805	9.249189	7.046571	7.398184
Hal	0.764815	0.713958	2.918053	2.758024	2.783895	2.8262	2.479288	3.101563	1.572356	1.597292	1.709793	1.785572
Fig4	28.91231	27.22247	28.74922	27.5687	25.59401	25.0795	24.79253	24.97759	18.58177	19.82786	13.98087	14.19795
Phf20l1	5.359382	5.070541	6.294611	6.161311	6.63505	6.603147	6.366744	6.478479	8.253366	8.180331	10.86688	11.95996
Ager	2.638836	0.685875	1.200919	1.511548	1.997134	2.711483	1.938895	2.848	1.885825	1.634681	1.290621	1.46729
Acbd6	24.79033	22.83581	45.27439	41.21577	47.11372	50.56856	54.62555	54.61528	32.0674	28.13818	33.60326	30.92904
Slc35f2	17.60723	15.94811	18.35623	17.22529	13.15513	12.95393	10.55467	11.38826	8.680887	8.877856	9.635354	9.424491
Hltf	22.2708	22.9294	16.86695	16.82727	14.96334	14.172	13.09793	14.40536	11.2953	12.50074	8.259027	8.681486
Metrn	0.65106	0.758257	1.671681	1.752577	2.128852	2.407562	2.541854	2.75082	3.029467	2.780651	4.364245	3.396716
Ubr7	82.5232	76.73848	63.65287	61.18056	56.33849	56.55145	47.42344	48.6569	35.49714	36.1226	31.31916	31.57259
Ankzf1	7.682154	7.411321	6.482023	5.858903	5.701334	5.647109	4.772779	4.952098	4.088545	4.289154	3.043933	3.023619
Lpgat1	6.659569	7.393318	9.733645	10.02403	11.95111	11.67788	15.70974	12.98516	16.87424	16.5071	18.84899	19.4219
Stxbp4	2.973893	3.295751	4.359385	4.549411	5.256397	5.138104	6.422945	5.912223	7.827943	7.956413	4.491722	4.106491
Atp7a	4.578354	5.394592	6.172908	6.185596	6.608379	6.344008	8.413705	7.211793	11.14183	11.98428	10.01821	10.15779
Pou4f1	1.301779	1.351566	1.934345	1.971718	2.410741	2.157082	2.464536	2.593769	3.128672	3.016395	3.743417	3.81851
Elk4	2.694581	3.290544	3.262781	3.294591	3.117303	3.463336	3.505945	3.139979	4.906996	5.702944	5.602381	6.077856
Zcchc12	0.338997	0.228814	0.614108	0.718181	1.008532	1.096051	1.382374	1.365268	0.895565	1.120629	1.088477	1.390107
Ppp2r3a	1.956487	2.222575	2.633672	2.60771	3.235757	2.964594	3.289179	3.418687	4.397114	4.881905	4.966761	5.04695
Ino80d	4.538863	6.578001	10.751	11.14099	7.862286	7.716373	7.223766	5.757712	6.716835	7.143668	8.929185	9.318012
Zkscan2	0.80666	0.878402	1.161079	1.191806	1.197641	1.33773	1.358711	1.330372	2.032583	2.305916	1.506814	1.623334
Ptar1	2.776422	3.514936	5.016731	6.109293	4.914454	4.610045	5.889406	4.927402	5.764616	5.939876	7.986001	8.915073
Hist1h2bg	7.433294	6.024249	1.671201	2.730977	4.145218	5.280344	2.359561	4.32317	2.618361	2.767905	2.240894	2.877713
Prtg	8.498656	11.23219	32.72901	36.96143	54.1625	52.24324	74.11601	53.32745	71.12327	71.45941	57.32638	60.7568
Setd4	5.585395	5.77907	5.539932	5.378646	4.879456	4.053506	3.21288	3.653377	2.491802	2.782845	2.611189	2.801901
Barx1	0.259127	0.271806	0.434211	0.827002	1.309733	1.345166	1.74667	1.57452	1.71342	1.431098	1.439	1.598121
C1ql4	0.668294	0.461946	1.304718	1.02625	2.164571	1.982679	1.876694	1.823205	1.72269	1.859817	1.468847	1.458705
Dcaf4	31.80444	32.29569	30.44229	28.46099	25.25574	23.41339	22.45876	22.54395	20.0472	19.25221	16.03331	14.73358
Pir	11.72105	10.70475	7.869844	6.715441	7.44937	7.795133	6.787529	6.608018	4.827779	4.61745	3.828822	4.03566
Upk3bl	1.223323	1.079941	0.613334	0.649557	0.306651	0.559312	0.314109	0.376947	0.298923	0.357872	0.187171	0.336414
Dennd5b	2.224527	2.96737	3.594461	3.875918	4.543975	4.494692	6.116952	5.224934	6.97642	7.482947	5.429049	5.490289

Vangl1	16.37846	16.77118	7.475328	7.60154	7.483237	7.253147	9.997734	9.735941	14.40068	13.70611	14.16477	14.0028
Rdh10	1.433275	1.527277	2.270488	1.794274	2.067217	2.118102	2.229355	1.907609	2.019696	2.182862	3.783154	3.463588
Bst2	84.43289	74.11324	42.00644	36.82557	39.6188	37.77056	36.15933	38.95367	27.82511	25.1735	22.62873	20.18698
Poc1b	5.191669	5.127253	6.171226	5.611204	7.864778	7.184709	8.606562	8.221104	10.97747	10.82555	9.761348	9.90475
Fxyd6	40.95341	37.67609	12.77429	11.93921	13.86631	12.93119	13.77566	14.5233	21.01789	21.6415	20.42853	23.03252
Pnlcd1	13.78391	14.69755	12.67628	12.97046	9.103253	9.09108	7.48594	8.074792	6.811868	6.729651	8.463079	9.237868
Apccd1	1.418931	1.476484	2.167224	2.301824	2.675886	2.932976	3.584511	3.466055	4.834308	4.436154	4.601066	3.871246
Maged1	63.16981	61.92399	94.61384	92.38701	132.5932	128.3515	156.2771	176.5804	177.0627	178.0138	153.5306	152.1874
Cdhr1	1.387315	1.507752	0.379924	0.2356	0.224885	0.213721	0.206796	0.326752	0.296621	0.229879	0.387233	0.411694
Actn2	1.345647	1.483152	2.560124	2.484566	2.440813	2.569658	2.56078	2.722118	3.719871	4.242774	4.566972	4.784542
Zkscan1	2.745124	3.471794	2.998869	3.506227	3.276322	3.451458	3.976153	3.630909	5.991327	6.643717	5.563852	5.677106
Dzip1	3.582585	3.922738	4.412867	4.51943	5.570591	5.475191	6.606085	7.23529	8.640511	8.696409	7.848163	8.195678
Hspbpap1	16.60462	17.39146	13.37323	12.4269	9.522127	8.988574	7.805494	7.872446	7.522167	7.279548	6.251669	6.46131
Rbm43	2.535051	2.885679	1.864249	1.878154	1.816994	1.684472	1.55797	1.646802	1.151133	1.130411	2.193452	2.172104
Mcarn	26.69216	25.57369	12.22456	12.35299	12.67735	12.8517	13.80871	14.73906	7.400296	7.672442	10.77308	10.96345
Snhg4	35.34071	33.27638	26.89957	28.2215	24.93745	26.23925	17.57277	20.00569	19.37737	18.46676	13.14023	14.69723
Sync	0.337425	0.643911	0.898315	0.62704	0.976247	0.782667	0.864362	0.905158	1.075585	0.997914	1.039639	1.20397
Al314180	7.661435	8.24526	11.81654	12.00728	13.47455	13.61624	15.79478	14.42269	20.75997	21.99537	21.27615	23.03698
Glt1d1	13.48073	13.19853	9.648291	9.52713	8.308089	7.849924	6.552702	6.930221	5.524583	5.720357	5.311356	4.966673
Prr24	1.571832	1.449082	2.960384	2.633511	3.356415	3.372779	3.45069	2.87511	2.537468	1.971623	3.967593	3.781298
Iqgap3	8.303534	10.03581	22.4379	20.86398	15.95003	16.04197	13.95543	12.9223	10.24973	10.87955	12.08164	12.25815
Gnmt	1.617268	1.366845	1.254147	1.454101	1.26493	1.241898	1.239048	0.81508	1.106208	0.758442	0.43203	0.792864
Zfp12	2.913065	2.914671	3.789619	3.590477	3.905066	3.784097	4.637858	4.459717	6.303707	6.527639	6.698011	6.882509
Tmem127	5.664472	5.595618	6.809882	6.938418	8.068121	7.863237	9.360768	9.225345	10.48219	10.56964	13.1099	13.29929
Fggy	3.64739	3.386089	3.285225	3.315882	3.654117	3.199542	2.817932	3.132703	2.338168	2.189185	1.82482	1.73021
Rab25	2.386579	1.988779	0.85179	0.951822	0.968208	0.568827	0.518016	0.693685	0.660875	0.652773	0.525382	0.496715
Gm3264	0.665387	0.548564	1.150289	1.146572	1.073502	0.908286	0.732944	0.797059	1.269518	1.114714	1.565263	1.525077
Man2a1	8.223655	10.00093	36.84783	36.63623	38.41259	38.09047	43.83947	39.85479	29.72854	31.61917	21.32048	20.83757
Chd3	3.442815	3.807473	5.757315	5.660088	7.97242	7.463295	10.36264	9.804587	11.47643	10.82284	9.381966	9.804848
Tmem8	10.55233	11.08071	5.262135	4.685214	5.704714	4.868119	5.275332	5.790737	4.030239	4.080064	3.22848	3.028732
Anxa8	2.004597	2.224909	0.977284	0.8281	0.761102	0.836857	0.799356	0.69802	0.455871	0.500832	0.573507	0.437821
Nav1	0.565138	0.723151	1.110422	0.880997	0.867861	1.08433	0.883883	0.683775	1.45658	1.306188	0.938095	0.878539
Ero1lb	0.994311	1.408356	2.779368	2.647512	2.881083	2.818295	2.786829	2.864899	1.674581	1.901788	1.462963	1.500141
Oxld1	3.418817	2.895251	2.653147	2.359864	3.270224	2.615975	2.079241	2.882355	1.679201	1.509298	2.181915	2.46931
Cuedc1	6.896374	7.223905	14.92805	14.54043	18.37106	18.34506	19.32428	20.088	26.45529	23.76899	28.52579	27.76335
Nap1l5	0.681429	0.783565	1.228417	1.220592	1.659546	1.800027	2.094271	2.327262	2.1444	1.713184	1.776624	2.307782
B4galnt1	2.428335	2.778354	3.875185	3.95994	5.022876	4.87738	5.704095	5.94837	7.768648	7.550059	6.561581	7.461646
Trio	6.132671	7.613545	8.152644	8.693397	9.575842	9.808085	11.41161	10.21013	12.75374	12.72574	16.17677	16.57053
Slco3a1	0.747265	0.603012	1.124011	1.210648	1.641342	1.508058	1.504284	1.409383	1.817341	1.827138	2.532681	2.307032
Rad54b	15.8438	17.50582	14.65416	15.7443	13.52648	13.60552	12.42853	14.02747	10.35087	11.82646	7.646171	8.262174
Cdon	3.02104	3.595613	8.018876	8.345275	10.13379	9.732214	12.911	11.48445	14.44751	15.89901	14.73656	14.60809
Lrrc48	2.133733	1.669241	0.780711	1.158866	1.138599	1.189078	0.635279	1.211086	0.52558	0.635831	0.617397	0.651536
0610009B2	28.3391	22.28678	25.0037	24.45624	23.21407	22.25532	18.98624	16.49806	14.18833	13.89415	12.10955	12.83977
Tead1	18.89982	24.94214	30.75416	31.07257	29.92042	28.28096	33.11908	26.99891	38.01268	39.0755	48.74385	51.39294
Lmbrd1	2.777767	2.60313	3.082592	3.596434	4.187423	4.26355	5.044684	4.482315	5.792878	6.159855	6.111155	6.844387
Pkd1	2.755376	3.339903	3.440531	3.577052	3.63004	3.830981	3.841482	3.469554	4.049248	4.346374	6.563979	6.602469
Dnajc6	7.807403	8.28036	1.941201	2.060803	1.717803	1.547172	1.274291	1.100787	1.6047	1.749076	1.060464	1.083028
Phlda3	28.97882	27.39139	38.74749	35.78819	44.35095	40.86901	53.73725	48.07551	49.34083	42.48301	77.23413	68.09825
Scamp1	5.595884	5.896473	7.537845	7.717294	10.85676	10.42776	13.66056	13.08405	14.52131	13.95321	14.54623	14.68396
Rps27	3747.92	2501.503	1271.491	1758.547	2468.358	2740.397	1941.11	2301.45	1842.019	1598.609	1597.912	1440.501
Rapgef1l	0.374206	0.471457	0.985162	1.020804	0.991286	1.073351	1.259417	1.11979	0.876332	0.917824	0.598539	0.588714
Mmp11	15.98556	14.17702	11.23196	10.66856	9.778167	10.1734	7.834371	9.443063	6.124638	5.610581	6.750163	6.010308
Fam120c	0.364086	0.342169	0.888008	0.73668	1.186014	1.145485	1.432809	1.400459	1.055837	1.289147	0.944756	1.006576
Chst8	0.373408	0.437655	0.567005	0.690354	0.773075	0.964073	1.025756	1.126233	0.762188	0.592483	0.845946	0.633697
Slc1a5	16.34162	16.67418	32.47038	32.35674	39.29021	37.72889	49.6926	46.11575	24.75165	24.26075	28.33316	27.37903
9430020K0	2.091156	2.191608	2.551708	2.551503	3.359029	2.950079	3.357621	3.300892	3.804875	4.0266	4.973574	4.847591
Wbp1	10.00548	9.144027	8.938251	9.580577	13.46943	13.09679	13.25505	16.53863	20.12887	18.19338	16.7918	15.05014
1110007C0	14.21217	11.64356	9.31841	10.98522	12.52809	12.31391	10.2575	10.78409	7.163212	6.484518	7.753002	8.299083
Arap2	1.91095	2.123504	3.200903	2.977232	3.04359	3.017973	3.395102	3.313194	3.422663	3.580571	5.015684	5.653037
Atrnl1	1.581139	1.988336	2.312483	2.445012	3.023611	2.984054	3.724297	3.446843	4.321841	4.642126	4.213824	3.97223
Ston1	3.523578	3.846342	6.284712	6.956233	6.765386	6.851774	8.275061	7.499875	8.492391	8.522863	12.29514	13.00528

Npr1	3.002746	3.361464	10.01815	9.071758	10.12397	10.22826	11.68541	11.67643	7.569784	7.748187	6.169939	6.152868
Mtss1l	3.28562	3.910004	4.899101	5.356067	6.259913	5.793119	6.799535	6.209865	8.085979	8.019642	10.06504	10.1589
Grik5	4.739865	5.489416	6.913265	7.071932	9.392095	9.322496	11.74379	12.16883	12.64082	12.93476	7.368464	6.820687
Zdhhc7	7.203875	7.333789	11.10815	9.802936	12.88359	12.31628	14.41737	15.85692	15.91463	15.83378	20.28671	18.58947
Atp6v0e2	3.655047	4.075653	6.417582	5.43895	6.125578	5.559823	7.113019	6.344453	8.705518	8.178009	10.48123	10.31133
Spsb2	2.12395	2.110973	2.65703	3.052599	3.716264	3.066877	3.584905	2.268906	2.902484	2.559582	4.675607	4.301209
H2-M3	0.463214	0.77954	1.114635	1.222347	1.39993	1.535269	1.464538	1.597001	1.223437	1.607395	0.887896	0.848028
Sptbn2	1.334839	2.01402	2.567229	2.381132	2.418331	2.267448	2.544877	2.226627	3.810505	3.91638	4.119335	4.219684
Sos2	2.643409	3.239274	5.482734	5.574502	6.676812	7.278896	8.103648	7.706698	9.816291	10.55559	9.161325	9.768129
Gnas	1.619716	2.028639	2.69251	2.500985	2.705061	3.098099	3.469324	3.087267	4.216198	3.473816	5.903986	4.735165
Timm8b	87.4372	66.64144	62.54335	64.16822	66.63049	70.0889	52.53653	50.69116	45.89874	37.04317	40.12646	39.08917
Lemd2	8.654485	8.541638	11.06702	9.132787	11.20523	11.42642	11.24093	11.19753	13.09335	12.54984	18.74152	17.27803
Slc1a6	0.366238	0.407256	0.664226	0.677381	0.925775	0.914904	0.967775	1.076889	0.831064	1.05709	0.557272	0.569375
Zeb2	2.367548	2.482153	6.599441	6.77329	9.71194	10.31691	11.90885	11.2012	12.40833	12.80671	9.984762	10.98508
Leprel2	1.286435	1.514076	1.752317	2.085275	2.900854	2.421694	3.236069	3.085699	4.010165	3.942651	3.682347	3.441163
Mbnl3	1.093425	1.225818	1.726142	1.873813	1.853519	1.815487	1.903988	1.552491	2.103754	2.141285	2.618908	2.935038
Lama5	14.38065	18.35646	30.58987	29.08771	23.12213	22.26566	22.87043	20.42924	17.49018	17.70593	16.42932	15.38751
Neurod1	3.123054	3.151703	1.392576	1.428043	0.723204	0.761685	0.668493	0.755644	0.916859	0.779364	1.283294	1.25596
Mgat4b	8.598144	9.646957	12.57274	10.94237	15.80777	15.31185	17.97341	18.29148	20.7442	20.27303	20.72458	20.67846
Ankrd37	3.453324	2.615647	1.080663	1.283446	1.847544	1.577314	1.545165	0.960598	1.298319	1.590971	0.727093	0.841906
Pycr2	69.4269	60.10142	55.35048	50.48928	59.11999	59.08504	47.79485	50.38652	31.6937	31.32947	32.68805	31.27622
Gse1	8.431257	11.4073	20.59809	21.97569	26.41103	25.95385	30.37843	25.81734	15.38206	15.00385	15.75697	13.73852
Magee1	0.584124	0.458415	1.488401	1.523536	1.974823	1.816433	2.459268	2.415965	2.619446	2.877887	2.537604	2.336084
Nox4	0.724544	0.923295	1.019785	1.029991	1.300111	1.229762	1.313962	1.93636	1.56076	1.666244	1.640401	1.94551
Sema4f	0.473208	0.542494	1.311936	1.202502	1.452926	1.253813	1.468778	1.250248	0.750337	0.743215	0.753918	0.663928
Kctd1	0.892417	0.973873	2.219629	2.026065	2.639968	2.257708	3.101217	2.780021	3.448839	3.243541	3.52161	3.824824
Pdhh	155.0411	127.6792	123.5212	120.5449	111.9689	107.5557	89.91567	101.5296	61.06293	63.86698	65.57392	66.3107
Ldhh	375.1447	333.7509	95.07589	98.32286	82.13298	73.80914	57.40442	71.45075	58.83432	62.272	59.51659	52.10831
Zc3hav1l	4.992831	6.233329	11.66975	12.03263	13.75161	13.55988	16.90054	14.13327	22.27095	22.70423	22.07501	22.41134
Kit	18.30748	21.39551	38.68711	37.49334	39.20055	35.72286	36.54039	36.45814	32.50865	34.40534	21.42754	19.87306
Fbxw4	2.601798	2.532868	3.055946	3.013852	3.445652	3.43726	3.609608	3.286135	4.480386	3.968382	5.228512	5.68487
Ajuba	39.64631	41.91892	63.79818	59.90938	56.70507	55.63041	57.12351	54.62698	61.4013	57.25175	101.0656	103.0256
Sox13	13.34773	14.37642	18.9988	19.7395	26.95405	26.5313	33.62498	33.64329	40.27162	37.22342	31.0926	29.71087
Igf2r	12.37315	16.04059	23.64532	24.07327	21.72381	20.88029	22.7426	18.34182	26.35183	27.21689	33.95994	34.58527
F2rl1	47.01393	46.78111	24.98668	25.16781	26.45506	26.37451	28.97946	26.29254	13.37843	13.98804	25.18465	24.7774
Prrg3	1.09046	1.404445	1.590586	1.761366	2.591217	2.258356	2.572893	2.449637	3.236826	3.190415	2.90826	3.32072
Tnfsf9	0.540189	0.706264	0.622098	0.747902	1.081016	0.923853	1.19177	1.409823	1.199526	0.913781	0.715117	0.979292
Lmtk3	1.352766	2.034482	3.740877	3.501662	3.557653	3.446157	3.115111	3.915643	2.406819	2.149453	2.191039	2.077679
Hpcal1	12.2114	11.58479	14.1035	13.70176	18.68512	19.90261	24.09382	24.64951	27.76559	25.81271	24.64786	25.34954
Dusp6	38.06548	39.43944	64.07795	62.66123	90.52401	89.54078	112.9317	109.5745	115.8191	109.4275	111.2622	117.9746
Agpat6	16.26981	18.17351	22.12227	20.60159	23.78871	22.37503	27.34404	28.30563	33.41796	32.92334	38.32951	38.78173
Lrpap1	20.27489	19.05022	24.12678	22.66395	23.01328	21.9124	23.79516	25.23492	30.95488	27.45149	40.97865	41.24528
Htatip2	10.76915	9.515837	10.73863	10.06868	9.950136	9.344468	8.357934	8.861559	5.286677	5.384024	6.088866	5.350719
Sirt3	12.2722	10.81707	9.281425	8.195223	7.168111	6.646351	6.202794	5.838337	4.239945	4.355363	4.493635	4.836759
Cln4-2	2.020124	2.329763	3.234386	3.588273	4.034279	3.257826	3.830194	4.064271	5.447236	5.511647	5.773172	6.128666
Tcp11l1	2.62089	2.688417	3.262574	3.709588	4.353722	4.146827	5.095925	5.000069	7.271584	6.977671	4.687399	4.62969
Bex2	24.89582	20.52973	32.55207	31.52743	37.44579	38.30497	41.93702	40.3275	46.74902	36.18645	59.20019	59.29763
Ypel2	1.926022	2.24881	2.675832	2.620306	2.833835	3.075667	3.784902	3.896727	4.544298	4.925176	3.845252	3.934518
Zbtb46	1.563774	1.692556	2.288011	2.361884	2.787842	2.700219	3.328908	3.751839	3.96288	4.438661	3.752224	4.155072
Rsg1	0.839573	0.806486	1.694851	2.095603	1.491272	1.949974	1.498681	1.365819	1.569977	1.409577	1.023148	1.115569
Magi3	2.727638	2.894455	5.165852	5.240281	6.099955	5.965537	6.973492	7.015947	7.053018	7.647647	9.469363	9.840525
Rrp9	69.18073	65.90881	66.52284	59.19064	49.59504	50.02817	43.22185	42.44512	34.27614	31.52104	45.2012	40.04971
Npm3	104.0536	87.44595	83.62747	79.90367	72.09205	63.97664	55.6522	58.79498	47.2755	42.56995	50.59517	50.11877
Itga3	6.376173	8.155172	38.78146	37.36894	33.55029	31.34258	32.21859	29.62818	29.39161	29.56927	62.14752	55.49337
Gap43	5.450279	5.63876	6.656963	6.569257	7.607748	7.097502	12.143	12.04682	15.21092	12.3276	11.05899	11.39651
Homer3	7.198933	7.192255	8.448103	8.259005	10.1308	10.04326	11.39234	12.81297	16.67704	15.49777	14.98123	14.00049
Gm6880	0.674396	0.70853	3.045875	3.694516	5.492776	5.939878	5.481019	6.802082	3.748755	4.09752	4.636463	3.626188
Zbtb33	3.573528	3.986152	5.269924	5.231747	5.786914	5.818375	6.395796	6.130603	8.417293	9.810828	9.020812	9.362142
Dnajb14	1.319185	1.705625	1.725703	1.865503	1.886547	1.774145	2.284361	2.027594	2.124291	2.131148	3.268815	3.326074
Pitpnm1	1.655979	1.915476	2.288902	1.942434	2.368683	2.13496	2.513931	2.747478	3.476715	3.607111	1.55371	1.926932
Moxd1	0.646161	0.6235	1.296796	1.342366	2.053132	2.058484	2.227035	2.214432	2.162684	2.26455	2.074295	2.512552

Slc16a6	4.224447	3.791133	6.547896	6.64055	6.968061	6.689801	6.901537	7.487181	5.836017	5.470313	10.03649	10.23177
Marveld2	1.206115	1.231443	1.763774	1.875033	1.711214	1.881199	1.880895	1.515793	1.539738	1.819702	3.04961	2.83481
Clic4	42.00139	45.63805	55.20824	53.97787	57.73486	54.9217	67.62391	64.17344	74.40188	76.60554	100.0417	100.9001
Ifit2	0.770231	0.737326	1.190772	1.09103	1.613026	1.508211	1.578834	1.338008	2.198996	2.039327	1.280276	1.744284
Ifngr1	2.996984	2.653396	8.331974	8.205055	8.496305	9.050146	8.534766	8.831961	5.729275	4.842063	6.407324	6.169924
Ick	3.923141	4.256452	5.525158	5.321747	6.081702	6.297841	7.605988	6.837165	9.937778	9.944033	8.016558	8.458934
Ddc	7.065717	6.897661	10.23259	9.608395	11.95742	11.54542	17.04503	17.95256	15.31891	15.98372	14.40857	15.86908
Spry4	28.7289	37.42038	13.18495	13.2206	9.780492	9.721275	10.38027	9.4102	8.004961	8.530479	7.191673	7.078729
Hps6	1.570278	1.577626	1.891092	1.611811	2.285525	1.820031	2.611499	2.329447	2.294042	2.530022	3.211753	3.008231
1700001K1	0.486364	0.73301	0.730578	0.852074	0.885956	0.778211	1.255056	1.129919	0.806099	0.67942	0.943108	1.268006
Hist1h2bh	2.638177	2.717061	0.807536	2.869929	2.755949	3.451955	3.067969	2.536621	2.401204	2.54447	2.661108	1.849756
Pbxip1	3.613451	3.942411	4.693059	4.347679	5.161611	5.268744	6.13946	6.539837	6.794148	7.077451	8.527995	8.11016
Man1a2	6.439656	7.115664	10.48681	10.45288	11.8923	11.46036	13.93816	13.34439	16.26562	16.38343	19.75273	19.4984
Tlcd2	2.951245	2.630021	4.022555	3.901506	5.453338	5.577085	6.921626	7.275984	7.745127	7.227607	3.632719	4.496625
Ankrd44	0.69021	0.782659	5.084887	5.304384	4.01438	3.864657	3.390519	2.906486	2.947634	2.845283	3.939661	3.874883
1700007J11	0.726919	1.317278	0.882501	1.747566	1.288278	1.822743	1.357652	1.138984	1.518157	1.759228	1.617227	2.123253
Glce	7.294006	7.818275	9.356342	9.380449	10.60374	10.01968	11.83033	10.60066	15.16437	14.73519	16.27748	17.48596
Lag3	1.046445	1.11145	0.5507	0.716968	0.612996	0.731503	0.568415	0.51528	0.374719	0.44182	0.402622	0.392431
Ptpn6	10.12131	9.444013	6.316735	6.24383	7.944774	7.630469	7.869256	7.980401	5.752842	5.757034	4.39161	4.282583
Bcl2l11	7.754237	9.151017	15.18117	14.69205	14.6296	13.23459	14.8892	13.46638	19.79059	18.93834	24.51567	24.66082
Mfap5	0.525543	0.452604	1.417822	1.245461	1.018313	0.817356	0.868136	1.053616	0.628763	0.668454	0.732014	0.934923
Apol7b	0.172967	0.163524	0.770598	0.760865	0.802263	0.774366	1.183615	1.166376	0.741206	0.626108	0.886399	0.632458
Slc12a8	2.692069	3.084677	1.390885	1.421923	1.189596	1.11357	1.152882	1.302686	0.835614	0.763837	0.829194	0.809306
Pafah1b2	17.16221	17.99437	19.45633	19.90201	20.78104	20.59992	23.57723	21.93614	35.59562	36.2841	36.5143	37.03544
Map1lc3a	12.382	13.43992	17.13195	16.91018	17.06789	18.21385	20.15181	17.65945	21.70596	19.57875	35.39101	31.46249
Slc43a3	3.360038	2.898292	7.311629	7.26461	10.2833	10.35986	12.87604	12.33815	13.49729	13.51286	9.240951	9.589251
Hist1h4d	11.63732	12.48245	2.977506	6.168067	6.526628	9.512481	6.795864	8.824846	5.425462	6.582826	6.355886	5.114168
Fam83g	0.801259	1.186263	2.339759	2.22465	2.242133	2.064232	2.428231	2.138348	2.007807	1.811333	3.801681	3.368437
Gm2694	2.176348	1.69762	1.617451	1.726649	1.976582	2.004859	2.012835	2.207655	1.547633	1.452964	1.008015	1.187479
Pltp	11.14621	13.06694	7.720474	5.934705	6.035112	5.662249	5.63569	5.60047	4.065388	4.554036	3.985892	3.192575
Folr1	23.70766	23.61833	69.60979	66.76212	59.4978	63.46347	56.17352	61.26949	40.51386	35.92166	42.97168	44.66667
Disp1	1.889058	2.308486	3.939974	3.732141	3.891223	3.77293	4.765655	4.258103	5.735059	5.91512	7.507912	6.936144
Dars2	24.08386	21.95968	21.96147	21.68689	20.0753	19.366	18.00539	19.89079	14.91077	16.12416	11.02008	11.67175
Piwil2	3.061344	3.238365	7.875851	8.218578	5.835715	5.434703	6.402761	6.343703	4.2619	4.423614	4.994108	5.11776
Irx2	0.913553	1.130476	1.846436	2.24251	3.45257	2.964353	3.40235	3.481555	3.935135	3.672245	4.703254	4.165915
Gal3st1	0.375359	0.471383	1.761635	1.480965	1.533142	1.512198	1.494195	1.471612	0.880398	0.978932	0.871125	0.814535
Pgm2	24.2019	19.64607	9.816626	9.926953	13.80982	13.13264	12.64325	15.32515	11.99332	13.80751	8.321855	8.257041
Oprl1	0.506809	0.342529	1.368051	1.473481	2.201689	2.2538	2.449074	2.734669	2.286269	2.032746	1.799189	2.055452
Nr5a2	12.46839	15.61996	6.355686	6.22848	4.784542	4.06638	4.016218	3.813732	4.157861	4.906554	3.562583	3.364284
Adamts4	0.656217	0.719021	0.996512	0.909889	1.05493	1.173227	1.381065	1.345467	0.993535	1.057322	0.857556	0.727194
Atxn1l	5.003882	5.255186	6.891051	6.704398	7.217036	7.496211	8.927032	7.298463	10.10426	10.54725	12.66714	12.40043
Mpzl2	5.162653	5.544193	3.785401	3.480266	2.675943	2.945142	2.361876	1.885544	2.094253	1.883317	3.115723	3.010853
Kank3	15.19973	13.94643	9.536004	9.746574	7.898278	7.994429	6.646268	7.493079	5.778634	5.518475	4.809535	5.277244
Arrb1	3.383331	3.855364	4.064218	4.301439	5.243871	4.670096	6.282487	5.491365	5.80716	6.334183	8.050873	7.943689
Emilin3	0.562909	0.511105	1.054	1.156856	1.198624	1.026491	1.422071	1.360956	1.15561	1.02493	0.705308	0.73716
Ccdc138	4.208963	4.532803	2.82935	3.036972	2.417997	2.480066	2.360268	1.947172	2.612332	2.47882	1.877597	1.64534
Cers6	2.932333	3.721745	7.081168	7.187395	6.465625	6.536833	8.535509	6.306214	11.09902	11.63892	9.73259	11.46513
Fam168b	25.06475	25.21504	29.8839	29.39331	29.71979	28.89316	34.03721	31.35592	46.5834	47.96406	54.17686	53.29911
Scube3	2.137851	2.786297	9.687059	9.700863	8.982523	8.121546	8.066523	7.136055	6.325479	6.867888	5.583751	5.259003
Spata5l1	3.144233	3.437322	4.491942	4.085947	4.075403	3.533277	3.738672	4.299733	5.251952	4.943926	8.038448	6.515271
Slc27a2	14.58815	13.40252	2.974361	2.944564	2.775934	3.037909	2.614512	2.698311	1.769315	1.841023	1.878937	1.647584
Lrrc58	7.109405	9.740398	10.29525	11.01498	11.38122	11.12016	13.33437	10.57832	16.51387	18.21399	17.21548	19.50048
Itm2c	15.70855	13.9217	17.2799	17.77088	24.08253	24.09798	32.01429	29.27617	32.33724	32.74313	30.26208	28.83748
Purg	3.197682	3.895376	5.994369	6.140209	7.000199	6.135169	8.007218	8.193912	6.751463	7.012933	4.565331	4.44731
Slc45a3	0.990166	0.763725	1.161442	1.069229	1.561664	1.278306	1.714808	1.908361	2.030213	1.968033	1.358482	1.35613
Otud1	2.901681	3.084043	3.70968	3.739853	3.348754	3.510686	3.823249	3.193979	4.192715	3.849691	6.592805	5.875646
Hist1h1a	8.967618	9.537037	3.233674	5.167633	6.857236	8.527104	5.743862	8.030187	4.681086	6.570806	6.433709	4.635856
Dstyky	2.315606	2.492635	3.192065	3.605396	3.901696	3.465701	4.133013	4.103295	4.83591	5.309598	6.102619	6.373456
Bend7	0.852291	1.127409	1.680556	1.700048	2.148097	2.067307	2.379297	2.687483	3.119974	3.095343	2.553803	3.126141
Dmrt3	0.211005	0.335542	1.115658	0.917882	1.053215	1.148462	1.263121	1.117751	1.076956	1.474676	1.198364	0.802128
Arhgap1	13.44397	14.22561	20.05719	17.71368	19.97659	18.83428	21.34981	19.85372	21.18269	19.11355	32.52065	32.55072

Tfpi	15.40044	13.11151	7.409522	7.411292	6.858696	6.973269	7.541262	8.527732	10.60028	10.56588	11.8803	12.81023
Wdyhvh1	14.08175	13.91675	13.97684	13.59617	12.70923	12.43088	12.5203	13.57798	11.05094	10.81871	7.116796	7.404637
Tmem65	5.917208	6.651465	8.521761	8.217838	9.754031	9.468984	9.921058	9.906254	11.34566	11.76749	14.57108	15.08195
Dab1	5.277365	4.880978	1.798678	1.693664	2.553099	2.609589	3.095332	3.107897	2.377596	2.026159	1.74245	2.048636
Casd1	5.223938	5.309623	9.511774	8.741026	10.22066	10.02136	11.57311	11.64035	15.28711	16.02842	12.67496	13.82889
Zfp865	4.192338	4.927745	6.250658	5.524051	6.781469	6.759285	6.823681	6.933861	8.756163	8.55587	11.52918	10.12856
Kcnk5	17.52047	17.27548	11.68932	12.25588	11.36838	10.4701	11.21719	11.21522	8.798092	9.15427	7.598464	6.68431
Syne4	10.42634	9.961844	9.543445	9.32975	7.254055	6.760115	5.605177	7.194358	6.402554	6.103522	4.98288	5.092756
Abhd14a	19.89021	20.39205	16.40765	15.56132	16.39149	15.43546	13.98121	14.2315	12.5619	12.61538	9.46105	8.495271
Gpc1	6.994743	8.221327	10.6582	10.93686	14.4817	13.0188	16.32943	14.72453	17.73964	17.57041	22.57342	20.03373
Trim35	17.1433	18.01296	22.12392	23.00262	27.75596	26.74033	30.77641	31.09182	41.81852	41.74153	44.84919	42.12402
Gnb5	3.644959	3.324858	4.418936	4.22928	5.408551	5.415414	5.736895	6.509318	7.901558	7.742167	5.944699	5.772463
Pim1	23.01977	23.9126	54.38706	53.42624	55.76523	54.29101	49.31785	45.07271	28.96567	29.66943	35.3213	30.66355
Anks6	0.364341	0.351171	0.845613	0.966923	1.634605	1.491245	1.852768	1.648591	1.589445	1.515066	2.037468	1.769121
Mob3c	3.019503	3.095322	1.518019	1.422505	1.23558	1.264099	1.350967	1.283807	1.584217	1.591845	2.009291	2.312633
4930506Mi	1.201127	1.262519	2.119941	2.19516	3.196783	3.031177	3.668627	3.870181	4.248002	4.015963	3.467228	3.806023
Pom121	14.66217	21.06252	28.9039	28.14332	27.76797	25.63689	30.03872	23.62672	33.98504	33.78019	47.92845	43.15555
Pde1b	5.081929	4.724229	2.338514	2.124501	2.222631	1.998727	2.222864	2.030801	2.415237	2.590904	3.349446	3.650306
Tmem91	1.022193	1.539786	0.795	0.829067	0.68745	0.935144	0.508168	0.644031	0.417	0.635091	0.311601	0.512348
Slc43a2	2.551037	3.105779	4.787899	4.776022	4.95107	4.297845	4.957417	4.486647	3.898399	3.768529	7.233123	6.877813
Usmg5	204.07	131.1732	126.9664	122.5576	135.5399	147.9696	103.3329	128.7814	100.0131	81.07933	117.2552	111.8397
Furin	3.766503	4.354086	5.138708	5.191487	5.946074	6.105092	6.638917	5.466193	7.357551	7.511727	10.48274	9.47414
Zdhhc14	0.479259	0.418828	0.799887	0.639753	0.885032	1.167475	1.213848	0.827509	0.991419	0.866706	0.694129	0.864383
Cachd1	4.21315	5.012962	5.362059	5.621148	6.571147	6.48012	8.972864	8.519811	9.485319	9.081426	10.60952	10.25722
Esco2	65.12475	61.99513	43.71451	41.08121	34.89216	33.22619	29.76536	33.73851	24.81931	27.11615	20.73622	22.51627
Nipsnap1	53.47982	53.98401	45.32111	41.03225	39.06994	39.1585	36.38548	36.11151	30.57365	30.27134	21.86968	22.49025
Hs6st1	19.11817	23.61577	26.69135	25.92993	25.75732	23.79466	27.09449	23.32643	32.37915	32.0506	44.44194	42.55535
Lxn	1.871792	1.990882	3.235499	3.180293	3.674933	4.130472	4.316488	3.751053	4.960037	4.310386	5.982285	5.797573
Hoxd13	0.267705	0.332432	1.183747	1.108303	1.559053	1.687377	1.561809	2.019645	1.540101	1.377942	2.08213	1.521043
Nr4a1	13.4009	15.78721	9.305435	8.515145	6.739801	7.00193	5.518888	5.891538	5.067731	4.672846	7.190671	7.017511
Rhox2a	0.456349	0.235674	1.485296	1.792266	1.975289	2.344566	2.419258	1.650665	1.60021	1.28664	1.341127	1.313028
Lrp11	17.26976	17.36391	13.30919	13.04732	12.54313	12.43793	11.05017	12.0282	8.661448	8.870924	7.955442	7.161813
Psmb10	14.57865	13.67094	11.01128	11.03616	11.29683	12.78314	11.13437	11.4769	7.096817	7.017627	7.515792	7.243327
Gal3st3	1.664588	1.952103	3.399199	2.743035	2.910806	2.871639	3.100012	2.845709	2.973996	3.473919	1.99569	1.907178
Spsb1	2.640874	2.64903	9.413614	9.503288	12.67761	13.06663	17.61125	17.3099	16.78197	16.6555	16.05949	16.77718
Gm13251	18.65344	15.38856	12.91977	13.19699	10.83331	10.76825	8.500038	10.10475	7.964534	7.741856	6.602899	7.246022
Dnajc25	1.682614	1.764083	2.286143	2.365282	2.349162	2.273781	2.821367	2.341607	3.119846	2.921376	4.227796	4.140913
Rpp40	9.023374	8.744481	7.950524	7.956523	7.196686	6.977674	6.296495	6.420149	5.594003	5.409228	4.260361	4.370283
Pdlim4	1.427366	1.692604	1.896518	2.105031	3.060003	2.74187	3.526032	3.83147	3.587735	3.322121	3.11723	2.496632
4632415L0	4.231003	4.192383	4.751675	4.945127	5.235526	5.554743	5.323715	6.570966	6.926737	6.114169	8.537692	9.000137
Wdr81	2.509296	2.887713	6.469587	6.152618	6.449533	6.274756	7.874623	7.503619	4.388645	4.50278	4.504453	4.123826
Hyi	2.422893	2.103234	2.812309	2.837321	3.76411	3.821079	3.9813	4.990477	5.252263	4.747746	5.241682	5.160423
Brdt	0.429048	0.338406	1.379033	1.156964	1.659995	1.403082	2.150736	1.876659	1.731489	1.535676	2.230261	2.10424
Mdfic	0.92021	0.794703	1.413728	1.800567	2.060859	1.990267	2.28374	2.269218	2.42616	2.74462	2.820248	3.274338
Asxl3	0.227857	0.28483	0.752753	0.765735	0.671437	0.78655	0.886766	0.681149	1.110871	1.121494	0.988534	1.238411
Reck	2.730004	3.124169	4.572582	4.755507	5.653201	5.731116	6.080163	7.108879	4.866798	5.681004	3.500981	3.910871
Abcd4	10.20435	10.75976	10.56608	9.592106	9.746454	9.505171	9.028077	9.180534	6.72632	7.025509	5.03441	5.277779
Zfp750	1.345728	1.392332	0.509121	0.682832	0.661011	0.699918	0.652471	0.594539	0.548422	0.38518	0.70134	0.590077
Ppp2r2c	1.702445	2.037737	2.794114	2.728452	4.675566	3.803717	4.526571	4.780718	5.154834	4.957553	4.771781	4.265332
Atn1	7.368188	9.477968	17.66018	17.93018	18.75287	17.11869	18.91014	16.48225	22.87062	21.10647	32.73346	29.94773
Trim44	9.295155	9.857849	18.84947	18.46731	20.06828	18.75053	21.97803	21.70484	26.71831	26.92288	32.72864	33.50656
Zfp316	0.840795	0.942033	1.568184	1.514769	2.232961	1.996812	2.613392	2.747686	2.742903	2.730397	2.763783	2.458962
Tnks1bp1	4.516447	5.240685	8.772007	8.811109	7.691652	7.699519	7.456921	6.641827	7.637807	7.232397	12.59896	12.0475
Zfp672	1.334337	1.361049	2.40563	2.669091	2.158016	2.394951	2.704385	3.119473	3.19271	2.984476	4.847177	4.344095
Tigd5	0.784401	0.542138	1.057233	1.307116	1.071161	1.133193	1.245167	1.119155	1.366199	1.521381	1.998332	2.029882
Hmgn2	12.50588	10.87719	18.66556	17.89172	19.40299	21.50437	21.97218	17.64842	21.96298	18.54383	32.89334	32.0018
Pim2	43.10459	40.30263	7.705463	7.682605	5.850472	6.205486	6.414746	5.660719	4.606489	4.548162	4.518326	4.236868
Slc38a6	2.206912	2.411176	2.88534	3.153486	3.026241	3.448773	4.81527	4.893177	5.410188	4.681318	5.591268	5.717087
Dnajc1	2.946342	3.157796	3.888697	3.813042	4.342023	4.386164	5.31006	5.200823	6.382266	6.549271	7.182219	6.902921
Smad1	6.563141	7.550647	9.027112	9.212377	9.604462	10.10453	11.77634	11.52123	14.66185	14.68432	16.24964	16.67712
C2cd2	1.313051	1.115054	2.129484	2.086141	2.371478	2.438723	3.226931	3.052974	3.272931	3.774847	3.328789	3.489007



Tmem150a	8.587239	8.390102	10.1498	10.10372	13.322	13.29107	14.39514	14.36934	19.92765	17.61243	17.01811	18.27922
Ntrk2	0.200472	0.165202	0.719463	0.63702	0.747864	0.715786	1.005595	1.152334	0.925353	1.016295	1.038595	1.043891
Flt4	1.118956	1.229393	1.740924	1.619732	2.395534	2.384269	2.834184	2.929661	2.457671	2.609408	1.983691	1.770707
Porcn	5.657445	5.145629	15.23299	14.15118	20.66284	20.39927	24.28592	25.57849	19.16463	15.96771	19.99777	21.79105
Gatm	1.973851	1.842989	3.089657	3.512257	5.389628	5.013105	4.915096	5.1595	6.399971	6.345049	5.240157	5.851383
Plekhhg5	8.041956	10.32216	6.785542	5.832354	4.622684	4.431043	4.26082	4.421209	3.609728	3.424268	3.720569	3.229276
Erbp2	2.679493	3.24237	5.825294	6.143859	7.329291	7.046375	8.771803	9.154605	9.554458	9.649712	11.29223	11.09403
Hoxa3	0.801076	0.768989	9.702914	9.303479	14.59102	16.79886	18.55317	15.26662	13.31763	11.8789	16.19555	14.23681
Epha4	9.22436	12.00136	4.580836	4.680754	4.703168	4.830289	6.921056	5.776917	8.246476	8.450114	8.560437	8.255615
Zfp428	37.19864	30.97622	22.84707	23.19482	19.35083	20.40851	17.55466	18.79442	16.12928	12.85308	21.04435	17.2931
Klf9	48.47709	50.02116	36.64265	34.89686	30.08449	28.06613	25.62292	26.7299	20.21068	22.34598	20.3827	19.33871
Rtn4rl1	0.22824	0.383437	1.208719	0.931003	1.130353	0.917384	1.163481	1.076946	0.806751	0.597206	0.778683	0.647069
Hp1bp3	12.58543	12.72214	17.77876	17.22718	18.58456	18.40401	21.40056	21.31066	28.51161	27.65278	31.42371	31.05832
Efn2	3.566586	3.707743	6.666359	6.190442	7.862335	7.835442	8.990295	8.621257	11.6321	11.08141	11.92519	11.15924
Mutyh	14.89414	14.95734	12.65633	11.9387	11.58854	11.27176	8.606832	11.31038	9.517312	9.133794	6.477636	6.623621
Adc	9.657556	8.82272	5.712402	6.390157	7.165699	7.307954	6.771474	7.996711	4.084728	4.439224	4.191974	4.594141
Dlg4	1.55191	2.014699	2.807792	2.982008	2.83345	2.880965	3.350845	3.701104	2.98627	2.750079	2.295987	2.054866
Metrn1	0.446675	0.289497	1.165369	1.003423	1.323615	1.140268	1.777026	1.80644	0.813648	1.172965	1.730957	1.474048
Csrnp1	9.393298	9.836835	21.5215	18.89443	17.43188	17.39234	15.85633	14.28875	10.46073	10.49654	17.77398	16.85836
Slc4a3	1.471782	1.392755	3.524195	3.535352	3.769195	3.895922	3.294037	3.530367	2.48734	2.164751	2.522485	2.179949
Slc46a1	3.954201	4.226809	6.023609	5.323649	6.789638	6.654166	8.362098	8.624682	8.407234	8.091281	10.08027	9.580352
Abtb2	0.770524	0.954048	1.393056	1.365808	1.489324	1.595988	1.707912	1.501228	1.510299	1.630404	3.039825	2.457606
Eva1b	4.008447	3.382525	11.36258	9.802921	10.43106	10.8542	12.32071	11.48785	7.181545	6.386945	7.804563	6.467288
Fam46a	0.528644	0.534777	0.798909	0.992232	1.248319	1.356339	1.734035	1.784069	1.676501	1.362771	1.306476	1.482138
Gm6406	0.252446	0.382498	2.397537	1.889236	2.010648	1.54469	2.167319	1.649126	1.275504	1.050805	2.106671	1.552237
Lif	1.30247	1.304015	1.745488	1.763017	1.795794	1.695552	1.682614	1.746166	1.712357	1.761716	3.450551	3.048394
Sh3glb1	12.91779	12.71448	16.49554	16.0851	18.51501	17.7552	20.08392	19.20257	25.70262	25.28725	28.13166	28.91835
Pemt	2.794192	2.675412	3.878216	3.708622	4.516328	4.615996	5.117996	4.999779	4.244485	3.571369	5.851942	6.417351
Bcl6	0.307835	0.464931	0.739201	0.619048	0.619839	0.723652	0.940459	0.846062	1.018797	1.110821	0.863573	0.687727
Clybl	19.28312	15.81354	11.45538	11.14178	11.1674	10.85922	10.47178	12.48276	10.67969	9.646096	7.727582	6.956755
Gnaq	7.057325	7.581193	9.298395	9.543504	10.9161	10.43271	11.80434	10.11412	13.33662	13.5932	16.68078	17.12327
Vegfc	8.593342	9.154137	6.469077	6.232317	3.897658	4.017104	3.781926	3.687575	5.847903	5.411561	6.354869	6.615888
Renbp	24.25307	22.96285	21.32936	19.17313	18.32748	17.85378	15.89279	17.37942	12.26832	11.58308	10.59135	10.69023
Mettl5	17.46592	14.72099	14.34181	13.93083	11.9219	11.95942	9.269235	10.33767	8.249226	8.030617	7.423929	7.769449
Cep112	0.705264	0.818609	0.885595	0.84842	1.063047	1.28137	1.244638	1.277582	1.500857	1.520942	0.845386	1.117531
Fam171b	1.332734	1.437916	3.536186	3.611842	4.463063	3.973526	4.923647	4.691718	6.517592	6.474828	4.352868	4.597072
Gxylt2	0.298712	0.266485	0.889456	1.002511	1.071977	0.960775	0.875686	0.949662	0.574425	0.60031	0.825808	0.559301
Gcnt1	4.009292	4.037626	4.153655	4.720935	5.522324	5.638448	6.387848	6.206888	5.646016	6.365463	8.110532	8.456229
Zfp964	0.469036	0.47531	0.87305	0.937192	1.57866	1.261904	1.653284	1.621813	1.615713	1.678456	1.025282	1.274287
Fads2	42.58741	47.36287	53.98687	55.04851	74.22929	67.53447	86.56816	82.73222	95.55042	98.5688	70.54526	67.96261
Mdga1	0.384587	0.439827	1.055877	0.923748	0.886708	1.022694	1.035289	1.208349	0.922937	0.883311	0.831627	0.675231
Prkar2a	16.32714	18.65189	21.442	21.87001	20.44966	20.124217	23.35572	21.22415	31.3701	30.10305	34.69236	36.03856
0610011F0	8.565877	7.739558	11.9826	13.14484	15.50588	17.76721	17.66933	18.13473	14.59538	14.78425	10.60006	10.13782
Amigo3	0.515891	0.615504	0.715784	0.616827	0.895035	0.858629	0.636195	0.903062	0.602057	0.707786	1.157929	1.10326
AU018091	45.51703	57.09398	39.3024	37.46763	30.08971	27.13084	27.57138	25.61832	22.88087	22.35387	21.98471	20.95474
Lats1	5.095654	5.932867	7.052184	7.145229	7.190508	7.43439	7.187179	6.472493	9.323846	9.604668	10.97963	11.57035
Plk3	12.92748	13.60838	53.0585	49.29142	53.13903	53.185	61.76776	58.50923	35.09465	32.75648	44.05688	41.36117
Mfap4	3.716011	3.075585	1.517285	1.640084	1.73015	1.438465	2.500679	2.515465	2.621191	2.569092	1.484711	1.630371
Lmx1b	0.168487	0.254685	0.671467	0.725553	1.018093	0.941164	1.117688	0.998005	1.119151	1.295704	1.59311	1.227916
Map7d1	17.31317	18.30374	26.58411	24.83555	31.51432	30.0606	38.54384	37.28668	36.81103	34.68005	49.23982	44.33664
Prkcb	1.751235	1.966486	2.629709	2.663731	3.378157	3.724894	3.64166	4.309294	4.250539	4.754795	3.510251	3.762413
Zfp423	7.903532	10.02597	23.2816	22.62918	19.98919	19.18771	20.14605	17.25878	15.79157	15.29444	13.70479	12.68102
Fsd1l	4.155527	5.098403	8.508325	8.496837	6.319916	5.937372	5.804137	5.579864	4.818043	4.76405	5.375696	5.360621
Pja2	7.961048	9.043672	10.61265	10.51821	13.6119	12.73798	15.16057	15.00933	18.42516	18.75774	18.006	18.38414
Pnpo	10.0713	9.311722	7.732963	7.146289	7.185922	7.237279	6.170653	6.630245	5.47928	5.164175	4.155373	4.058901
Pigyl	22.99286	17.96921	16.45343	14.39378	17.44132	17.48095	13.80897	12.54285	11.59697	9.805952	11.95471	10.58295
Ccdc50	12.61041	14.02489	17.2878	17.37133	18.02502	17.08045	19.71973	18.47181	28.64736	30.43771	26.99162	30.3743
E2f6	14.08928	13.30085	19.00681	20.01439	22.12238	21.42251	23.51228	24.02398	26.21693	26.86477	35.76731	35.65586
Acy1	25.01843	22.9392	19.2055	18.84727	17.29191	17.88741	14.60724	14.37092	13.11927	12.81805	10.5367	10.58065
Ephb6	0.777337	1.047257	1.352967	1.091179	1.622455	1.596177	1.968835	1.943452	1.751158	1.904267	1.683804	1.711569
Bahd1	2.549494	3.157409	4.341729	4.398958	5.254411	5.199777	5.856116	5.774221	7.367775	6.734251	8.70748	7.832093

Enc1	43.33095	47.05084	33.43053	32.47026	25.80537	25.06357	23.50921	21.63477	19.0152	18.24566	25.07158	24.64066
Cyp7b1	1.033344	0.906904	1.023406	1.142561	1.693199	1.700102	2.259527	1.774285	1.932492	2.032638	1.742686	1.830394
Asap1	6.463363	7.27692	9.473208	9.553804	11.20892	10.25714	12.56629	11.06288	15.40211	15.16349	18.17885	16.99595
Rhoq	3.750565	4.137493	4.914471	4.905334	5.938996	5.906133	6.568894	6.650136	8.307235	8.719756	6.987172	7.869739
Rpl35	53.15317	33.99169	33.18115	33.48157	32.5547	37.0093	22.61887	24.6721	22.17799	20.82479	29.74027	28.27389
Vamp8	2.843262	2.17075	3.489745	3.52661	4.764544	5.038257	6.201419	5.73422	6.24224	5.098143	6.781754	6.262692
Siah2	1.838202	1.852277	4.228059	3.973324	5.219513	5.522114	6.258256	5.412766	6.95314	6.305963	8.313662	7.055239
Map3k14	0.55575	0.695416	0.912613	0.963231	0.972406	0.974137	0.962426	1.170022	1.126696	0.920662	1.690998	1.6346
Nudt15	0.846779	1.030133	1.904471	1.296284	1.469357	1.4391	2.064648	1.7539	2.104144	1.850709	2.267604	2.301136
Qsox1	3.884019	3.292161	5.736704	5.738166	8.779154	8.160098	9.958874	10.18606	9.999422	9.184762	10.56923	10.08096
Il17rc	1.436644	1.340685	1.868471	2.383465	3.016866	2.804775	2.892767	3.196409	2.111109	2.147638	2.074976	1.800851
Garnl3	4.728244	5.325746	4.579454	4.025413	4.202454	4.284458	4.144963	4.568272	3.678192	3.369011	2.229431	2.575325
Ldoc1l	2.09145	2.221933	4.200745	3.974804	4.562436	4.209494	5.348907	5.040383	5.054344	5.169665	8.090945	7.049939
Esrrb	107.5169	115.1521	54.08483	49.24714	38.57346	36.58211	34.26152	36.07676	35.91383	35.94783	31.09529	27.77739
Maml2	0.914701	0.800137	0.425261	0.575537	0.771234	0.68783	1.067743	0.848602	1.00532	1.020322	0.772287	0.616155
Bdh1	5.97249	5.595863	4.320219	3.699677	2.981148	3.327416	2.790132	2.732162	2.660974	2.087023	2.130782	2.223261
H2afy2	8.700622	9.418659	16.2126	14.93493	17.90458	16.72288	20.05646	18.94077	25.51367	21.36634	26.90848	26.46785
Ntrk1	0.582865	0.760094	1.550813	1.250533	1.673837	1.444957	1.582522	2.046361	1.459608	1.335086	1.366673	1.154817
Mcur1	2.094564	1.973307	2.236778	2.29299	2.919052	3.07699	3.331779	2.844348	2.832067	2.647565	4.429028	4.061014
Ppp3ca	5.616557	5.924906	6.779552	6.465018	8.279467	8.051705	9.070848	9.663013	10.81432	10.5752	12.13428	11.44989
Greb1l	2.81518	3.64723	14.49625	15.83561	18.62207	17.98772	24.43404	21.2779	26.57938	28.02219	16.11502	17.05486
Lrfn3	1.112897	1.362261	1.68742	1.569589	2.244994	1.599388	2.193479	2.489968	2.611712	2.776206	2.123954	2.448704
Gm973	0.566683	0.571002	1.236762	1.333146	0.907871	0.886246	0.698322	0.964719	0.805624	0.832632	0.742197	0.753866
Crebrf	4.481284	5.043577	3.890112	3.715797	2.930657	2.835516	2.784949	3.127822	2.446496	2.983172	1.76337	2.102615
Klhl5	3.586136	3.187757	4.317404	4.454972	6.098022	5.355046	7.682895	7.064737	8.016315	7.871581	5.497473	5.817694
Pitpnm2	2.491854	3.124515	4.070943	3.864129	3.904057	4.345536	4.383214	3.781996	4.811773	4.8007	6.600066	6.680707
Cebpa	0.543346	0.306211	1.403153	1.510927	2.362841	1.979274	3.001061	2.668969	2.812494	2.462387	3.459896	2.482795
Rab11fip3	6.702808	7.277627	8.844019	9.512587	11.32208	11.32458	13.07971	13.0416	16.1771	16.44485	16.80488	16.79187
H2-D1	8.217961	7.058514	11.81309	10.52362	13.77445	13.29756	12.49129	14.04675	14.14854	13.14895	20.20684	18.56365
Cd99l2	2.410542	2.413952	2.97571	3.237631	4.308056	4.274372	5.151239	4.908026	5.46849	5.709996	4.695529	4.8249
Ksr1	2.510602	3.079367	6.988153	6.36664	6.003125	5.624978	4.87536	4.827438	3.863953	4.000539	3.947752	3.610209
Hipk1	8.09102	10.54262	11.71013	12.05457	11.97487	11.63449	13.50102	11.07478	17.73723	18.57947	18.97069	19.52907
Mob3b	1.769463	2.165685	1.912639	2.198949	2.83223	2.629833	3.355551	3.054522	4.229119	3.87343	2.55567	2.508083
Pfkm	26.2807	24.0641	18.11572	17.92048	18.95231	19.04179	19.3031	21.17156	17.38373	17.12374	11.96532	12.02595
Prelid2	28.27477	23.24254	8.931974	8.849729	10.54664	10.46209	6.710591	9.515832	10.95696	12.60559	8.140186	7.164264
Zfp276	1.749859	1.958484	3.193271	3.194738	3.060734	3.12952	3.103612	3.454325	2.507059	2.399359	4.178169	4.220799
Rdm1	32.66639	31.04823	22.56587	21.29197	18.88922	17.91673	17.64371	19.01369	16.12378	15.62577	12.14439	12.10691
Sorcs2	0.978792	1.102305	3.699661	3.759341	4.466422	4.520443	6.254793	5.075147	6.37054	6.328411	7.212077	6.611255
Plekhhb1	3.327906	3.58284	6.592707	6.67489	7.270575	7.281318	7.374908	6.544277	5.327682	5.447857	3.90873	4.143719
Stoml1	21.51723	19.53722	16.68351	15.26811	14.6821	14.25802	12.49081	12.64256	9.192947	8.694176	11.31039	11.90381
Dyrk1a	9.704712	12.40194	17.23169	16.66736	15.03862	15.32108	16.87506	13.57428	18.23328	18.15797	23.3642	23.82073
Tfeb	11.73641	12.17955	7.138747	6.199727	5.951514	5.864809	5.110533	5.783343	3.143416	3.535397	4.170646	3.831466
Wdfy2	3.019632	3.884575	5.199813	5.277116	4.635767	4.527297	5.204415	5.197096	7.160848	7.935692	7.714222	6.746637
Dsc2	0.78394	0.731608	3.749575	3.61733	5.340532	4.825361	6.278655	6.194959	5.344145	5.295069	6.006597	6.339884
6030419C1	1.819059	1.675085	3.507551	3.312171	4.321068	3.947862	3.618886	4.469793	4.83204	4.387112	6.218016	5.804939
2700089E2	4.80478	4.808519	9.37253	9.68722	9.018169	9.175296	8.397731	8.190546	7.772583	7.451502	12.76484	13.05359
Trim36	2.776323	2.758728	0.758011	0.785369	0.873083	0.9322	1.178334	1.021092	1.049681	1.253318	1.393941	1.375594
Il4	2.230936	2.504946	3.61462	3.009558	4.127507	2.739429	4.706257	3.950779	3.771643	4.796787	2.523804	3.355293
Rnf38	10.41943	12.29885	14.46283	13.86644	15.48786	14.88568	17.52747	15.70584	22.47547	24.27238	20.14587	20.62117
Zfp651	1.146375	1.086877	1.673472	1.60335	1.793918	1.771668	1.672339	1.630352	2.662141	2.50549	3.154137	2.804364
Mrpl36	47.15763	41.69489	40.31232	40.93164	39.18579	37.93995	32.77536	35.03302	25.23074	24.5246	23.43368	23.40488
Hells	120.0906	116.8347	113.5323	113.2941	93.26696	90.19105	76.7368	86.39422	70.16078	73.78563	60.37781	64.79203
Traf1	0.337409	0.455502	0.754478	0.862987	0.898548	0.870962	1.094449	1.265563	1.057417	0.986802	1.033707	0.723995
Asrgl1	9.281806	9.125033	7.413012	7.32626	7.2179	7.429657	7.040076	7.418295	7.292643	6.865453	4.486358	4.250673
Slc35c1	2.782537	3.266227	3.979046	3.968505	4.286465	4.485644	5.273696	3.657992	5.282982	5.308231	6.508333	6.388728
Plekhh3	0.54091	0.509026	1.221242	1.298153	1.568275	1.190015	1.092148	1.150207	1.114713	0.934695	1.868457	1.632443
Tnk1	1.124531	1.385723	1.168519	0.979517	0.964048	0.932157	0.485257	0.725445	0.504175	0.637956	0.456826	0.560919
Parvb	29.15746	32.25333	23.69639	21.4504	19.2972	17.63169	15.69209	16.21274	14.36093	14.629	12.91003	12.28887
Actn1	56.96544	68.33758	80.96945	81.76514	78.15925	73.51087	86.10248	79.51988	79.67588	77.89511	141.5358	128.2883
Ap3b2	1.977612	1.77719	5.14705	5.553006	7.623513	7.837194	9.140005	9.548369	5.790753	5.612589	5.219134	5.472594
Sgk1	76.12296	79.05443	39.121	38.10565	29.51368	27.93573	27.34472	27.33914	25.77345	27.96736	25.2513	21.86227

Fam43a	13.27972	13.26636	25.89742	23.21159	22.42983	21.58537	22.04086	20.98731	18.6832	18.56294	33.61313	32.33915
Jup	33.47422	41.80199	23.62531	20.04366	16.69904	16.04419	17.41666	14.72548	12.77215	11.50555	18.13384	16.15655
AA414768	1.794318	1.417349	4.978435	4.870076	4.455048	3.30639	4.262943	3.355639	3.068647	2.79607	3.739929	3.65741
Skida1	2.362475	2.135374	3.402697	3.41646	5.173137	4.751025	5.194079	5.044424	6.62358	5.94898	4.866831	5.008272
2610008E1	2.770064	2.841514	3.905039	4.326478	4.357684	4.337701	4.777242	4.865134	6.642268	6.83452	6.170141	7.532713
Armc7	1.739996	1.949819	3.817721	3.380709	3.325002	3.015444	3.543282	3.338762	2.198588	2.179627	4.27059	3.793851
Asna1	219.4519	187.2484	173.698	177.1263	157.4351	152.6582	131.4793	142.5884	108.3976	101.7697	114.4394	112.5906
Smox	3.014164	3.06554	5.405991	5.374024	7.120572	6.826098	7.290994	7.787398	8.764023	8.699005	9.516112	9.34118
Trim68	2.075791	1.986922	3.132481	3.440831	3.515689	3.396378	3.132426	3.786249	4.380642	4.270685	5.425858	5.903151
Stk40	14.53667	14.98095	21.47944	21.27247	22.33095	21.04329	20.40075	19.87602	16.63377	16.65258	30.00312	28.93781
Rit1	3.123278	2.472742	3.721449	3.364466	4.0429	4.329127	4.29828	4.972078	5.097225	5.195986	6.626154	5.846244
Grtp1	30.25696	27.91484	25.15415	24.61349	24.89423	23.86382	22.68467	25.11504	19.82072	19.51106	13.29858	14.4536
Plekhh2	2.119682	2.269319	2.770621	3.060093	3.941623	4.08555	4.412645	4.097297	4.560395	4.976025	2.47619	2.863819
Dlgap4	11.68776	13.13553	14.82602	14.59327	16.98778	17.4279	18.60038	19.32265	22.11175	19.79584	25.24638	25.35521
St6gal1	3.262279	3.668805	5.155457	5.448053	7.998363	7.791735	10.98366	9.464947	9.081569	8.724711	5.42708	5.650741
Mcee	11.14788	8.581504	7.278928	5.788451	7.092162	7.464964	5.755815	6.029019	5.678071	5.319175	3.409123	4.29699
Zmat4	3.53636	3.311602	0.679391	0.515922	0.549289	0.635391	0.764891	0.806894	0.993155	0.895833	0.624779	0.61745
Slc5a3	1.214049	1.766069	1.747646	2.010982	1.898532	1.799091	2.415046	1.893923	2.727223	2.972511	3.082293	3.123536
Stat5b	2.847465	2.752455	3.810668	3.798833	5.439764	5.355508	6.263292	6.55402	6.540003	6.594684	6.363129	6.188822
Gm13375	1.560284	1.512078	1.672214	2.107455	2.402535	2.668555	2.646522	2.19518	2.455268	2.722718	3.363727	3.658402
Schip1	32.80162	31.46211	13.28831	13.17227	12.73243	12.73399	12.45624	13.43623	12.13929	13.58847	21.96101	22.09809
Batf3	0.737184	0.446785	2.361924	1.990182	4.04546	3.452897	3.329198	3.422877	2.101999	2.597584	3.809449	2.766433
Gm13157	22.98991	22.06576	15.40117	16.51113	12.80684	12.0013	10.54186	11.764	10.89975	12.20744	9.488668	9.517256
Muc1	1.088091	0.979033	2.171363	1.946314	1.391732	1.476042	1.269976	1.21244	1.236304	1.280278	2.296966	2.102974
Tmcc1	2.68575	2.778113	3.960941	4.369274	5.156288	5.072672	5.83543	5.939767	6.675973	7.578447	6.930175	6.928896
Ypel4	0.856405	0.955761	1.007526	1.376918	1.490022	2.074497	1.943153	1.912942	2.173257	2.38689	1.597694	1.445039
Dyrk2	6.711426	7.227479	7.844527	8.827891	9.525837	9.951421	11.21341	11.05335	15.6529	15.29472	14.88378	15.17554
Ngfrap1	140.1357	120.384	175.0832	170.5442	186.9672	192.1997	185.0239	163.3567	192.6827	156.1638	295.2644	270.3058
Ech1	54.25405	43.16539	42.5008	41.36832	40.48729	39.97061	32.47774	37.3975	26.81501	24.65569	24.66512	23.90265
Cpxm1	4.30932	4.158234	7.642885	7.297694	9.883629	9.192866	14.36898	12.20208	12.61642	12.62985	12.51316	11.89855
Prkce	0.797434	0.843507	1.376878	1.685719	1.861322	1.645534	2.181965	1.955918	2.711194	2.846841	1.988592	2.146134
E130307A1	1.3086	1.96397	2.38009	2.308331	2.386062	2.309456	2.610765	2.625092	3.565683	3.992101	2.514716	3.294526
Chn2	1.222646	1.448219	3.323983	3.379851	3.903504	4.060751	3.630599	4.681996	3.144102	2.832843	3.109746	2.707956
1700018B2	2.38465	1.971323	3.701191	3.70895	4.357327	5.745244	5.199594	6.412558	5.653308	5.53863	5.134878	5.082634
2700081O1	5.888549	5.667097	8.923481	8.84972	9.806565	10.04151	10.70646	10.66229	13.60818	12.76318	15.05101	15.29999
Fam199x	3.093236	3.652212	4.485802	4.241364	5.308051	5.031664	5.737568	4.636448	7.168232	7.326709	5.830074	6.614842
Neo1	8.535457	10.53368	14.89668	14.99945	16.05495	16.23385	20.33634	17.27617	25.38604	25.90975	25.79254	25.70392
Cbfa2t2	24.29134	29.9826	19.17765	18.77628	15.28276	14.19215	13.44642	12.81907	13.42093	14.92972	11.12914	10.86983
Zdhhc21	4.356152	5.341058	7.185057	7.451051	6.909463	6.630403	6.816964	5.717325	7.402698	8.325653	9.328368	9.87381
Tmem74	0.436649	0.547934	0.666072	0.87032	0.931076	0.842915	1.139364	1.305401	1.014688	1.315665	0.557307	0.761912
181003711	60.8082	49.8453	47.07998	42.47096	46.50959	44.65881	41.10063	42.72323	27.52858	25.86491	29.20289	27.87581
Mboat1	0.745509	1.099725	1.427089	1.218942	1.418293	1.389621	1.380777	1.375588	1.568126	1.644774	1.809396	2.10457
Sgpp1	1.686685	1.865684	2.918861	3.060181	3.860254	3.986627	4.339412	4.187583	4.791062	5.282908	5.297033	5.23051
Tab2	24.79239	27.56569	29.53162	30.36761	33.05045	33.49015	37.10121	36.30594	51.29222	52.41415	44.22343	45.37144
Slc36a4	0.779135	0.837956	1.988112	2.056712	2.846185	2.753571	3.109041	2.974484	3.760463	3.549627	3.025602	3.217631
Ras10b	1.384837	1.27727	12.99005	12.78115	19.21737	19.11265	18.85172	18.2029	11.44748	11.07523	11.74669	11.46504
Rgs22	1.233677	1.486469	0.937492	0.666943	0.71396	0.588409	0.535119	0.503067	0.545886	0.588352	0.511233	0.386489
4933426M	14.17545	15.27265	18.42684	19.33504	22.72667	22.79552	29.72034	26.39027	33.3948	33.3564	28.77376	30.23572
Ccnd1	24.62832	24.56645	15.36797	14.86512	10.76172	11.04584	10.28433	8.621539	8.670105	8.633814	8.850403	9.92539
Dnajb3	0.536437	0.62506	1.439886	1.435695	1.725105	1.606345	2.408624	2.229643	1.758631	1.324074	2.757541	2.282361
Gnao1	1.07147	1.260345	1.395096	1.577801	2.320499	2.141246	2.990299	2.423226	2.78825	2.719658	2.68105	2.523762
Cabp1	5.236144	5.802101	6.698023	6.902314	6.136126	6.09122	4.521047	4.857292	4.466043	5.094567	10.5138	8.371781
Ddhd1	3.385377	3.796247	4.238632	4.524904	4.995373	5.152341	5.69976	5.909817	6.987894	7.791025	7.395137	6.978811
Rassf10	0.611278	0.580718	1.363241	1.066805	1.158376	1.167796	1.353055	1.836611	1.780596	1.796874	2.039926	1.691202
Cbx2	7.426264	8.086858	13.37366	13.64365	16.18826	14.67956	18.01843	17.19814	23.60278	23.47975	24.4419	22.63863
Tmem9b	6.052859	4.64025	6.815539	7.61795	8.941128	8.784308	9.96908	10.85009	10.15228	10.07823	13.6528	13.10776
Adnp	1.067436	1.546846	2.812089	2.250966	2.110963	2.693326	2.418448	1.586943	2.250798	1.709707	2.898651	2.730445
Hspb2	1.55981	1.159674	1.230644	1.033435	1.26961	1.028668	0.713149	0.836912	0.792841	1.0785	1.828797	1.43989
Tceal5	0.328334	0.326314	1.680229	1.789939	1.852049	1.595009	1.972568	1.436539	1.069648	1.040505	1.147343	1.060123
Bckdha	40.02886	36.29619	36.02515	32.05638	26.33594	26.86895	23.11711	26.64525	18.83207	18.63875	19.99856	19.71211
Acot13	36.13493	29.67007	19.53468	18.83832	19.77658	19.82249	17.08787	16.70574	20.77261	18.96805	11.57409	11.53031

Tap1	1.345459	1.483718	1.652388	1.596266	2.29122	2.697857	2.72313	2.744199	2.76473	2.578811	2.436112	2.707103
Tspyl5	0.90428	0.643908	1.128469	1.140051	1.280122	1.250985	1.249606	1.216112	1.282349	1.249304	2.073661	1.958937
Myo5b	0.492743	0.593318	0.569436	0.628086	0.719853	0.61358	0.840762	0.903295	1.183879	0.971568	1.206261	1.053939
Ggct	4.111252	3.173831	2.823619	2.528221	2.512755	2.679585	2.242828	2.390695	2.087711	2.003822	1.701869	1.560101
Pag1	0.50631	0.624631	0.88397	1.036386	1.453396	1.41343	1.931441	1.73708	1.553782	1.778849	1.407852	1.375257
Alg8	4.336858	4.337315	5.57232	5.876099	6.353321	5.379642	6.823142	6.912137	8.823119	9.232709	9.368237	8.235646
Kdm8	2.35681	2.336945	3.827636	3.301504	3.463951	3.524592	3.787719	3.144123	3.721051	3.098513	5.787047	5.316564
Rab11fip1	3.10396	3.620086	5.67741	5.80142	6.067233	5.568219	6.652444	5.925318	7.010089	7.027261	9.450182	9.549618
Ezh1	7.13953	8.664354	6.130341	6.383808	5.614959	5.511758	5.550229	5.91548	5.213602	5.674401	3.590684	3.722921
Rab8b	3.9994	4.570988	5.541374	5.838728	6.822772	6.484976	8.171765	7.233125	8.958463	8.993791	9.27931	10.01019
Ubxn8	6.213432	5.546896	11.75654	10.94247	10.26706	10.14591	10.19439	10.54801	8.772449	7.99022	14.67619	13.69145
Fam65a	4.299786	5.471337	6.701921	7.076495	7.992901	7.65017	9.669818	7.676211	10.73976	10.95116	12.6859	12.12384
Gm14458	0.470596	0.396903	2.128935	1.096933	1.458493	1.56101	2.366649	1.806792	1.570074	1.56086	1.94522	1.879122
Ccdc120	5.22921	6.517331	11.42631	11.75849	9.957039	9.269501	9.347714	9.621975	7.196735	6.86473	8.649486	8.530079
Abca5	0.693173	0.862441	1.848139	1.793958	2.336132	2.256931	2.779684	2.357305	2.53161	2.823888	2.532832	3.070162
Lancl2	8.020169	8.204485	14.3942	14.67597	13.86024	13.72435	14.62613	13.09439	12.60149	11.62712	20.89624	19.88054
Tnfaip8l1	0.532872	0.585947	1.073336	0.832962	1.125396	0.783974	1.189244	1.339623	1.190247	0.952393	1.050449	1.170873
C130074G1	0.645414	0.623109	1.068172	1.15508	1.539238	1.489526	1.373154	1.775853	1.040164	1.039787	1.681883	1.615516
Cers4	3.216855	3.956921	1.667582	1.684704	2.040952	1.903277	2.286472	2.394055	2.174165	2.237723	1.444426	1.402249
Slc13a4	0.506284	0.437523	0.666732	0.918131	1.051561	0.948067	1.586419	1.340232	1.836763	1.566951	1.310664	0.921883
Fam184a	0.822034	0.901351	1.73624	2.018263	2.347076	2.412833	2.306021	2.82087	2.365423	2.640967	1.548485	1.652999
Foxj2	1.175749	1.368018	1.348334	1.477677	1.803024	1.571403	1.912449	1.596834	1.900369	2.069283	2.502264	2.520637
Znrd1as	13.90654	12.67795	11.376	10.92229	10.54632	10.56149	8.915938	8.224715	7.359142	7.835838	6.120295	6.408513
Arhgef5	0.807635	0.949768	1.54879	1.839915	1.318827	1.500583	1.240434	1.079768	1.204033	1.384943	1.716561	1.553137
Syce2	40.27401	34.61289	22.84904	21.13248	18.92368	20.83897	14.81797	15.01081	14.06176	14.14795	12.48738	12.40433
Sema3e	1.962344	2.296814	4.058486	3.96218	3.668385	3.422244	4.018246	4.00638	3.43786	3.300069	5.406518	5.618718
Ntpcr	12.70301	11.55764	9.661928	8.668807	8.225001	7.429842	6.422633	7.826835	6.74032	5.591955	5.214428	5.092316
Man1c1	1.296397	1.826311	2.684301	2.279571	3.087791	3.010935	3.21381	3.031699	3.64701	3.87958	2.630864	2.631312
Evl	11.46375	11.8991	15.95105	14.77965	19.03248	19.22488	20.13079	20.99457	23.90525	19.76888	23.69077	25.13177
Tln1	13.0724	18.55076	60.93217	57.25865	48.23605	46.32018	49.6656	39.37327	33.25737	33.67664	55.44124	53.73524
1600014K2	0.482098	0.356163	0.765782	0.62753	0.988215	0.959411	0.717419	0.898052	1.093968	0.84043	1.19806	1.066854
Trap1	130.01	117.3447	107.8615	104.5966	94.97111	91.63301	80.3105	93.69378	69.09398	70.16023	62.60498	61.52507
Cdc14a	2.394905	2.095618	3.358978	3.259624	4.174929	4.329067	4.7549	5.181286	5.001722	5.414485	5.096829	5.541107
Neu3	1.725282	1.976634	3.642761	3.566613	3.876544	4.314777	4.940007	4.26447	3.22282	2.77968	2.50236	2.539506
Atrn	2.472644	2.971534	4.159533	4.301491	4.166102	4.074442	4.496837	4.351753	5.17976	5.67215	6.644327	6.922444
Fam63a	21.88698	22.49614	17.17462	15.04293	12.6198	12.02541	11.35835	12.72069	9.58738	8.860905	9.942466	9.867528
Ralgds	5.941903	7.09661	7.563233	7.030905	9.107804	8.237823	9.849522	9.907037	10.44006	10.5664	12.4674	11.93317
Ssbp3	35.32038	36.9519	53.86225	53.35009	71.44473	71.07422	97.31141	83.15791	96.06873	90.53988	87.38274	84.42336
Pfkl	87.58529	83.02134	43.7041	43.50706	51.16184	45.33539	48.34261	49.85754	53.58335	59.96278	38.14026	35.37273
Rasl11a	3.239036	3.434343	6.121709	5.475735	6.367625	6.005752	8.125693	7.159094	9.900126	8.54155	9.104756	9.282151
Gm1821	103.5405	85.84809	50.28949	81.58461	100.8421	108.9349	104.2097	64.32338	95.20411	84.28967	99.74736	73.15274
Zmym6	9.714016	9.142822	6.842873	7.412828	7.10803	6.935441	6.715096	7.558849	7.128572	7.881541	4.360942	4.654462
Camta2	2.777416	3.578837	5.226428	6.140831	5.751373	5.38073	5.33624	5.059055	4.122968	4.285025	3.919342	3.626831
Usp47	18.20786	18.30355	25.53528	25.68796	31.61398	30.61901	34.98402	36.10627	39.14742	43.47076	38.8388	40.9974
Serpini1	1.83731	1.562146	0.89613	1.002678	0.753361	0.806621	0.977598	0.95086	0.731666	0.91724	0.563257	0.592519
Neurl1b	0.149751	0.177307	1.009806	1.068723	1.299625	1.064833	0.9869	0.98349	0.608276	0.631631	0.775416	0.725497
Phb	158.8777	139.6582	131.8432	125.0524	117.5597	114.0198	104.1888	112.2049	82.7874	81.80126	75.15055	73.92184
Col18a1	35.43275	42.41208	51.47891	48.14123	56.77236	55.36973	69.91932	64.08176	83.13328	79.12803	85.59233	81.43578
Cdkl5	1.886812	1.933327	2.313462	2.365927	2.699682	2.85956	3.031085	2.653937	3.514244	3.829151	3.846443	4.000828
Itgav	4.989126	6.056945	7.521668	7.381467	8.420722	8.275834	10.76464	7.886481	12.24175	12.47458	11.25019	11.97451
Atp6v0a2	7.444545	8.414022	9.908813	10.53063	9.733253	9.284567	10.18306	10.85131	10.27512	10.78573	15.09776	15.68978
Lama4	0.18664	0.22995	0.484385	0.651389	0.932024	0.818695	1.189767	1.100749	1.000018	0.872444	0.852027	0.77492
Tpi1	336.1283	262.9679	110.503	114.2878	127.0291	115.6212	110.5354	117.6781	138.2435	161.1494	104.0809	95.38225
E130311K1	1.585479	1.124803	2.182118	2.188	2.64189	2.333639	2.285138	2.514819	2.441303	2.207086	3.767343	3.696631
Cnih2	4.074344	4.158888	5.961818	6.053764	7.131678	7.598132	8.038008	6.706124	6.796758	5.507861	9.606326	9.304756
Igfbp3	8.127379	6.874399	11.17132	11.51925	14.86577	15.11281	18.41376	19.45536	14.43192	15.3056	14.06321	12.18657
Sema6b	0.570536	0.942626	1.070983	0.977338	1.15125	1.113503	1.029485	1.023352	0.935954	0.799692	0.777006	0.659439
Usp22	35.98782	40.9447	47.78374	46.54835	53.04072	50.91467	60.24018	54.04408	68.53655	70.50433	77.20706	78.52814
Wfdc2	26.64302	23.98545	18.14348	15.09122	17.41325	16.77552	13.96971	12.3654	13.20963	12.88152	14.2646	9.945798
Ankrd50	4.577782	5.237016	6.285784	6.349945	7.549381	7.055957	8.866925	7.712306	9.731951	10.7103	10.14594	9.978295
2610015PO	4.854026	4.747495	3.416278	3.854528	3.18767	2.90874	2.614823	3.286525	3.051987	3.012513	2.317235	2.285574

Arfgef1	8.636422	9.858801	11.75406	11.84928	13.14087	12.22546	14.87136	14.08431	18.52575	19.98269	19.36302	19.73184
Des	3.276942	3.95002	5.734735	5.574707	7.74875	6.970441	9.577751	8.791449	6.521857	6.987562	11.28382	9.399002
Gtf2ird2	1.661087	1.738586	2.116741	2.127865	2.151937	2.029971	2.055661	1.911294	2.081462	2.009042	3.444276	3.220526
Slc18a2	0.482983	0.610827	0.564385	0.655757	0.72588	0.634015	0.912995	0.628509	0.979452	1.058623	0.936458	0.981092
Capg	9.54234	10.15563	4.958609	4.788526	3.956471	4.232983	4.094568	3.715891	3.384668	2.844628	3.744515	3.688946
Zbtb7c	0.873445	1.207486	3.984367	3.996184	3.129568	3.278646	3.677963	3.179864	3.268375	2.967504	5.338261	4.993793
Zglp1	3.494063	3.794568	3.536914	2.723271	3.169946	3.210652	2.679644	3.062602	1.602832	1.937231	2.088663	1.908132
Vmac	7.965351	7.00961	5.506038	5.505008	5.947689	6.104449	5.550708	6.618306	4.307656	3.934386	3.14346	4.007296
Gsk3b	7.680198	10.01688	12.20255	12.72623	13.71957	13.48268	16.60742	14.04376	20.71272	21.39871	19.49895	21.04745
Abhd5	2.751877	2.593743	4.383045	4.055841	3.981477	4.06258	4.434284	4.216108	4.191049	4.052437	6.39814	6.812031
Gchfr	3.182621	2.490943	1.394525	2.345482	3.092523	2.741169	3.413327	3.487783	4.261371	3.940094	3.705783	3.910225
Sohlh2	31.15107	29.1945	62.23621	61.90007	74.72602	73.65682	92.27384	93.3575	101.6101	103.9515	97.52698	91.3648
2310003HC	4.639355	5.09343	7.080271	6.014161	6.127762	6.514688	7.645701	7.578879	6.993755	6.694162	11.44441	10.09834
Mbd5	2.057722	2.268231	3.412384	3.519995	3.761684	3.758755	5.068414	4.423962	5.642325	5.909928	3.975126	4.329502
Fbxo10	2.231422	2.216195	3.625061	3.530848	3.849966	3.979506	4.724618	4.823215	6.094711	5.927091	4.559123	4.449667
Hid1	0.984391	0.988034	1.147042	1.304809	1.868339	1.513678	1.975901	1.80258	1.651871	1.477	1.204686	1.073863
9530082P2	4.036181	4.088524	5.32388	5.053285	7.183867	6.897489	7.854739	8.478171	9.29656	8.013542	8.449729	8.346002
Dennd2a	12.34599	13.89608	24.1771	23.92482	29.83859	28.85908	36.90836	36.43004	28.52095	28.2539	22.46481	21.71701
Scrn1	2.925069	3.365635	4.207466	4.531945	4.764664	4.305346	4.61941	4.16055	4.64622	4.791916	6.381135	6.977269
Mrpl15	39.28469	33.53978	28.30242	27.64045	24.42314	24.00616	21.73922	19.9935	18.21239	17.63604	16.90033	16.48557
Rpl30	163.9988	119.1724	75.51376	90.96492	103.2215	119.0988	89.1878	93.11239	82.72733	80.32241	77.87851	71.04473
Fbxl15	1.359917	1.708591	3.032706	2.791452	2.540307	2.534444	3.439797	2.955269	2.118552	1.763172	2.758257	2.933736
Abhd3	0.698982	0.75789	1.813128	1.692377	1.345291	1.761848	2.203383	1.791555	1.466368	1.412481	1.358557	1.06915
Kif16b	3.692212	4.217115	7.926681	7.329576	6.507468	5.790842	6.392094	5.932729	5.367049	5.672479	4.455354	4.374651
Tnfaip1	13.91858	14.34612	18.03122	17.02761	18.77718	17.4146	21.36326	20.63495	24.80154	24.33353	28.94617	28.52878
Herpud2	9.849947	9.949296	13.96542	13.05759	16.19128	16.11379	18.26012	17.18232	18.65738	19.07523	23.29432	21.87343
Sema7a	1.198984	1.123668	3.367869	3.089414	3.085361	2.713367	3.304471	3.654382	2.460161	2.181929	2.276938	2.303749
Adrb3	5.936987	6.609754	5.971815	5.127626	4.199672	4.321449	3.744795	4.594484	2.935072	3.062422	4.640341	4.657636
Slc12a2	9.37706	10.88933	12.12794	12.35488	12.82716	13.01847	15.63559	14.10326	16.10341	16.46826	20.35122	20.68453
Cotl1	40.40455	38.06328	104.9286	98.74833	148.8207	143.4142	160.4569	162.5378	115.9143	107.9479	108.0681	97.1029
Cxx1a	2.124474	2.534497	2.698629	2.741801	3.608919	3.664517	4.585691	4.588661	3.68272	4.14043	4.538495	3.739792
Dvl3	7.309392	9.123324	14.63476	14.73413	15.12962	14.70934	17.27551	15.4042	20.68289	20.22584	24.88331	24.61004
Glrx	7.43298	6.183905	4.155102	2.569771	3.519961	3.363139	4.127668	3.902687	3.904745	4.299214	3.558276	3.541022
Clip2	1.942757	2.406784	3.881381	4.185485	5.71734	5.601077	7.246324	6.999569	6.686291	6.895898	6.400713	6.510629
Ecm1	1.146701	1.308869	3.151167	2.432933	1.89679	2.162764	1.810931	1.455346	1.566339	1.472057	2.692083	2.049786
Nkx3-1	0.719073	0.708481	1.190803	1.280358	1.449737	1.274249	1.366117	1.613577	1.036221	1.309103	1.0273	0.965238
Tspan8	0.781411	0.669677	0.393512	0.627239	0.886655	0.831418	0.899406	1.046965	0.71045	0.746299	1.045441	1.048451
Asz1	0.343802	0.225567	0.97619	0.816247	0.884968	0.916428	1.058377	1.199158	1.10061	0.906198	1.521503	1.364304
Slc39a3	1.316278	1.366168	1.736701	1.551768	1.931747	2.045171	2.371576	2.592753	2.513354	2.179656	2.786913	2.472977
Adcy1	1.549498	1.789468	3.177942	3.258666	3.77456	3.833519	3.886562	3.543992	2.778515	3.084824	2.325369	2.294563
Gm15401	0.690869	1.183545	1.401171	1.465074	0.892069	1.251597	1.208824	1.100763	0.913722	0.999193	0.958242	0.877289
Dusp18	0.77946	1.012952	1.428313	1.271581	1.365052	1.493565	2.184399	1.902205	1.866201	2.122192	1.74959	1.821745
Eif4a2	445.9706	393.9022	265.8609	266.2235	292.3873	277.305	219.1129	260.8842	213.1706	227.4791	151.3873	166.1947
Flywch1	9.113129	9.511396	14.54432	13.39227	16.8586	16.08128	19.70361	20.3018	20.50061	20.14036	21.76751	22.34019
Sh3d21	0.667376	0.557876	1.657586	1.54783	1.039562	1.069479	1.282105	1.022269	1.144454	1.075149	1.379362	1.70514
2810008DC	9.558846	8.182986	7.419902	6.698402	6.370721	6.170009	5.026642	4.266581	4.577703	4.01902	5.823882	5.728722
Fam122a	7.919743	8.583173	10.84168	10.7891	13.52584	12.70067	13.34626	17.97942	16.71768	14.75466	20.6717	17.81457
Rel	0.655732	0.635856	1.318155	1.091994	1.159766	0.998255	1.205838	1.18884	1.03945	0.988665	1.573058	1.646827
Kcng1	0.567366	0.671129	1.514778	1.723178	2.343721	1.903501	2.169539	1.959959	2.838904	2.869829	2.734826	2.337461
Sesn3	5.923116	7.146038	10.21946	10.64255	11.80334	11.05269	15.99331	14.459	16.23854	17.7235	11.97445	11.42131
Zfp647	3.873925	3.942836	5.726236	5.256138	6.03705	6.086424	6.616319	6.995088	8.78383	8.000571	8.528264	8.749638
Obsl1	10.23794	11.00428	25.2184	23.29768	24.71266	23.6795	23.74316	24.13915	16.97374	16.29814	16.61409	14.50449
Csnk1g3	10.9053	10.96762	13.95427	14.05638	16.4147	16.05195	17.3185	18.45245	22.66484	23.38989	17.80046	19.94751
Cldn4	17.70168	19.18045	11.51606	9.93162	9.779175	8.057304	7.49729	7.850043	8.487301	8.241508	15.83311	13.05731
Snx9	9.101422	8.552688	15.39213	16.29532	15.63476	15.4667	16.60234	17.04788	15.99524	17.12241	27.05275	25.7213
Map4k5	8.300794	7.851947	11.85936	11.64851	12.33169	12.69613	13.28853	14.28519	18.41151	18.86723	18.76027	19.35261
Tfe3	15.35204	16.61664	12.74649	12.10582	10.28758	10.29732	10.07878	9.820759	7.69724	7.287459	9.239111	9.407016
Dzip1l	3.689103	3.976267	5.865608	5.977617	7.781746	7.552864	8.140859	8.457624	8.169853	8.907869	9.945724	9.925666
Gan	3.505756	4.298754	6.518393	6.044233	6.41589	6.056657	6.586909	5.385878	6.193619	6.814619	9.238418	8.941355
Tex13	1.915559	1.95437	6.811327	6.305961	6.91236	7.321441	9.810084	8.460883	8.670882	8.571682	10.19822	10.46766
Gm15455	0.196744	0.240526	0.808758	0.958327	1.134049	0.796696	1.264191	1.263708	1.291729	1.322349	1.842986	1.234515

Gpr98	1.079029	1.176758	1.605245	1.824327	1.552937	1.684619	1.922141	1.77648	2.582727	2.795905	2.481948	2.721753
Chst3	0.296803	0.257165	0.888798	0.749193	1.081854	0.985277	1.243909	1.243037	1.186061	1.241338	1.120427	1.13516
Gyk	6.895049	6.436171	5.179777	4.735947	4.814985	4.648391	3.946689	3.617621	3.381415	3.302254	2.87763	2.854539
Fam217b	0.675087	0.84012	1.579455	1.805889	2.218053	2.083241	2.331357	2.497652	2.117667	2.185672	1.339022	1.505748
Efr3b	1.265909	1.56609	2.074788	2.214048	2.7369	2.721855	3.340986	3.307255	3.32677	3.268389	3.493232	3.670149
Satb1	5.309984	6.511863	7.282315	7.973568	7.907299	7.578586	8.445432	7.867485	11.99849	12.56014	7.414543	8.06373
Ust	1.233634	1.300912	1.425435	1.758488	2.327393	2.240175	2.947204	2.297406	2.743399	2.91363	2.411431	2.718392
Tmem129	4.242114	4.191046	5.3674	5.33753	5.817564	6.07235	5.990502	6.513133	8.049742	7.621239	8.785878	8.843631
Tsks	1.181411	0.967189	0.504235	0.598877	0.404008	0.477346	0.549022	0.534025	0.33227	0.627102	0.259428	0.378525
Atp11a	5.08037	5.247297	7.09734	7.402664	7.631203	7.509517	8.696736	8.766238	11.31413	12.2631	9.75462	10.3381
Tgfa	0.442942	0.475384	0.960628	1.132821	1.672254	1.184328	1.573325	1.451783	1.828232	1.875369	1.681865	1.816259
Zfp442	1.711419	1.854539	2.007424	2.295559	2.437775	2.32223	2.661727	2.919168	3.451555	3.798205	2.613163	2.889002
Rad51b	3.425205	3.014716	2.753052	2.698838	2.106495	2.747506	2.263732	2.717705	2.429567	2.484911	1.565745	1.660669
Gng11	0.596765	0.311264	0.503791	0.934865	1.373396	1.167281	1.564335	1.544484	1.003691	1.229998	1.504585	1.240527
Tmem219	2.940445	2.147783	2.333525	1.930354	2.000172	2.143035	1.369733	1.718739	1.60439	1.710991	1.662512	1.297268
4933404O1	9.970709	11.2327	8.233985	8.306178	7.387482	7.39184	7.095157	6.237919	6.906861	7.333841	4.814671	5.028691
Srrd	4.717075	4.025058	6.713034	5.819237	5.226328	6.171257	5.55513	5.531161	6.664956	6.355691	10.43547	9.133943
Ndn12	3.921533	4.238492	5.116006	4.722094	5.549425	5.227586	5.49333	5.154907	7.435567	6.547304	8.747418	7.794942
Atpif1	66.79291	41.07702	19.18696	24.20039	30.19147	33.92914	21.97566	23.94196	24.97237	23.81188	22.80841	20.55554
Emc9	0.993844	0.918808	1.755069	2.32195	2.190772	1.934188	1.663783	2.229112	1.763992	1.622836	1.709921	1.408276
Ctdspl	1.826031	2.203504	4.803506	4.729572	6.228108	6.072587	7.307246	6.607759	7.49233	7.699091	7.540939	7.797946
Csgalnact2	2.38946	2.00028	3.320933	3.081258	3.692476	4.008416	4.080332	4.167352	3.887087	4.02223	4.819407	5.080164
Xlr3b	1.481813	1.482666	2.884763	2.580049	3.052453	3.305756	3.598211	4.252754	3.415833	3.448581	2.464201	2.917677
Armxc2	15.25523	14.42251	22.26002	22.53349	32.94803	31.74333	37.24753	37.1409	27.39815	28.77049	22.16164	23.24885
Klhl9	5.990843	6.836626	10.53002	10.23936	11.26695	10.39054	12.17612	10.82412	13.25808	14.77482	15.70663	16.87457
Sec63	10.49545	11.3409	12.97555	12.96504	15.72402	15.25906	17.56978	17.34984	21.46185	21.35233	17.46744	18.96944
5330426P1	0.515309	0.611691	1.264437	1.323923	1.502249	0.984941	1.028717	1.343221	0.829102	0.815884	1.07628	1.009415
Slc6a15	3.734569	3.657222	1.177762	0.853232	0.817332	0.759787	0.696029	0.656114	1.066567	1.080085	0.834545	0.706072
Tmem158	2.001736	2.156936	2.867354	2.827478	3.742284	3.546694	4.366208	4.654238	4.443526	3.606306	4.209859	3.790072
Lrrn4	2.986148	3.201092	4.234763	4.168555	5.421402	4.919413	6.285318	5.967196	6.485443	6.855	6.712968	5.689833
Hnf1b	0.489608	0.520595	2.108259	2.189957	2.912282	2.544215	4.319978	3.601241	3.556567	2.97874	2.641686	2.609444
Nme7	32.46897	28.21834	22.1449	22.74953	21.42699	21.12194	20.05814	23.82691	17.48937	17.82624	14.29651	14.49333
2610307P1	0.604775	0.837513	0.961999	1.053692	1.055413	1.287714	1.520382	1.578945	1.896794	1.732042	0.899748	1.710942
Arid1b	3.560953	4.790559	5.812754	6.341842	6.996593	6.60396	8.046525	7.035236	8.993871	9.14387	10.98617	10.42169
Gls2	12.81029	12.2015	8.619345	8.928931	9.067083	8.326377	7.391	8.105657	6.690895	6.533102	4.967429	5.437074
Lcor	2.789942	3.954504	3.911918	4.67957	3.821764	4.036991	4.096268	3.829265	5.042712	5.335528	5.930317	6.287835
Camk2a	0.409513	0.4837	1.103031	1.313648	1.256454	1.197033	1.49393	1.49937	1.345651	1.155469	1.814827	1.89683
Slc25a30	7.901157	9.185359	9.682645	10.87714	12.3366	12.98205	14.35729	15.02714	17.01877	17.85181	15.57023	16.14292
E130308A1	2.240845	2.696436	3.002387	3.363514	3.509252	3.562653	4.056912	3.293993	5.174378	5.403623	4.215195	4.307678
Hdh3	1.605511	1.489578	2.448046	2.323965	3.210202	3.308848	4.064984	3.811597	3.311805	3.515499	2.002549	2.486417
Sgsh	0.587723	0.558837	1.098735	1.174269	1.501762	1.50998	1.642654	1.925455	1.840411	1.704244	1.807592	1.4565
Rhog	5.203608	6.215752	8.243347	7.114827	9.513624	9.908832	11.39448	10.57259	12.52573	11.66563	13.22915	11.26613
Nek6	7.376172	7.763554	10.97579	10.31097	10.59881	10.90153	10.61609	11.25406	9.987614	9.356495	15.47121	15.33519
Ciptm1l	23.16085	23.38097	28.17029	27.28197	28.13915	27.03585	32.88656	33.50465	33.85045	32.28378	46.84943	44.29975
Wdr34	18.98881	17.03897	14.92944	13.90545	12.0589	12.70943	11.56885	11.36798	9.974388	10.26972	8.999295	8.490865
Fam162a	108.5793	86.07308	57.63593	56.76238	65.44636	63.60626	66.87777	69.96851	66.15391	63.96475	49.04658	42.72708
Slc25a18	0.840728	0.940584	1.280102	1.275795	1.606221	1.393847	2.018591	1.919939	1.482203	1.711069	2.03343	2.088914
Eea1	3.534992	4.289136	5.099291	5.381996	5.609387	5.279349	5.698359	5.376916	6.61325	7.141166	8.50943	8.643997
Speg	0.66082	0.780024	1.367935	1.460781	2.019207	1.981797	2.061818	2.317103	1.333884	1.415377	1.633565	1.515011
Slmap	22.25771	25.02122	34.53933	34.25026	33.82157	33.1397	36.73163	37.58097	47.94987	47.49868	51.60483	54.25094
2010204K1	18.75736	16.36288	11.36283	11.43969	9.489687	10.38646	9.076819	10.53848	7.584996	7.631374	8.008876	6.989037
Svip	3.109227	3.091599	1.94331	1.905483	2.121258	2.147762	1.702702	1.884489	1.505754	1.653085	0.954762	1.312608
Tnfrsf10b	8.903459	11.43892	14.12418	15.1855	14.41014	14.98795	17.03681	14.49909	17.10354	17.26936	24.52625	23.72054
Asb1	1.896508	2.336095	3.84836	3.680104	3.86759	3.772418	3.424697	3.056899	2.333823	2.306483	3.228929	3.117069
Tmem206	3.528171	3.708936	4.402375	4.5468	5.417395	5.229335	5.428327	5.112394	6.827753	7.256518	7.64791	7.435325
Lgr4	31.2263	34.58439	15.7069	15.79396	15.94879	15.66684	17.53221	15.87553	26.28955	25.60872	20.72801	21.5192
Homer2	1.255689	1.123216	2.057022	2.163444	2.611208	2.626841	2.841643	2.386178	3.646871	3.454443	3.378851	3.535877
Nubpl	6.354384	5.701559	4.561848	4.986867	4.475311	4.733556	4.373758	4.095183	3.667933	4.108556	3.07901	3.05213
Asph	6.450984	6.875995	7.895611	8.328886	9.51252	9.7438	11.06693	10.95012	14.22395	13.60797	11.52083	11.78409
Dpf1	4.578091	4.493049	3.650289	3.558942	2.924229	2.782592	2.16551	2.960027	2.285111	2.178929	2.802759	2.52864
Zfp703	0.27464	0.274348	33.81526	32.88309	50.07758	49.37889	70.65654	51.88856	36.49622	31.76969	48.82633	43.87694

Tenm3	4.59591	5.705897	7.786363	8.017333	8.225951	8.064454	9.738151	8.03262	13.02096	13.09399	10.9966	11.51959
Dennd2c	11.98808	13.2178	9.903757	9.86475	7.420722	7.167015	6.935809	6.494937	5.981325	6.26154	5.761221	6.040606
Slc27a3	6.897378	6.63147	12.69346	10.68503	12.14507	12.81301	15.25495	15.6789	15.23173	13.54258	18.37966	17.44942
Gm15800	3.518671	4.730376	7.186757	7.247127	5.819383	6.215438	5.886832	5.400522	4.262272	4.67743	4.546514	4.438433
Nfxl1	11.25263	11.60478	13.78484	14.02797	17.05811	16.91941	17.68071	18.81249	23.10315	22.90405	16.31567	17.49008
Arhgef40	1.421435	1.699754	3.300103	3.376331	4.620475	4.289887	5.239459	5.511323	4.666686	4.825305	5.578586	5.432217
Ldha	728.6949	577.8184	199.9506	214.233	225.8081	206.0582	178.2348	205.6738	280.8384	335.6616	231.6148	215.9116
Psen1	13.26389	15.1068	17.76292	17.9626	19.66127	19.08913	23.1508	19.922	26.77614	25.29425	31.04575	29.31394
Rom1	0.804685	1.221801	1.508484	1.669846	1.981189	2.224993	2.787181	2.364853	2.682671	2.646042	2.820373	2.724886
Ly75	8.554126	10.1395	5.722535	6.097429	5.246313	5.193927	5.259383	5.195381	5.840855	5.881702	3.80721	3.737554
Rab32	0.602301	0.485265	1.08089	1.153128	1.166164	1.404896	1.433779	1.000483	0.942961	0.86137	1.440219	1.117777
Aldh6a1	9.470831	9.412194	7.655935	7.587555	6.892174	6.622292	6.746229	6.889743	5.654777	6.343131	4.230773	4.6527
Cdc42bpa	3.939146	4.815225	6.522281	7.037708	7.912647	7.411806	8.820943	8.211077	9.222468	9.637331	10.76907	11.46803
Mpzl1	26.64923	26.02552	36.45332	34.08901	41.73509	42.36545	48.99917	48.81657	54.91053	55.54198	50.64362	49.70394
Ndufb4	49.85001	36.38375	20.00377	24.59581	26.22948	28.97773	22.69339	19.2102	20.71919	20.17697	19.54104	17.79338
H1f0	15.46996	13.95157	32.73105	31.25828	45.67436	43.50222	51.49194	50.90418	41.39145	39.9446	52.3099	47.82447
Fndc9	0.661023	0.944449	1.861513	1.422444	1.239945	1.458419	1.218403	1.023299	0.903313	0.895878	1.047824	0.911666
Cttnbp2nl	7.248157	8.453215	9.341527	9.723045	10.97735	10.15679	11.3991	10.3191	10.76636	10.77886	15.93704	15.82817
Smpd1	3.15019	3.442691	5.533265	4.815588	5.773464	5.277888	6.486312	5.928852	7.548299	7.837715	8.692861	7.532092
Tmem256	37.08062	27.12992	16.40282	17.31634	22.85553	25.40986	17.77438	25.52363	17.78114	17.09028	16.31979	15.68921
Ankrd27	23.98396	26.79161	19.90781	18.75161	19.0038	17.8788	15.76626	17.44935	14.88856	15.8839	11.89287	11.53482
Ncf2	0.584283	0.639725	0.643407	0.778575	0.678171	0.862645	0.858345	0.794357	1.01179	1.26565	1.225889	1.100406
Lat2	0.576516	0.322097	1.093331	1.083781	1.190853	1.042253	1.125052	0.871946	1.22945	1.22491	1.059818	1.417184
Zfp516	11.12048	12.83707	14.21591	14.25301	15.7184	15.37483	18.19103	16.35646	22.74021	23.16218	18.54874	18.47526
Coq3	10.65796	8.123264	7.403328	7.030654	7.347917	7.476578	6.637364	6.912498	4.378759	4.600927	5.600383	4.973249
Uvssa	0.936021	1.151026	1.562646	1.495354	1.681945	1.57769	1.704162	1.695301	2.455596	2.428136	2.153557	2.287672
Tmed3	5.159215	4.5217	7.397275	6.856814	9.213943	8.821217	9.921175	11.01184	10.61859	11.13052	11.92792	10.93996
Ccdc71l	2.34777	2.313311	4.126134	3.964518	5.386146	5.40371	5.762317	5.316762	5.462722	5.062677	6.451807	6.435344
Suv39h1	10.64549	10.12896	14.77914	14.5505	16.11012	15.88265	17.67961	17.20666	22.17212	21.86138	24.18191	23.61342
Pqlc1	3.059717	3.189297	2.544748	2.147668	1.693424	1.538647	1.413108	1.323514	1.29814	1.50145	1.626808	1.581852
Amigo1	1.044118	1.187859	1.617425	1.44269	1.571541	1.724141	1.680565	1.820994	2.351449	2.338782	1.925415	1.605802
Yod1	0.881969	0.906453	1.438578	1.310542	1.340297	1.464454	1.502019	1.208388	2.012576	1.95827	1.888532	1.918892
Mettl18	10.23585	7.974939	6.505568	6.270677	6.789823	5.772339	4.793546	7.124541	5.678005	5.712374	4.924898	4.400216
Ring1	4.476847	3.702184	6.44942	5.822736	6.016194	6.316578	7.001227	6.648075	8.281036	7.082394	10.72735	9.423304
1810022K0	96.72929	68.87651	41.18164	45.21814	47.01539	56.5108	40.90115	41.55762	40.1295	36.45942	33.93715	34.93037
Raet1e	2.258024	1.996843	4.323601	4.494844	4.644024	4.63131	4.849332	4.778722	3.351674	3.463688	2.833582	2.954239
Elovl4	3.534127	3.406923	6.461781	5.965187	8.503374	8.041504	8.955109	9.385912	10.54346	9.646963	7.687302	8.767871
Tmem37	2.932308	3.196898	3.91656	4.200526	5.499332	5.819749	6.922039	6.792332	6.622782	6.424694	5.298655	5.003376
BC005764	1.658413	1.975812	2.593489	3.303557	3.183712	2.945957	3.560989	3.794658	5.517265	4.763159	3.604892	3.402436
Sertm1	0.359342	0.384656	1.001075	0.993131	1.221031	1.078343	1.297679	1.155335	0.860443	1.069879	0.715142	0.714642
Tgfbra1	2.031866	2.257719	3.218632	3.161634	3.765551	3.279882	3.789434	3.619306	4.586137	4.419134	5.188516	5.108955
Cerk	1.459499	1.413281	1.913952	2.173742	2.749433	2.671926	2.552658	3.070531	3.632414	3.512184	3.359796	3.44847
Ephb2	2.061149	2.504584	4.697876	4.5928	5.770497	5.337405	6.604128	5.670307	6.83297	7.020279	7.310976	7.420293
lqsec1	4.425648	5.779988	8.397013	7.815173	8.905023	8.424295	9.193138	8.405746	11.18837	11.67972	12.84832	12.62096
Osgep	18.28969	16.69148	13.79014	14.39605	14.28727	14.08572	13.49392	14.49726	11.84161	11.55498	8.87965	8.979328
Zfp821	6.073251	6.120192	7.842322	7.423441	8.191971	7.966053	8.856556	9.34257	10.70608	10.24016	12.27579	11.98416
Dmtn	12.2203	12.59083	2.621147	2.35141	1.957374	1.751423	1.475505	1.600667	1.539148	1.456753	2.047789	1.877649
Ugcg	12.13787	12.88657	16.80498	17.58024	20.3415	19.46035	22.23932	21.3542	25.64559	28.36689	24.9939	27.40776
Jak1	10.98649	12.03199	16.49754	16.05071	18.58875	17.83844	23.58578	23.89209	23.37982	23.72369	24.87828	25.89162
Cdk5r1	0.523281	0.741532	0.882378	1.013308	0.808851	0.900004	0.914687	1.10355	1.156936	1.171643	1.339008	1.451161
Tktl1	0.399528	0.385155	1.640169	1.607358	1.702639	1.719835	2.250552	2.293133	0.943977	1.422761	1.543258	1.47524
Slc5a5	0.619436	0.757676	3.259737	3.327641	2.90183	2.563434	3.232015	3.105265	2.221194	2.068945	3.299718	2.880299
Efnb1	3.978859	3.854735	12.8187	13.25711	17.56879	16.34709	19.01075	16.80195	21.46568	19.95214	22.64872	21.30337
Atl1	1.286737	1.311649	1.640554	1.474215	1.751518	1.467368	1.763432	2.012391	1.860428	1.846473	2.817312	2.357201
Emb	49.7325	45.51655	21.76181	22.0402	20.96878	19.90088	23.66294	25.10811	32.82473	31.94746	26.71197	30.55223
Cox7b	177.9368	128.1801	96.56784	100.3703	107.2003	117.3941	94.62165	82.21639	85.38491	73.13949	79.41074	78.58634
Zfx	6.349778	7.276102	9.554311	9.101	8.772354	9.020036	9.556151	9.430981	12.04155	13.64108	12.86412	14.46798
Zfp809	21.88335	26.39385	64.9355	64.51352	61.52406	61.00334	62.6016	62.07679	39.33775	42.76148	39.53377	40.2305
Rc3h2	6.60428	8.447567	11.5709	11.91322	11.3258	11.29471	12.14573	9.595497	11.00901	12.2933	13.33425	15.38197
Fam117b	4.908118	6.222375	6.983418	6.711696	8.185168	7.603133	9.497682	8.429637	11.16215	10.65318	10.52255	10.75792
Kcnip3	1.718913	1.665356	2.244555	2.410371	3.523793	3.370308	3.765804	3.84269	4.153518	3.861446	3.337072	3.581903

Mplkip	13.28194	12.14704	10.52556	10.5322	10.31046	10.14336	9.092593	8.033356	7.115342	6.599779	6.050875	6.575842
Col7a1	0.248703	0.350423	0.723072	0.628843	0.783424	0.797092	0.721178	0.790407	0.740707	0.745983	1.100955	1.006765
Utp14a	43.21075	43.13593	29.04087	27.5329	20.50454	20.50235	15.96537	17.19893	18.23644	17.75249	16.6304	18.17375
Rapgef2	3.324989	4.174909	4.766469	5.351248	5.391319	5.735685	6.598281	5.825409	7.523896	8.177819	8.493981	8.565105
Dpy30	214.5468	172.2553	103.9467	109.1972	90.95093	96.70794	80.09007	84.40769	77.92499	69.97657	73.46639	68.26498
Dnmt3b	81.98438	87.9515	36.06464	34.71169	28.83059	27.55011	29.60194	27.04622	24.96707	24.11824	22.15293	21.71757
Zfp57	154.8857	162.3243	99.45829	91.37838	78.95823	78.92213	78.63738	87.68856	72.74865	71.37248	54.85353	57.18503
Ckmt1	7.157273	7.707674	2.790592	2.231615	2.06355	2.506592	1.702099	2.285494	1.665533	1.568664	1.596618	1.917599
Zfp251	5.025405	5.22406	6.903238	7.097719	8.133348	7.938428	8.875545	7.679394	10.20351	10.21674	10.08714	11.34062
Plxbn1	4.58567	4.976689	6.952209	6.743565	6.195183	6.541566	7.135703	7.202353	9.90941	9.622631	10.45769	10.44834
Spns2	0.721648	0.631092	1.173902	1.292962	1.181369	1.269216	1.120153	1.229158	1.070405	1.110097	1.653453	1.772943
Midn	30.8135	35.22456	49.1825	46.48995	47.15127	46.28466	51.52623	45.23234	55.77772	52.61784	76.3631	72.22807
Asphd2	1.578349	1.628701	3.386878	4.037873	5.161801	5.417545	5.133431	6.006325	5.299607	5.680179	4.494687	3.762352
B3galt1	0.441838	0.471275	0.771291	0.789724	0.901905	0.898816	1.047519	1.139425	1.170554	1.260542	0.754456	0.872763
Hes6	20.72174	18.85931	9.296729	8.616934	8.744843	8.655615	8.77499	8.90862	9.829108	9.479292	16.19928	13.75011
Dlgap3	8.749742	11.40102	7.610234	7.062057	6.183022	5.103955	5.036597	5.369607	4.151302	4.425767	5.963329	5.345538
Jund	12.53827	12.08709	34.51836	30.95857	34.74398	33.76429	31.89827	32.73205	25.61137	21.17328	35.14196	31.29123
Baz1a	8.474994	9.234937	15.0661	14.70033	17.15611	15.90811	19.44643	21.54008	21.96828	23.40489	20.65869	21.48001
Atxn7l3b	16.80164	17.39961	27.77555	28.46379	30.07803	28.34798	33.53746	27.45523	32.71715	32.47532	43.94438	43.71107
Letm2	0.681763	0.686814	0.993584	0.996482	1.257891	1.009987	1.095535	1.586065	1.249926	1.331277	1.492668	1.541698
Dcbld2	7.11281	8.200985	11.77989	11.44275	13.19447	12.55585	15.17132	14.05084	15.51619	16.73397	17.41597	18.20536
G6pdx	24.65947	25.59399	20.40453	20.67007	19.60199	18.96702	17.948	18.0258	16.22607	14.79294	12.31068	13.00714
Fbxl16	2.02941	2.701546	3.07643	3.292307	4.45056	3.907601	4.736982	4.379472	4.904551	5.147693	5.054593	5.227748
Csrp2	191.6189	151.1056	80.86507	73.92275	65.55242	65.24445	54.90989	53.32155	50.70647	46.55647	47.22092	46.86038
Zfp46	1.003433	0.996634	1.487275	1.520686	1.771371	1.702269	2.126509	1.666969	2.096907	2.41427	2.273549	2.252397
Zfand1	11.08521	8.871565	8.128112	7.150799	8.035391	7.491669	7.120637	8.122962	7.438135	7.442137	4.911903	5.117264
Spats1	3.802922	4.101576	2.528323	2.565344	1.87365	2.082273	1.846145	1.616107	1.83552	1.679806	1.402071	1.71977
Ncoa6	7.128824	8.1959	12.31138	12.65416	13.33682	13.42748	15.46344	13.93935	18.57032	19.12252	20.23034	20.08388
Mkl2	3.396529	4.532803	4.864657	5.41425	4.985872	5.366553	6.472653	4.627384	6.278471	6.88314	7.222177	7.34076
Spidr	21.09721	18.72829	13.71946	13.6838	14.23983	13.6264	14.10126	15.26504	13.39879	14.90728	8.944239	9.625407
Fads3	0.647432	0.671739	1.482679	1.736778	2.187679	2.135086	2.653565	1.949809	2.430362	2.321243	2.848337	2.754103
Polr2k	17.23171	11.4546	10.02941	10.47863	10.92387	11.25274	10.97323	7.096348	7.846841	7.543615	7.7532	8.40043
Tmem205	13.21976	9.969876	9.279897	7.939392	9.042325	8.788511	9.027704	9.24293	7.514435	5.829672	5.866443	5.860195
Enho	2.350669	2.001067	2.794883	3.121572	4.219728	4.526927	4.894759	4.948928	4.209388	4.333125	4.861114	4.631001
Phox2a	0.713933	0.774514	0.972317	0.717847	1.202206	1.099826	0.758919	1.135995	0.698396	0.852569	1.748281	0.723655
Josd2	6.559503	4.91133	7.898382	8.534608	12.14321	13.16684	13.27522	13.50337	10.49694	10.33668	10.64751	9.541594
Acot9	34.64166	31.91061	15.70958	15.80253	13.70562	12.50482	12.34759	13.37531	11.12222	11.7987	17.51764	18.66554
Zfp410	10.25198	9.907582	14.86469	13.00171	13.43574	12.90401	15.48184	14.92726	17.33044	16.25793	20.87753	20.40754
Plekhh4	0.453951	0.434847	1.093709	1.16806	1.291033	1.353745	1.508208	1.599394	1.187556	1.444404	1.146937	1.011439
AI504432	0.249401	0.309659	0.594767	0.657927	0.78062	0.783034	0.913259	0.732167	0.892799	0.783066	1.027474	1.039971
Islr2	2.609622	2.191286	10.68938	9.822471	12.05309	12.5793	12.84812	12.64529	9.623082	9.488683	7.080186	8.000049
Tnfrsf1a	3.554889	3.205225	6.727448	5.710823	7.097732	5.957107	8.110953	7.956102	5.235614	5.0338	8.958215	7.926921
4930402H2	3.185405	3.50293	4.400508	4.34303	5.344138	5.087063	5.576576	5.480084	5.800765	6.177331	6.940803	6.863944
Lrrc29	0.839514	0.824192	1.435005	1.310785	1.424373	1.527215	1.834076	1.731302	1.112493	1.273741	1.309281	1.095463
Lrrc14	3.420517	3.447632	5.602653	5.126298	5.125635	4.875676	5.066095	4.96797	5.436598	5.592336	8.112712	7.703617
Uhmk1	8.965719	10.36523	14.57176	14.80628	14.62073	13.77226	15.4037	12.8074	14.59819	16.39473	19.20152	20.23273
Mum1l1	2.954838	3.009966	3.423729	3.953467	4.800863	4.420778	5.547911	5.736124	6.135291	6.245343	4.413706	5.038802
Dusp9	27.71191	28.06536	113.3769	107.7176	97.75111	91.03159	74.59472	75.36269	67.7823	68.1898	75.17488	68.2188
Pfdn4	46.85017	34.22868	31.44732	32.25766	34.53871	37.12331	29.86789	29.80405	24.84088	24.85651	23.00628	23.50101
Nkd1	0.639915	0.661515	0.962453	1.236962	1.647658	1.662413	1.91219	1.629593	2.001677	1.931245	2.079309	1.953843
Slc16a13	1.760739	1.988045	4.507078	4.445555	4.720192	4.640993	5.003359	5.295926	3.45613	3.353653	2.962092	3.356944
Afap1l1	1.557122	1.044502	2.332578	2.552198	2.995214	3.286983	3.692941	4.028066	2.884089	2.947459	2.648868	2.83571
Agap1	3.208038	4.34472	5.259664	5.167148	5.716038	5.701804	6.420569	5.31142	7.912475	8.152946	8.427974	7.991158
Camsap1	7.583242	9.690368	12.76992	12.63	11.62812	11.23977	12.73897	11.65658	15.97905	15.92406	17.3102	17.72799
Slc22a21	0.360579	0.404631	0.973649	1.047799	1.722145	1.385304	1.4745	1.652062	1.614093	1.579012	1.417035	1.481172
Ttc17	3.4079	3.232863	5.412172	4.888965	4.866321	5.015714	5.283728	5.309561	5.012006	4.982385	7.510957	7.706209
Rps6ka4	2.395683	2.593452	7.610014	7.11536	6.661797	6.39105	5.888446	6.777238	4.525469	4.517977	5.591351	5.019322
Sfi1	10.14769	10.95487	17.89182	18.74428	20.71193	21.73946	23.03795	26.07248	19.55262	20.27768	15.95253	16.58272
Adamts9	1.653538	1.68891	2.094214	2.402347	2.702278	2.622168	3.101684	2.724559	3.468245	3.650097	3.643052	3.776184
Fam63b	0.691282	0.724642	1.176628	1.282758	1.597102	1.602182	1.84414	1.826894	1.678955	1.946134	1.904872	2.015871
Mecp2	2.666733	2.994781	3.85634	3.97682	4.024171	4.118135	4.738536	3.969897	5.989412	6.235474	5.898849	6.208472



Smad4	22.10843	26.58926	31.36877	29.18243	29.47456	28.2732	34.38032	32.71279	40.71156	40.0986	44.95489	44.38642
Zcchc14	9.074397	11.07645	15.18519	14.80053	16.00778	15.41128	17.74087	15.88469	22.06276	23.23463	21.49986	20.26364
R3hcc1	13.42179	14.19596	17.80257	18.30487	20.01721	19.24747	20.76082	21.63833	24.93127	23.55846	29.15907	28.7311
Cic	16.08379	19.9758	35.61135	35.60277	31.89773	31.00627	30.00476	28.42468	22.86397	22.6927	26.70132	24.38612
Hibch	7.122034	6.442152	5.426797	5.219063	5.316443	4.986672	4.444392	5.078824	4.728027	4.992274	2.956493	3.327833
Tmod2	1.243277	1.382562	3.193194	3.278284	3.821928	3.701012	4.511393	3.577281	4.455649	4.808291	5.052439	5.137224
Rhox1	1.163656	1.026551	3.065584	3.396121	3.693965	3.345059	3.602153	3.290781	2.261347	2.168589	3.791209	3.285234
Chpf2	0.950699	0.938218	1.674416	1.702797	1.812338	1.913496	2.088443	1.929513	2.285559	1.998492	2.797354	2.665013
Ttbk2	1.077074	1.366434	1.750332	1.912854	2.110827	2.151625	2.276739	2.185338	2.731417	2.99358	2.626039	2.792903
Lysmd1	1.029342	1.304754	1.537592	1.472545	1.378459	1.578714	2.059753	1.820651	2.207226	2.304387	1.881872	1.764092
Stx1b	0.89788	1.097919	1.788417	1.8618	2.353586	2.268432	2.405391	2.717382	2.475169	2.662634	1.748468	1.73655
N4bp2	12.12019	15.57651	17.19225	17.91878	20.8345	19.50728	23.71715	21.28299	26.69725	28.01057	24.84388	26.32861
I7Rn6	27.75831	24.07874	21.11425	21.60234	20.02998	18.93331	18.41997	21.02111	16.10996	14.91178	13.45703	13.82013
Mapre3	1.478371	1.542834	2.219592	2.310499	3.208839	2.732246	3.014794	3.089927	2.500708	2.276968	2.084113	1.977099
Notum	5.925215	5.151167	2.124681	1.712393	1.283851	1.536898	1.573511	1.377197	1.849346	1.56465	2.057362	2.150857
Hrsp12	9.893775	9.115515	7.827628	7.019889	7.940251	7.567363	6.699893	7.267067	6.225132	6.007309	4.523466	4.846372
Alg13	94.60282	95.97085	41.42142	41.68046	33.69298	31.70843	30.62423	32.72703	31.02707	32.05313	26.61684	26.71118
Arl10	9.305211	8.95904	14.68161	13.53322	12.90065	15.11707	14.34736	15.50288	16.38801	17.29069	21.63496	21.1087
Ak2	129.5961	115.2288	102.238	93.99321	90.06775	87.23834	78.62215	80.97138	70.14248	67.55479	65.10661	60.29189
Epb4.115	5.621785	6.750907	8.015072	8.59096	8.563424	8.72096	10.41607	9.496214	12.19068	12.23585	13.01505	13.39239
Sh3bp2	1.673714	1.490632	2.907014	2.555014	2.64271	2.605499	2.953822	3.290274	3.751753	3.982822	3.754812	3.806254
Nampt	59.75149	55.56399	33.60187	34.24598	36.28812	35.11286	35.28175	36.2197	40.78464	44.5579	25.95548	28.58446
Nxf2	0.353402	0.317422	0.765108	0.71369	0.68956	0.82124	0.924402	1.018424	0.758845	0.84243	0.913585	1.112483
Tfrc	90.44507	85.49123	33.83708	33.30194	31.81299	29.76237	26.32655	25.52292	36.09329	39.78326	24.75501	28.16642
Arhgef12	6.740532	8.255989	12.22542	13.07599	12.95535	13.05282	15.38316	14.04269	17.7648	18.72323	20.18266	20.3449
Tubb2a	13.07696	12.34691	24.51959	22.97146	26.3955	27.35943	33.38569	35.80125	26.33967	24.79207	32.26256	32.15443
Ankib1	4.872291	5.966031	8.343869	8.150883	7.65203	7.539867	7.937601	7.834816	8.475979	9.030049	11.71808	11.74875
Mib1	12.39241	15.75683	19.49562	20.04885	21.39574	20.21295	22.25307	18.9145	26.46449	29.47132	26.29954	27.85134
Abl1	20.93362	23.26765	45.36086	45.1239	50.12691	50.41593	55.88818	55.0935	42.04741	43.14195	36.66828	35.36337
Shmt1	58.24469	58.73569	44.06946	42.62561	33.93084	34.54739	28.39373	29.6158	28.90054	27.36818	27.91453	27.72809
Mprp	12.36912	13.67568	18.8673	18.17884	19.62183	18.89824	21.74344	22.90959	23.62484	23.74902	29.40304	28.30878
Mroh2a	1.058424	1.381202	2.334214	2.280785	2.619877	2.519139	2.680007	2.721355	2.528804	2.442891	1.836651	1.748099
Lrrk1	0.300164	0.294161	0.97135	1.209262	1.436035	1.288203	1.88638	1.53817	1.735224	1.881603	1.690004	1.580526
Acsf6	0.802372	0.842955	1.338977	1.393506	1.681882	1.628185	1.612571	1.517309	1.280094	1.376695	0.965099	1.047024
Map3k11	6.831361	7.421752	10.3751	9.790506	11.33151	10.97468	13.59444	12.62612	13.61427	13.59307	16.16046	15.222
Ddx4	4.731265	5.030046	7.778356	8.247273	8.222309	7.552006	7.609504	8.603541	7.988288	9.404082	12.05869	11.73902
Smad7	14.97065	19.11238	7.606	7.748661	6.549602	6.456704	6.648631	5.981634	9.248567	8.58963	10.5244	9.29664
Hhip	0.202832	0.198029	1.063859	1.258484	1.370802	1.47964	1.943086	1.769534	1.17816	1.138668	1.654111	1.623266
Hspa2	1.552529	1.592625	1.853164	1.935208	2.572319	2.412205	2.843711	2.547933	2.599707	2.727939	3.466944	3.005188
Ppapdc2	0.839365	0.713156	1.113802	1.279206	1.339357	1.355332	1.271061	1.295033	1.220493	1.430387	1.966334	1.986145
B3gnt1	4.15724	3.965201	5.957536	5.746387	7.233056	6.557746	7.552185	6.540665	9.536454	8.298175	8.713335	8.920352
Kif21b	2.312128	2.711779	3.460877	3.729862	4.840139	4.408083	4.93882	4.948038	5.555515	5.789455	3.953826	4.045149
Adprm	19.08251	17.30041	13.62112	13.57601	15.48687	14.9826	14.67104	13.86727	10.43732	10.5056	9.077034	9.656847
Acaca	10.36301	13.03624	19.34023	19.62252	21.24013	19.53982	23.36857	19.74596	23.54433	25.61145	16.98921	16.51724
Trim16	0.392169	0.472031	1.1754	1.463658	1.206525	1.216866	1.48704	1.535839	1.416222	1.432615	1.920461	1.886138
Shroom4	1.50298	1.932327	1.988494	2.216438	2.614314	2.538555	3.093199	2.571661	3.211756	3.433666	2.616027	2.874004
Emp3	2.482266	2.482578	2.8735	2.643985	3.018647	2.867866	3.895359	3.573095	2.375512	2.884063	4.982208	4.094073
Dcaf10	1.855199	2.129032	3.24243	3.353091	3.525283	3.477053	4.011041	3.671794	4.098951	4.260558	4.868095	5.18856
Ctbp2	93.54541	100.0222	58.01297	54.73982	44.63499	43.09081	37.61035	40.58607	35.52558	35.37659	38.80848	38.50145
Tm6sf2	0.445654	0.646294	1.642069	1.458972	1.184421	1.316321	1.14586	1.815046	1.213899	1.173481	1.295572	1.325786
Oaz1-ps	1.449629	1.209373	2.040672	2.041281	1.802669	1.643325	2.467975	2.339913	2.77347	2.54112	3.294993	2.343733
BC026585	3.038817	3.213987	5.759351	5.536741	6.12273	6.080949	6.811181	7.733939	5.424902	5.405319	4.753421	5.001605
Sipa1	5.579947	6.176091	18.60817	16.96853	17.9328	17.61632	17.48833	17.69027	11.80365	11.4409	12.83202	11.69896
Slc25a29	0.531391	0.876454	0.869399	0.889542	0.69298	0.916539	1.030154	0.592954	1.323456	0.909849	1.179652	0.819158
Fut8	5.960148	6.139069	7.974793	8.123481	9.724529	8.528637	10.76239	9.965188	12.69006	12.53458	12.2232	12.52271
Abhd2	3.680716	4.922555	7.62046	7.452679	6.532286	6.624008	8.375794	6.646605	8.167622	8.429328	9.969985	10.20833
Wipf1	1.834791	2.278235	4.727661	4.838899	5.656946	5.525317	6.617622	5.471792	7.104671	6.844734	8.22527	7.4571
Znrd1	80.3683	62.45087	59.77205	56.54049	56.82719	59.10481	50.35973	54.32035	38.61579	38.36405	43.12333	41.79939
Sun2	3.626216	3.906255	5.697848	5.875761	6.698924	6.716055	7.203394	7.367803	5.628298	5.122431	8.358577	7.890353
Farp2	0.614691	0.833844	1.37729	1.610562	1.560261	1.653692	1.858258	1.345182	1.855541	2.071326	2.157371	2.045867
H2-K2	1.941534	1.428473	1.558434	1.735732	1.247469	1.335333	1.316287	1.519048	0.737867	1.128129	1.072864	1.210448

Qpct	0.616986	0.562535	1.060183	0.912565	1.036208	0.957597	1.55966	1.120523	1.587248	1.403217	0.949146	1.047306
Ndufaf1	20.47045	17.42025	14.19609	14.9882	15.97373	15.49557	15.08961	17.50381	13.0524	13.14506	10.14775	11.38389
Adck2	1.383121	1.505598	3.077402	2.79685	3.547678	3.291449	3.917418	4.30034	3.617344	3.298521	2.978459	2.901771
Kcna3	0.267129	0.331934	0.866439	0.839764	0.992879	1.114061	0.977998	1.190729	1.155309	1.039479	1.264316	1.290406
Lamc1	42.94507	54.30802	79.49209	78.56815	70.37217	68.59163	92.18057	74.01458	106.3506	102.9417	99.77189	105.3336
Helz	6.590729	9.727962	14.06875	14.2493	12.23665	11.91207	13.42069	10.16695	10.06153	10.31543	9.608155	9.282008
Fkrp	7.481947	6.588765	11.24344	10.07295	11.34717	11.70566	12.1959	11.58719	12.52849	11.94227	16.11548	15.46347
Pgap3	1.581953	1.750861	2.603706	2.68705	2.572096	2.666525	3.257648	3.061182	2.497357	2.979513	3.893051	4.093483
Lnx2	4.22786	4.840325	8.849872	8.933657	6.735104	6.757643	6.913664	6.52046	5.767966	6.038907	5.367609	5.820787
Trpc1	0.535156	0.573959	1.233795	1.212595	1.607293	1.5342	1.784161	1.860703	1.655788	1.804844	1.601143	1.679293
Hdx	0.827369	1.02203	1.267148	1.421785	1.677347	1.649849	1.82882	1.843419	1.937993	2.181204	1.268231	1.544425
St3gal5	3.818559	3.828423	5.608674	5.390668	6.748121	6.841476	7.379924	7.186671	7.793514	8.17292	8.287983	8.269746
Nr6a1	11.83648	14.74433	28.62597	28.0398	29.95433	26.52146	36.31624	30.97342	37.2482	40.66151	32.7135	32.61507
Ecel1	0.35885	0.292335	0.780046	0.668322	1.089311	0.851202	0.937188	0.834429	0.993885	1.023536	1.004558	0.859512
P2ry1	0.549859	0.457756	0.652705	0.752072	0.92751	1.000259	1.11656	0.844235	0.94113	0.943209	1.36617	1.15132
Rtn1	1.615557	1.901323	2.490875	2.467276	2.862716	2.885083	3.716437	3.486942	3.318163	2.970894	3.616056	3.77659
Zfp319	0.250575	0.30364	0.662166	1.054075	1.110741	1.24183	1.14768	0.937342	1.609254	1.434279	1.197915	1.394098
Sh3tc2	0.244297	0.359785	1.172385	1.194091	1.114064	1.111239	1.294637	1.219206	1.162718	1.162439	2.051287	1.699994
Elf3	5.791406	7.033539	12.10289	10.51532	11.91267	11.24281	14.06158	16.0847	16.21022	15.43339	14.94415	14.55298
Hspb8	15.45671	13.6012	6.73232	7.002243	7.743469	7.232932	7.417205	8.439173	8.370532	8.62779	11.48601	10.71038
Rc3h1	3.09575	4.38167	7.026997	7.343065	6.203739	6.259998	7.18612	5.727443	6.718811	6.882769	8.302297	8.756347
Tbc1d2b	2.612907	2.942659	4.036706	3.978137	4.466097	4.447184	5.181076	4.744939	5.512372	5.541627	5.96467	6.080674
Ano3	0.851307	0.946814	1.217506	1.166419	1.408742	1.287606	1.771846	1.64961	1.406604	1.42522	0.689991	1.079288
Nkain4	2.670607	2.486904	1.314757	1.380979	2.032532	1.623555	2.18758	1.628015	1.559391	1.715191	2.083658	2.110589
Cntfr	12.56711	14.64965	66.30734	67.86142	72.03959	70.66315	70.41445	67.14092	56.77164	54.01127	49.55187	46.24695
Cyb5d1	14.07208	13.68711	20.68358	19.80664	19.53307	18.62883	24.64864	23.75083	24.63328	23.34991	28.5278	28.45958
Il17ra	1.330365	1.512708	2.204996	2.182503	2.475472	2.405624	2.976706	2.986744	2.54596	2.34624	3.181318	3.334181
Trim13	27.42372	24.63217	16.70966	16.08932	14.96194	13.89689	13.44293	12.48836	9.841805	10.53265	9.121261	10.59428
Pbx2	20.44202	21.15624	62.43683	58.92642	73.16549	68.35126	75.68428	70.25481	61.53018	59.05183	46.36715	46.01542
Aebp1	0.979079	1.078024	2.044636	1.915658	2.381341	2.403766	2.783262	2.923841	2.768937	2.770247	2.567221	2.843349
Pfn4	0.524506	0.385625	0.948203	0.956685	1.126306	1.096231	1.224939	1.256009	1.055429	0.834792	0.938813	1.273707
Pptc7	8.414995	8.470014	17.67981	17.58436	15.09098	15.69896	13.6501	14.6939	11.03439	11.52508	12.82889	13.63254
Clasp1	6.919161	8.758886	9.935416	11.05352	11.71824	11.63373	14.48502	12.55572	15.21018	16.86101	13.47797	13.55754
Ccdc172	1.649344	1.952518	4.592579	4.471691	5.026791	5.58939	6.183152	6.818601	4.806148	4.809616	3.621543	4.84541
Prmt2	6.48706	6.360028	11.86091	11.75348	14.76142	13.68519	17.29516	17.92108	13.55318	13.705	12.6797	11.78152
Gm364	3.635089	2.747413	6.434841	5.631678	6.343077	7.055498	9.658585	7.716984	7.652633	7.40591	7.801258	8.586322
Ppp2r5b	6.629854	7.167498	13.47031	12.26032	11.91169	11.56464	11.25687	11.16127	9.227855	8.041875	9.764888	10.2523
Zbtb12	6.117917	6.218596	9.241542	9.167031	8.898911	9.147135	9.816466	8.298855	14.12919	12.64689	12.27718	10.74433
Zkscan7	0.525066	0.700455	0.961444	1.007007	0.840486	0.901371	1.123036	1.26213	0.736566	0.829193	1.116257	1.035
Strip2	0.251033	0.267811	1.027218	0.981975	1.049955	0.893129	0.800607	1.029854	0.675981	0.695844	0.528592	0.67663
Stac2	3.569045	3.501474	2.135631	2.190942	2.193095	1.790776	1.760334	1.598091	1.695429	1.561119	1.696458	1.440556
Clip3	4.498826	5.676429	7.964037	8.73796	9.764657	9.434027	11.65852	9.897398	14.43827	13.28766	10.08558	9.890996
Pcnx	3.803953	4.92923	5.192255	5.575835	6.468305	6.29791	7.670878	6.358851	7.62181	8.477145	7.478474	7.632991
Vegfa	11.61074	10.38898	18.9346	18.19625	20.03787	19.53423	18.64832	20.2217	23.83763	23.7877	29.31287	27.65284
Nlrp4c	0.886402	0.782265	1.922659	2.04867	2.658543	2.3694	2.906023	3.112369	2.665112	2.706327	1.929398	2.130062
Fam131a	0.712618	0.703601	1.141961	1.347806	1.407949	1.58896	1.724481	1.830746	1.473443	1.397064	1.794524	2.04713
Elmo1	6.987153	6.972363	3.30919	3.284425	2.983613	3.063369	3.595305	3.513781	4.461822	4.634054	4.486043	4.650315
Phactr4	8.485136	10.5486	10.49549	11.63544	12.86175	12.43814	14.70086	13.18454	18.58501	17.65528	16.30692	16.24654
Mlxip	5.297224	6.775504	6.870329	7.165935	7.814106	7.611396	9.887664	8.118153	10.75676	10.87222	8.837962	8.837068
Ncoa2	6.366096	7.439983	9.037028	9.687731	10.82782	9.859089	12.51367	10.88078	13.93608	13.76294	14.63135	14.69802
Zfp787	4.265093	4.01599	5.760162	6.072031	7.985809	7.439792	8.063688	8.267759	10.35702	9.109715	10.09287	9.211587
Repin1	3.795599	3.982899	8.336223	8.180465	8.100583	8.084234	8.544207	8.752108	9.738003	9.513843	12.32509	12.25566
Usp28	57.6357	64.44513	25.08527	25.91569	21.378	21.08247	22.00345	21.87871	23.42895	23.72021	17.05943	17.09598
C030039L0	2.954864	3.040468	2.211379	2.30229	1.834678	1.652614	1.336657	1.89013	1.934112	2.013185	2.303731	2.504443
Gmfg	2.467268	1.99588	1.680134	1.696908	2.078156	1.783026	1.597342	1.696838	0.922994	1.230114	1.012397	1.177695
1500011K1	10.3769	6.512343	6.466228	7.19395	7.924146	7.171045	5.23721	6.327057	5.572847	4.75282	6.747936	6.038418
Immp2l	3.826633	2.836813	2.239214	1.807779	2.372669	1.74268	1.87501	2.043029	1.865923	1.710902	1.458798	1.349849
Zfp287	1.027907	1.018609	2.251497	2.246689	2.578575	2.658232	2.284755	3.220298	2.85554	3.035623	3.360886	3.400398
Adam9	7.556379	7.394207	12.20507	11.57736	13.63672	13.75866	15.77101	16.6534	18.05093	17.51391	15.80145	16.7668
Ccl25	3.782783	3.962665	5.600541	5.575583	5.972359	5.284484	5.417273	6.001016	8.22486	7.993549	6.050481	7.208897
Plekhm2	3.068101	3.147168	6.668829	5.566229	6.385551	6.244734	6.463136	6.927394	7.499419	7.753843	8.869847	8.412997

Arhgap42	3.5548	4.224705	5.245999	4.804833	5.901119	5.718409	7.551159	6.743466	6.572066	7.261247	6.180147	6.42299
Pdzd8	7.892439	9.552567	12.71633	12.16092	12.32019	11.81024	13.23571	11.8956	13.76287	13.58077	17.97559	17.84303
Fam134a	8.590162	8.989361	12.69621	12.4071	14.25295	14.27915	16.10505	17.8794	16.86898	16.4523	19.25414	18.74443
Dok1	1.043721	1.106408	1.923273	1.894033	2.40739	2.240963	2.433377	2.860657	3.15654	2.754645	2.822843	2.582259
Gm14305	5.988943	5.518218	5.046307	4.661381	4.002998	3.964661	3.454953	4.014739	4.169341	4.676143	2.880774	3.096169
Tgif1	42.25561	45.22592	20.2022	20.08508	20.91619	20.76975	23.98406	22.60648	26.19031	25.35118	17.83979	16.78935
Kif13b	7.211578	9.615778	18.48374	19.30449	17.56309	18.27492	21.05807	19.80747	18.02645	19.28157	13.15326	13.11914
Syt14	2.772348	3.843777	4.171766	4.605041	4.083256	4.367922	4.845683	4.629851	4.618984	4.479694	7.166771	6.59151
Tsc22d2	3.76238	4.658351	6.296048	6.265758	5.961068	5.891561	6.091281	5.09598	7.149825	6.853052	8.025765	7.68972
Smad5	8.223332	9.144665	13.21691	13.76733	15.16009	14.91446	17.52341	15.63897	19.84215	20.75325	18.94787	19.63026
Zfp42	421.8086	400.611	160.1308	147.5283	119.6588	114.0758	111.2242	119.2507	126.5385	130.4503	98.99495	97.88795
Stard10	3.780264	4.473769	5.013764	4.694554	6.594752	6.503838	6.551609	7.072225	8.066347	6.961573	7.176446	6.828745
Nrip2	0.526003	0.772352	1.088915	1.353687	1.149167	1.102972	1.468937	1.307852	1.379045	1.322689	1.736989	1.661499
Cand2	6.807443	8.16412	14.79906	15.0129	16.38934	16.4848	21.11393	19.94531	23.39908	22.60213	18.63456	18.02187
Gm5635	0.952178	1.032161	2.300024	2.682315	2.804333	2.612562	2.893203	3.430649	2.629553	2.279568	2.633218	2.479931
Spred3	2.099094	2.442653	3.122531	3.282198	3.645333	3.688973	4.126177	3.847816	4.248937	4.421899	4.41083	4.937666
Prps1	76.23024	75.66673	57.86876	56.46296	50.10886	48.06353	45.15699	45.7461	47.60297	48.45953	38.33046	37.53632
Mfn2	5.767543	7.071821	11.62002	11.20155	11.17296	10.75902	11.93901	11.12027	10.67982	10.28648	15.32428	15.46785
Syde2	3.548303	4.391995	5.142599	5.406033	5.46023	5.315306	5.263931	5.288006	7.577711	7.595267	7.965523	7.950288
Six5	1.448829	1.766889	2.936663	3.266687	4.412893	4.098842	4.591648	4.784901	4.904484	4.770165	5.052714	4.910343
Eps8	10.19441	9.968589	6.206705	6.249831	6.492514	5.983641	5.960667	5.931504	4.090928	4.338157	4.312425	4.163489
Prdm14	11.00583	9.904561	3.143951	2.8602	3.024969	2.884015	3.360849	4.277262	4.522651	4.292292	4.130996	3.512345
Smad6	1.581666	1.658756	4.518263	3.757192	4.569052	4.246861	4.301822	4.590482	6.130983	5.635119	4.672578	4.482398
Rab43	1.856329	1.737077	3.243662	2.594326	3.904281	3.860269	4.547037	3.806361	3.013664	3.477176	4.031519	3.889517
Car13	15.63674	13.54192	8.965204	8.51285	10.34048	10.78557	11.30277	12.47615	10.76537	10.93981	7.679919	8.322541
Sec24b	11.29317	13.58171	16.68947	17.8613	18.05112	17.10925	19.91888	18.06869	22.19808	23.36364	26.32729	25.64472
Wiz	8.112436	9.909429	11.87513	11.76454	11.35659	11.49558	13.11599	10.7504	15.91321	14.595	16.77815	16.11154
Ttyh2	2.540172	2.905065	3.779231	3.830302	5.136179	4.92179	5.327892	4.934085	4.844574	4.894774	3.628791	3.293303
Slfn3	0.333117	0.515123	0.672529	0.92672	0.798292	0.906833	1.062919	1.006507	0.731157	0.750967	1.290414	1.124762
Nynrin	1.700741	2.283172	3.23741	3.084881	3.672308	3.500351	4.649301	4.325026	4.52904	4.618831	4.005797	4.226461
Serinc2	1.971904	1.923434	3.161448	3.571491	4.024656	3.264691	4.106718	4.310477	3.892328	3.92867	4.936982	4.885295
Grina	12.79712	13.51958	17.43042	15.92062	21.45651	20.36722	24.64687	22.31239	27.17401	23.81148	23.00598	23.71016
Spats2	32.00466	32.18839	36.48966	40.05747	48.19004	46.4311	53.68695	55.53712	64.33373	59.88726	46.08364	44.47692
Slc25a51	10.07009	10.4738	15.55784	15.58726	15.67743	16.36737	18.41281	16.0307	19.5295	19.80412	22.49314	23.30021
Cxx1b	2.502049	2.336934	3.487793	3.640635	4.383925	5.228023	5.725046	5.43993	4.517995	4.67585	4.921329	4.329929
Dgat2	1.298265	1.260218	3.285682	3.758201	4.249697	4.292577	5.166331	4.372318	3.36212	3.481959	5.59734	5.202574
Igsf10	0.622177	0.783904	1.174577	1.259288	1.389521	1.261672	1.741338	1.282757	1.604755	1.880783	1.460973	1.570915
Ifitm2	434.2596	370.6809	208.4315	215.2151	201.6371	208.0397	186.9947	156.9711	167.8065	154.2329	141.4083	144.1197
Rab3b	0.351372	0.373738	0.769414	0.972008	1.114079	1.005254	1.334567	1.45095	1.294263	1.174971	0.950931	0.99105
Fgfr1	25.75988	27.02949	40.83636	40.71613	50.3616	48.20841	58.96065	60.77567	55.42477	53.97389	47.12639	45.70935
Dusp22	3.385394	3.713811	5.84907	5.815075	7.338887	7.990459	8.389397	8.679091	8.62845	8.466833	8.86967	8.202144
Slc9a1	7.268161	8.984149	16.03271	15.67408	14.67893	13.65435	15.14183	12.25801	10.73371	10.50249	12.32695	11.82763
Prdm11	0.556393	0.570385	1.445355	1.321324	1.187739	1.059045	1.188055	0.97924	1.125803	1.110614	1.502035	1.461342
Rere	12.4858	15.91037	19.21658	20.07379	19.06755	18.89632	21.60117	17.47813	26.69434	26.08245	24.85162	23.69697
Scmh1	3.962681	4.39876	6.408734	6.905147	8.06844	7.556773	9.045919	7.51143	8.469891	8.151571	9.756506	10.29268
Pcyt1a	6.597791	6.705674	10.36917	10.4754	10.64045	10.31921	11.49707	10.30868	11.18252	10.98703	14.64802	15.35693
Suox	1.801059	1.9024	3.07602	3.083465	3.972343	3.563627	3.910197	4.588945	3.936323	3.950222	3.744054	3.610681
Ttc39a	0.63271	0.845301	1.006015	1.109532	1.546769	1.323591	1.742222	1.65109	1.405577	1.6381	1.008285	1.429228
Camsap2	5.666156	6.741192	8.917253	9.471251	10.22487	10.16304	11.52428	10.45418	12.67212	14.09188	14.09999	13.98615
Mrpl42	170.9475	142.5334	113.1003	109.8909	115.043	117.1535	95.51849	93.87492	97.98884	89.49606	84.01219	78.81756
Otud6a	1.843814	2.020229	7.983723	8.098412	9.900956	8.719396	12.21949	12.02546	8.539408	10.76488	9.805887	8.746637
Fbln1	7.740773	8.701732	15.66856	14.40832	15.30898	14.30851	19.91898	18.45736	20.36251	19.72228	14.80492	13.28242
Abat	1.200173	1.221404	1.906615	1.869273	1.998235	1.813325	2.455071	2.052204	2.570615	2.692459	2.387001	2.58188
Bcl9l	1.901173	2.655677	4.935161	4.810689	5.468	5.190991	6.616451	4.718519	5.547417	5.511316	7.813692	7.004144
Otud7b	6.801136	7.51065	9.657614	10.35378	12.01939	11.67745	13.14501	11.0558	11.72144	12.00998	15.14023	15.36095
Ahi1	4.678231	4.761383	7.009142	7.442107	9.10483	8.040914	10.12689	10.0112	8.414784	9.144054	6.300559	6.751342
Slc18b1	1.184188	0.916028	1.667363	1.803057	1.827903	1.72372	2.409492	2.555188	2.939626	2.164203	1.890381	1.801452
Ier3	4.733955	5.276859	2.321783	2.781509	3.256817	2.760971	2.933134	2.444879	2.447372	2.119043	2.492313	3.139564
Sufu	7.368135	8.564139	12.07546	12.23794	13.6704	13.25874	16.35982	13.00712	15.28521	14.6051	18.8553	18.12752
1700019G1	1.562319	1.708778	3.181262	2.442692	2.440655	2.415665	3.038017	2.406227	1.761015	1.649321	2.056264	2.037191
Elavl2	10.39745	9.593104	4.995723	5.361169	4.902411	4.605436	4.569024	4.137634	5.11693	5.96046	5.834422	6.126429

Stxbp1	4.947086	6.268084	7.594409	7.917675	10.41063	9.973408	11.84429	11.7228	11.29871	11.23179	8.465876	8.542324
N4bp3	27.41555	27.64447	16.10863	14.34665	11.46283	10.64479	8.377548	12.01873	9.860759	9.69103	12.33156	13.4572
Dnajb2	2.932025	2.876896	4.362965	4.097547	4.668549	4.254721	4.421437	4.616393	4.228787	3.689131	5.908819	5.459152
Alg10b	15.14046	17.76563	26.35443	26.20455	24.49481	24.3221	25.8802	23.76678	30.40842	32.10394	32.87729	35.15968
Amigo2	2.013045	2.139699	2.37718	2.749457	3.874706	3.652259	4.672202	4.064753	3.503672	3.377634	3.046863	3.58684
Ube2t	14.85341	13.11182	9.631531	9.635767	9.419807	9.240516	8.910274	9.217387	8.396711	8.520846	6.771796	6.518826
Ipo13	12.13984	13.08478	24.86929	23.54959	19.95452	19.83894	20.17092	20.24606	19.25418	18.53475	28.55946	27.39336
Ubn1	8.143865	9.797259	12.63045	12.16791	12.09678	11.82928	13.29184	13.25057	13.66356	15.30043	18.00305	17.48057
4930430F0	6.961513	5.527799	5.32549	5.125262	5.928862	5.323211	4.515654	5.734873	4.73189	5.101149	3.440131	3.881802
Ccdc74a	1.027943	1.133371	2.277095	1.831145	1.627022	1.892513	1.410038	1.583099	1.362995	1.353132	2.027572	1.998687
Dyrk1b	4.042492	4.819263	7.705647	8.305571	8.949142	8.803274	12.16455	11.89248	10.6825	9.423246	8.610995	8.05201
Cenpb	13.30831	12.67839	22.4738	19.83153	24.0206	23.59343	26.32259	25.6781	28.54171	26.36346	31.64769	29.2843
Cep170	7.001609	7.792737	9.891345	10.80061	11.43301	11.11759	11.88959	11.86894	14.47465	15.30375	14.88073	15.94717
Rfxap	3.907509	4.134937	5.37195	5.138977	6.566401	7.360858	7.047557	6.93685	8.029569	7.381817	7.629722	7.582485
Socs1	2.196699	2.073118	3.095815	2.933211	3.532807	3.97865	4.365391	3.53424	3.980804	3.265895	4.606386	4.325311
Paqr3	1.281487	1.657416	2.063442	2.175088	2.140139	1.978879	2.464297	1.828679	2.583997	2.676841	2.713817	2.695991
Fam20b	8.272066	8.622756	12.22727	12.43758	14.32719	12.94592	15.83541	15.90296	18.13063	18.33339	17.09887	17.69267
Slc43a1	2.60569	2.956073	4.558132	4.392115	4.128571	3.949428	4.517919	4.451598	5.249868	5.82157	5.890871	5.798369
Padi2	1.524489	1.715903	0.941154	0.877067	1.143039	0.982995	0.948757	0.736286	0.841	0.947947	0.660432	0.666985
Ppp1r13b	1.825227	2.052995	4.161043	4.114626	4.364148	4.11009	4.285772	4.023669	3.176986	2.792009	4.532628	4.027188
Ubc	1.088132	1.255167	1.51187	1.59765	1.823075	1.841985	2.044437	1.575364	1.826566	1.893647	2.294769	2.321459
Fut4	0.302437	0.364748	3.745134	3.512449	4.621338	4.410459	5.278792	4.847879	3.179774	3.290959	3.57813	3.467679
Rnf215	3.839562	3.581439	5.013515	5.160635	5.869677	5.607188	5.289374	5.95217	6.595466	5.479217	8.267219	7.595304
Kank4	2.994925	3.508742	7.183754	7.265625	7.217757	6.55837	6.829285	6.734395	6.419368	7.327845	4.585827	4.979164
Tmem260	0.92909	0.797427	1.604352	1.517257	1.851825	1.994607	2.295741	1.85145	2.26664	2.232513	2.151338	1.859095
Gla1	0.422127	0.540685	0.488715	0.918702	0.73371	0.882658	0.837106	0.862825	1.265465	1.268938	1.41543	1.098257
Ncdn	7.280032	8.616662	11.45275	10.55575	10.51381	10.68094	11.56372	10.04568	11.22311	9.809937	16.39766	14.41631
Clec2l	0.352763	0.398784	1.144827	1.608828	1.71992	1.726002	2.120425	2.363047	2.285098	1.8587	1.401093	1.836495
Chd7	13.6006	17.68652	33.14745	34.91555	30.37016	29.90067	32.40689	27.71379	40.47393	40.68117	38.39075	39.24746
Kif13a	8.361792	9.802693	12.96308	12.71464	12.93826	11.90317	12.47958	12.15705	15.55662	15.73101	18.24984	17.45921
Zfp532	35.32051	40.51977	23.27306	24.37039	16.76364	17.89293	16.47999	17.01625	17.7308	18.09981	16.50154	16.61903
Slc35d1	4.074729	4.014755	7.961254	8.205656	7.462665	8.314282	8.025309	7.697925	6.647737	6.512136	9.240775	9.546684
Rbpms2	117.4842	121.3135	81.20288	77.73128	74.68679	77.63332	78.51552	76.05349	68.64579	62.59649	55.42293	53.06864
Ski	27.67943	32.45444	86.9095	85.84067	97.64175	91.82723	94.51059	91.01823	72.91173	71.63831	64.07258	62.71038
Gns	12.22648	13.99836	17.07637	16.72846	18.46837	17.00776	20.93754	19.65865	25.58019	24.48393	22.5959	23.49578
Kcnj10	0.190187	0.27135	0.647275	0.604515	0.730175	0.625634	1.114334	0.884121	0.740288	0.737272	0.726173	0.784259
Slc35e3	6.81912	7.11353	9.41026	9.562196	11.08806	10.33635	13.46459	13.20408	13.92599	13.22446	13.77898	13.96671
Mog	0.863057	1.608551	0.459059	0.758729	0.68491	0.55416	0.839775	0.770116	0.429935	0.644449	0.353066	0.527266
Dnajb12	7.126816	7.681595	10.46001	10.135	11.08553	10.42262	12.31555	10.93057	12.41797	12.08957	14.60192	14.79749
F8a	0.973741	0.895362	1.665153	1.724972	2.2824	2.143194	2.604893	2.24513	2.175874	2.093828	2.456403	2.518348
Zfp61	3.267238	2.81563	5.330301	4.844069	6.057962	5.963859	6.790261	7.067859	7.191957	7.049036	5.907551	6.333934
Sptb	2.89868	3.634176	1.506196	1.503503	1.506952	1.329491	1.263708	1.068645	0.941425	1.050408	1.017028	1.030845
Arsb	0.171933	0.195383	0.830352	0.883611	1.20167	1.175654	1.28827	1.186657	1.368751	1.288021	0.945688	1.095212
Adcy9	0.838991	1.053729	2.032449	1.783035	1.995498	1.721554	1.719566	1.60181	0.985524	1.274063	1.140966	1.223837
Rian	46.39423	41.65144	27.67757	27.92635	31.40344	31.56968	38.16418	37.2202	32.87069	33.8101	23.00379	25.59219
Mmgt2	1.584917	1.996247	2.493685	2.678959	2.95097	2.786912	3.229886	3.391697	3.742218	3.894346	3.02287	3.249378
Tctn1	2.947357	3.082763	6.519609	6.374045	5.740184	6.14944	5.23373	5.274647	4.007082	4.386531	4.343935	4.908767
Dlx3	0.061743	0.105068	1.296682	1.187035	1.537469	1.269223	0.997505	0.880893	1.217146	1.279694	1.096978	0.919169
Optn	5.637537	6.30293	3.105013	3.165991	3.114023	3.183499	3.134682	2.958328	2.479657	2.191603	2.562351	2.660087
Slc22a17	4.562614	4.827963	8.963327	8.046233	11.40673	11.40399	11.23309	11.68613	10.42606	9.61772	8.727971	8.218482
Pvrl1	7.047454	8.996073	15.6142	15.00315	12.05028	11.79963	13.26457	10.33969	10.33489	10.4165	11.28335	10.81991
Tmem80	2.201867	2.087313	3.575606	3.800721	4.762976	4.199032	4.349961	4.154423	2.96782	2.894858	3.955521	3.627136
Csk	14.02037	16.02556	22.89506	20.96475	24.91249	23.92089	28.76706	26.14529	31.08454	30.40949	33.97264	30.08561
Nanog	212.3403	198.7739	97.90982	96.77117	96.63439	92.13134	99.19887	110.0561	119.2337	133.586	105.0152	103.8516
Epb4.1	12.4641	13.63736	18.42418	18.7489	21.27283	20.80963	23.33265	22.76605	26.1833	27.16483	21.18005	20.10768
Msantd3	44.98188	37.8537	20.35606	20.36663	21.72422	21.30447	21.25382	23.1254	27.47539	25.60399	29.86814	29.49909
Fam185a	9.632197	9.333172	6.344297	5.920168	5.414145	5.117716	4.111837	4.087516	4.860444	5.06343	4.644463	4.62407
Calcoco2	8.995987	7.321503	29.32459	27.98867	31.93027	30.48811	34.10236	35.47558	37.80354	40.53669	38.58473	35.78864
Tmcc3	0.671034	0.698455	2.104457	1.738195	2.382502	2.056204	2.354253	2.517093	2.09401	2.048548	2.043186	2.055048
Mast2	10.35859	12.5658	16.79636	16.28821	16.70377	16.10415	18.87977	17.01727	19.67269	20.50689	24.14544	23.31327
Stx18	3.001664	3.297977	5.141144	5.158151	6.341368	6.278975	6.395697	7.353231	6.345826	6.023396	7.549068	7.467129

Ppp1r1a	8.064954	7.619223	2.602151	2.974305	2.985222	3.020909	2.749622	2.967646	3.573066	3.618601	4.718974	4.296042
Fbxo11	12.61028	15.37989	19.75725	19.79603	20.01073	19.9192	22.28213	21.16541	26.4193	27.01729	27.18231	28.64373
Zfp296	19.73677	25.56783	9.268227	9.127063	7.199847	6.55603	7.770902	7.903078	7.242185	7.20363	7.656369	6.309471
Man2b2	3.65665	3.971689	5.81504	5.871797	7.228027	7.019144	7.683201	8.205259	8.423702	8.491441	7.568163	7.292769
Lrrc41	6.867692	7.220989	8.647425	9.122023	9.443318	9.367687	10.08601	9.449873	12.47817	12.46391	14.07337	13.18343
Blvrb	25.82692	22.03019	15.06313	15.35059	16.23664	16.44765	14.14474	15.13606	12.3745	12.39536	10.43069	11.382
Trp53inp2	6.462392	7.091342	11.56297	11.17545	13.02151	11.75897	15.2249	12.42643	13.25914	12.72545	16.91518	16.14706
Mrps31	53.16384	41.71318	37.53874	36.14575	32.31032	30.88618	26.71632	30.35987	25.82998	25.01734	29.5639	28.96457
Fam110b	3.976025	3.936689	3.065161	2.607859	2.398758	2.397755	2.343455	2.542918	2.114113	1.85734	1.84686	1.805435
Slc4a2	3.62268	3.912428	7.815919	7.467069	8.220614	8.386877	9.63964	10.02411	7.442541	6.940159	7.532716	7.575209
Sertad2	4.451881	5.667406	9.332718	9.515077	9.534315	8.641189	10.25072	8.291167	9.185027	9.298276	10.96697	11.9668
Crebbp	6.763178	9.863649	15.10652	16.20519	13.61883	14.91776	14.63704	11.23802	13.0141	13.13091	14.2753	14.50684
Ttpal	2.430121	2.470711	4.741765	4.357147	4.858154	4.262092	5.546913	4.726093	4.116158	4.123546	5.613083	5.946011
Aldh18a1	12.3787	13.62749	24.77045	24.07549	24.32061	22.97288	24.23673	20.88888	23.8584	23.53806	30.90737	30.09276
Sun1	41.74737	41.15767	29.41627	28.27559	26.944	26.81676	24.24898	26.92534	22.20773	23.01305	20.02692	19.63359
Zfp386	3.420067	3.294016	5.117408	4.915888	5.317247	5.162185	5.052217	5.383978	7.401173	7.077841	5.772419	6.460014
Cenpv	77.29008	65.09974	43.09121	42.08771	46.95143	48.75286	37.20968	40.96329	39.53816	36.67909	38.7145	33.88149
Kdm6b	6.070004	9.2421	21.03342	20.95816	21.05763	19.74304	19.93048	15.51671	16.24411	16.57648	15.5377	14.59318
Ube2r2	20.16807	20.73367	24.73945	25.66283	30.80045	27.80382	35.16879	34.90296	40.51589	36.84634	37.2714	36.03593
Rbm15b	11.10003	11.78698	16.12669	15.47881	16.26398	15.91562	18.49205	16.36137	19.81193	19.14319	22.84214	22.21525
Stim2	2.931031	3.256855	5.102101	5.140696	5.664546	5.318107	6.286835	6.447028	6.120624	7.034196	7.962492	7.376011
Hectd1	10.47013	12.99245	19.6964	19.91015	19.21284	18.62295	21.19248	18.89349	24.64681	25.82137	25.00307	26.71889
2310030GC	3.262425	3.000136	1.305971	1.71711	1.18516	1.352086	0.970242	1.584877	1.66311	1.511485	2.006797	1.939661
Pcolce2	4.115962	4.055595	1.931644	1.694817	1.415691	1.61834	1.333141	1.510138	1.140298	1.181416	1.369137	1.310126
AA415398	0.444023	0.412618	0.950156	0.920762	0.991539	1.074531	1.097372	0.957473	0.795092	0.749733	1.113575	0.98189
Usp49	1.136077	1.283509	1.642225	1.772516	1.874002	1.8716	1.953338	1.675447	2.495155	2.400715	1.938213	1.899053
Cyp2s1	1.886849	1.841009	0.47403	0.545079	0.490899	0.541395	0.554612	0.607893	0.709723	0.689181	0.886234	0.77556
Cdh24	2.394027	2.259793	5.428591	4.738039	4.966546	5.194718	5.707968	6.786107	6.841528	6.725705	6.674986	6.401906
Gcnt2	10.10376	10.49212	3.983497	4.106081	3.456943	3.479279	3.272536	3.576247	3.200218	3.508919	4.762485	4.982827
Cox6c	95.52612	68.18899	47.02325	50.3476	51.89454	58.09966	45.2077	49.05772	45.81236	42.40305	41.1708	40.56977
Rtn2	7.664196	8.177768	5.146594	5.177659	5.282681	4.535802	3.833032	4.21708	4.905575	4.361674	5.450307	6.037457
Gemin6	42.13572	37.76965	28.51874	27.28801	28.33318	28.2471	22.97975	26.90518	20.98497	20.44704	20.0052	19.7369
Sh3gl2	9.257387	9.217194	4.109817	3.872252	3.558207	3.494236	3.27292	3.162187	2.983936	2.840587	2.761901	2.706615
Wt1	7.603951	7.978422	18.18822	18.18722	19.74395	20.19775	26.93191	26.01199	23.44488	23.06718	22.05338	22.58922
Baiap2l1	1.770435	1.928782	5.326292	5.58411	7.102797	6.355992	7.739385	6.740662	7.458396	7.98511	6.153418	6.179957
Cyth3	5.135072	5.36719	7.292368	6.921429	8.225452	7.827611	9.365882	9.328281	10.3164	9.892781	9.265889	9.886869
Mapk4	5.876526	6.741971	3.696897	3.595216	4.125103	3.585148	3.621018	2.892791	2.487486	2.667012	3.891091	3.809081
Aak1	2.145437	2.755885	4.084771	4.238481	4.707815	4.708752	5.7989	4.069017	4.873592	5.81077	4.775485	4.904601
Socs2	39.67673	36.60006	15.91792	14.83721	14.54945	14.30045	14.98238	15.87648	17.7593	17.8188	12.71902	12.48399
Zak	4.144301	4.937812	6.205568	6.781015	6.896694	7.078054	8.014135	6.88622	7.383745	7.834235	9.022867	9.663996
Cep70	13.53425	12.83151	10.2973	9.799275	9.115091	9.144207	8.185786	10.05322	7.556627	9.076182	6.6544	7.058037
Fbln2	0.504661	0.629552	1.298634	1.315849	1.425607	1.492571	1.552687	1.204482	1.287368	1.259504	1.177372	1.048084
Ly6e	40.75944	42.39001	20.20699	20.8908	22.01142	20.80765	20.28576	21.985	21.18809	21.17938	15.91977	15.43955
Als2	8.614889	10.42871	18.05266	18.25907	16.70993	15.63057	18.5174	17.11513	14.05322	14.6997	12.45915	12.83353
Dnajc21	48.75802	49.69228	32.37409	31.40665	28.65243	26.66701	25.0232	28.95783	25.23538	24.53879	22.50952	22.07777
Nrip1	1.672381	2.251495	19.12441	19.89851	22.1978	21.77417	25.96759	21.22362	19.08001	19.88335	28.62236	28.28362
Cml1	0.47378	0.578943	1.283877	1.148003	1.065754	1.024081	0.7643	0.963966	0.635439	0.807664	0.954777	0.919157
Rap1gap2	0.718682	0.909647	1.167972	1.150446	1.530876	1.635084	1.749377	1.584602	1.350824	1.564113	1.296871	1.248983
Spen	10.44112	13.9313	21.26101	21.06754	18.36879	17.72537	18.41734	14.83102	16.14847	15.77252	19.15413	18.38362
Scap	7.510497	9.049279	13.61786	13.56279	14.63903	13.49992	17.30584	16.31414	18.75795	16.78612	20.08864	19.16624
Tbc1d4	0.314456	0.476765	0.892622	0.859294	1.04001	0.89763	1.105376	0.968717	1.264648	1.219038	1.017457	1.099168
Lrba	3.518818	4.490457	6.946903	6.826474	7.098021	6.797235	7.795836	6.549631	6.504888	6.929019	4.850243	4.885651
Plxnc1	0.36044	0.440697	0.926397	0.996613	1.100609	0.962121	1.148241	1.363769	1.322585	1.141792	0.917551	1.035776
Uchl3	128.6127	103.5672	86.79683	83.27952	84.29567	84.66589	68.05312	73.55459	67.49062	66.17161	59.06396	59.73228
Bcr	3.874941	5.523353	8.485639	8.513495	9.394162	8.597864	10.70274	9.678839	11.41301	10.90658	12.30206	12.06698
Fam83d	9.614412	9.927418	15.70585	15.88238	18.67627	17.0736	20.59806	19.95513	15.70324	14.09567	18.68091	17.23464
Atp1b1	43.0321	47.41535	26.37447	25.19429	21.47984	21.04013	20.05162	21.05342	21.12431	22.07677	18.25511	17.80209
Sac3d1	15.05964	14.4779	21.12198	18.4457	21.23536	22.38727	24.31935	25.30959	25.16173	20.94386	30.38409	26.08858
Slc25a10	5.191132	4.939709	6.716708	7.847438	7.923821	8.747003	10.08884	11.09705	11.09894	10.6415	10.38765	9.495329
Gfod2	2.176518	2.543848	2.920442	3.178011	3.429819	3.187305	3.745318	4.490711	4.611553	4.360836	4.201924	4.264452
Foxo6	0.631811	0.849071	0.846865	0.85198	1.3777	1.172449	1.485686	1.147034	0.89731	0.974106	1.382472	1.203319

Tmco3	2.944664	3.032827	4.893892	5.342046	5.78762	5.417564	6.090139	6.834138	5.183073	5.127304	4.949269	4.843161
Lrp1	4.577385	5.859418	11.24802	11.8765	13.35873	12.37886	17.38452	14.06831	14.34376	14.73406	11.00612	10.45055
Sgk3	3.006711	2.832958	1.286536	1.411562	1.823225	1.639593	1.890182	1.550248	1.639256	1.724739	2.102504	1.989407
Whsc1l1	5.078493	5.914761	7.723586	7.917163	7.566263	7.821928	7.955284	7.513576	9.658207	10.58138	10.25056	10.51724
Foxp4	17.04164	20.94157	31.37667	31.13384	30.04538	28.53462	33.2729	29.8618	36.84184	35.03683	43.50941	40.16867
Sec24d	11.2412	12.40711	18.51519	18.1154	23.75951	23.60928	27.50709	25.48763	19.9629	19.97192	18.10759	18.66585
Aldoa	829.0662	829.0274	432.5061	427.6225	408.7707	391.1101	350.5247	361.7147	428.661	453.4896	360.3011	322.5904
Gypc	0.258749	0.300924	1.237794	1.165295	1.581476	1.425419	1.733191	1.547904	1.294221	1.140272	0.833427	1.101569
Tulp4	4.052821	4.698666	6.168557	6.56017	7.067825	7.307586	8.078937	6.816943	8.786232	8.820655	8.593126	9.213917
Kat6a	11.985	14.50552	18.72309	19.76795	18.13599	18.26657	19.33234	17.38809	22.48513	23.7183	24.16788	24.41625
Insr	2.214239	3.012308	3.776438	4.027967	4.570528	4.241961	4.777353	4.198249	4.684229	4.978379	3.421728	3.552182
Ppp1r9b	7.389598	9.345213	23.46232	21.74311	23.07507	21.63112	24.15782	23.08007	24.08045	24.16684	33.75381	30.29812
Thap2	2.021576	2.33275	3.399168	4.091439	3.907138	4.253361	4.786973	4.194384	4.965604	5.728665	5.463311	5.671717
Trmt12	0.921461	1.049151	1.833865	1.745854	1.681218	1.880029	2.071674	2.154548	1.851914	1.539127	2.434901	2.123141
Gm608	2.535894	3.258324	4.025711	4.436646	4.555395	4.471118	4.952699	4.071551	5.11013	5.697532	4.49439	4.721145
Ncoa7	3.231564	3.790126	5.473257	5.345943	5.313143	5.503748	6.463559	6.132657	6.616674	6.872389	7.314877	7.480744
Pgk1	444.0882	360.7283	159.7992	161.3659	173.2856	164.4678	153.9835	160.7092	193.3273	224.7406	171.0059	168.7953
Tmem60	11.83062	9.683278	9.482721	8.873038	10.55284	9.563618	10.54669	8.253838	7.158268	7.877509	5.783545	6.839113
Axin2	1.360141	1.496058	1.683132	1.86916	2.37358	2.436067	3.363885	2.299348	2.898052	2.61322	2.383665	2.490503
Prrx2	2.152661	2.442706	5.174006	4.632854	5.198628	5.838405	7.189111	6.472277	6.742916	5.945522	7.063712	6.455194
Fgf13	1.040268	1.154115	1.68962	1.987682	2.610056	2.31709	2.722755	2.775642	2.663258	2.624711	2.520398	2.260244
Pld2	1.189672	1.311379	3.103073	3.316072	3.735828	3.639154	4.354347	4.444624	3.460233	3.850728	3.459757	3.184179
Lrp2	6.537849	9.334888	18.19278	18.63501	15.97069	15.22125	19.60153	13.96009	17.27431	18.41625	17.71537	19.48118
Setd1b	5.604269	7.780894	12.11995	12.61555	10.97848	11.02201	12.31717	10.73362	10.63803	10.03085	14.73809	13.99796
Ccdc160	3.007204	3.271397	6.19446	5.791123	5.037368	4.824402	4.289037	4.515839	4.704593	4.404619	4.779575	4.152891
Map6d1	0.678749	0.677811	0.835513	0.924601	1.390632	1.097492	1.075558	1.288738	1.142088	1.137387	1.141446	0.962165
Zfhx3	1.958239	3.034123	6.747627	8.265229	7.312374	7.748535	8.70117	6.545364	7.328212	7.166529	5.766936	5.930357
Klhl18	2.173335	2.409404	4.083636	3.96277	4.577635	4.449925	4.844727	5.042406	4.175997	4.453899	5.520451	5.52173
Cables2	2.772194	2.846656	3.998828	4.177239	4.773381	4.041416	5.206299	5.631038	5.152475	5.563839	5.614067	5.568694
Simc1	3.832832	4.390494	5.485823	5.634658	6.284741	5.805253	6.002922	5.397642	7.141215	7.328826	7.704499	7.519863
Rcsd1	1.117958	1.041597	3.345638	3.120265	2.927092	3.047147	4.22053	4.054793	3.506307	3.424111	3.735142	2.911514
Col27a1	0.336514	0.455037	0.948111	1.121636	1.280751	1.289996	1.094138	1.391482	1.147828	1.30753	0.873415	0.999858
Fastkd2	17.53585	15.02493	13.99829	13.67597	10.7426	10.3708	9.12959	10.30115	8.755261	9.838738	10.35953	11.12783
Ctdnep1	12.41507	13.70842	19.5471	19.59139	20.79956	19.26048	22.74398	21.37393	25.04703	21.26025	26.01862	26.75846
2010315B0	0.445678	0.45141	0.897915	1.151274	1.028426	1.194075	1.150918	1.161403	0.898842	0.860009	0.969556	1.072458
Mast4	1.409554	1.68675	1.973323	2.125995	2.08839	2.119607	2.551834	2.026971	2.835475	2.812467	2.574574	2.607218
Gata2	0.36121	0.403399	1.745394	1.379074	1.398366	1.287065	1.48448	1.315923	1.047687	1.059938	2.131978	1.470276
Nipa1	0.925026	0.846242	1.55488	1.367051	1.492473	1.529392	1.881336	1.26628	1.336602	1.425515	1.518291	1.754932
Zbtbd6	0.999962	0.98881	2.415919	2.21074	1.972434	2.218174	2.244771	2.404649	1.597836	1.791447	2.955384	2.481598
Mall	0.321522	0.462653	1.132657	1.268054	1.215368	1.450196	1.279654	1.051355	1.12594	1.047458	1.259861	1.210769
Fgd6	1.795771	2.234105	3.603888	3.999356	4.12017	4.06519	4.707117	4.323145	3.927367	4.204698	2.987427	3.124613
H2-K1	15.04983	13.434	20.53862	21.61029	30.26856	25.33919	25.75413	28.91054	24.00338	24.20544	36.24595	29.89016
Cnppd1	3.558379	3.456164	6.486666	6.443681	7.28488	6.648981	7.391273	7.613188	7.351765	6.815541	9.659509	8.902609
Dync1h1	24.6809	35.7396	54.15592	53.35931	45.41732	42.45481	49.46541	38.62238	43.95755	47.00854	44.48417	43.24581
Wbp1l	11.0774	12.80644	18.13458	17.32882	18.97872	18.67519	22.48597	23.8988	21.64159	21.37659	20.37574	19.5394
3110062Ml	0.613561	0.725876	1.165599	1.012806	1.225441	1.050661	1.333552	1.094966	0.969139	1.089969	0.705505	0.794196
Chmp4c	13.32898	11.3952	5.340067	4.978051	4.274985	4.48765	3.744507	3.610988	3.843438	3.649494	3.580048	3.631472
Xpr1	3.021934	3.726209	7.775801	7.735498	7.991971	7.49452	8.718606	7.865542	6.464887	7.178133	5.845983	5.705658
Foxm1	15.30415	17.67868	24.21619	24.4755	26.81506	24.58673	27.26478	25.40987	29.12511	28.97557	34.37943	33.72712
Sult5a1	1.000338	0.95996	2.068414	1.538216	2.119321	1.99123	2.264927	2.119208	1.853222	1.740907	1.227423	1.677706
Pecr	23.77463	20.35219	14.28024	14.08545	16.83133	15.97284	15.17676	14.73982	16.07488	15.88485	11.99593	11.60499
Nudt4	67.25074	66.34849	119.3398	113.6341	128.6364	124.7227	143.4519	141.2685	151.7834	156.2142	122.3449	123.7097
Sort1	8.804263	9.109077	14.59137	15.22938	18.35814	17.00754	20.56317	18.27513	20.2556	20.93324	18.65707	18.96922
Wasf1	13.70867	16.68207	20.14793	20.27188	22.37266	19.99363	25.04518	23.23532	28.5961	26.46814	21.63398	19.26007
Dcaf5	3.913756	4.284908	7.652559	7.614784	9.313539	9.041604	10.33989	9.567226	9.831685	10.45855	9.362233	9.26114
Syvn1	7.249474	8.34328	15.10704	14.76111	14.11677	13.31873	15.21165	13.87633	11.87649	10.75016	12.59539	12.99802
Abca3	2.024299	2.320925	5.899291	5.716192	7.228667	6.941094	8.258349	7.208095	7.434246	7.846151	7.582921	7.174033
Plekhh1	4.77995	5.941325	7.796374	8.106305	8.945193	8.774011	8.65526	8.496117	8.823318	9.358575	11.76663	11.12499
Pkm	1552.424	1361.566	755.6665	734.7251	777.0955	738.841	705.2931	806.2411	853.7057	942.7619	726.6405	686.9824
Caskin2	2.870976	3.738939	7.674288	8.080406	7.876119	7.489711	9.289194	8.433984	9.123012	9.095138	10.81147	10.27461
Dgke	5.084867	5.498531	3.760334	3.512069	2.709912	2.70377	2.30397	2.560368	2.876456	2.721741	2.689048	2.776865

Phip	10.62338	13.31021	20.05246	20.72526	20.15819	18.61386	20.27207	17.43355	23.17305	23.87712	21.8361	23.32871
Phf13	11.04302	12.70441	16.96566	16.91461	19.34931	18.75059	22.97889	20.76483	23.2937	23.15871	18.50588	18.14067
Pde4dip	2.604743	3.139161	5.95229	6.200548	6.127036	5.927503	6.010425	5.433136	4.260707	4.530519	4.801826	4.572139
Tktl2	0.371367	0.420747	1.562538	1.44619	1.424265	1.317554	1.801193	1.802909	1.373332	1.509159	1.677533	1.666624
Apbb2	2.896381	3.655533	5.077546	5.14983	4.364443	4.29536	5.307037	4.059523	5.153484	5.302834	5.894225	5.552112
Med14	11.57598	14.11567	27.36339	28.60071	31.28851	31.00151	36.81512	32.22743	26.03086	27.09462	22.33764	23.56926
Casp8	0.608386	0.909148	2.002808	1.666279	1.769444	1.838551	2.168454	1.903692	1.851433	1.392573	1.079358	1.510465
Rpl26	1947.75	1540.458	931.6502	976.7419	1197.257	1202.474	1047.551	1334.606	1104.817	1088.857	1000.362	976.8869
Tpd52l1	15.50006	13.63573	8.517322	9.47215	10.90127	9.732822	10.00804	9.950471	7.826045	7.284525	8.327712	7.44833
1700048O2	0.919517	0.65184	1.902966	2.009062	2.47716	2.549013	2.389385	2.711555	2.050641	1.985894	2.633387	2.50327
Cdc42ep5	9.475512	8.147709	3.115005	3.209392	3.12573	3.595664	4.042071	3.977987	3.963454	2.914521	2.158942	3.053262
Pde8a	4.5868	4.749501	1.699208	1.731647	1.647397	1.724964	1.801001	1.787409	2.011824	2.353501	2.28926	2.223371
9130023H2	0.405247	0.308796	0.811263	1.09336	0.798977	0.988457	1.052783	1.060105	0.991345	0.876818	1.20749	1.195428
Med13	5.752368	8.345346	12.73263	13.13616	12.26701	11.88468	12.55036	10.27912	12.7333	13.15083	13.52349	14.01229
Vps37d	1.330969	1.386157	1.858099	1.92987	2.243138	2.386003	2.448022	2.549764	2.816987	2.041363	2.957739	2.629582
Inpp5e	2.843675	3.40647	5.069285	5.205414	5.604959	5.909011	6.870389	6.600043	6.93025	7.08917	6.734475	6.261634
Zhx3	0.459437	0.502147	0.774522	0.892305	1.025788	1.163893	1.290887	1.156607	1.145279	1.214456	1.070306	1.139342
Plekho2	2.183421	2.246359	3.969637	3.898306	4.648529	4.420268	4.928727	4.72826	4.099107	3.693001	5.448671	5.026178
Gcat	26.18294	24.22844	17.10375	16.8957	15.07636	15.43705	13.17062	14.66454	20.23143	19.93847	17.82764	17.09265
Lyn	1.211488	1.088758	2.427485	3.050482	3.176664	3.381344	3.682134	3.924764	3.594549	4.147067	3.877708	3.693243
Tcl1	31.65067	34.00786	3.938121	3.075458	2.464947	2.449402	2.311082	2.547853	3.004858	3.164826	2.485694	2.329796
Dock3	1.058012	1.191121	2.249853	2.378569	2.491282	2.676385	2.442292	2.344907	2.221258	2.246249	1.926321	1.971043
2010012OC	2.157609	2.248286	3.758413	3.385911	4.405009	4.407464	4.028391	3.618415	4.45135	3.827886	4.550733	4.596763
Zfp746	7.265456	6.749566	12.48852	12.04713	11.47058	11.17563	11.47779	11.50176	12.25008	11.80715	15.82969	15.16165
Atat1	4.033404	4.395399	5.907026	6.373932	6.622413	6.375981	7.052752	7.580763	8.65811	8.646267	6.291202	7.04818
Myb	2.273066	2.667396	0.544981	0.654296	0.469097	0.497642	0.452758	0.482381	0.384562	0.553537	0.697012	0.551893
Eepd1	0.851066	1.077287	1.945136	1.71324	1.599105	1.719527	2.148168	2.323561	1.818507	2.028119	1.900035	1.751007
Cux1	3.049438	3.895426	5.410786	5.918842	5.899573	5.870517	6.192595	5.276283	6.574505	6.79079	7.072335	7.154819
C2cd2l	1.474122	1.761363	3.109608	2.881139	3.114475	3.310372	3.0712	3.48205	2.705427	2.568601	3.03258	2.880434
Eif4g3	7.387043	8.607075	18.02785	18.2961	22.3183	22.06655	26.53681	24.79335	23.39215	23.1408	25.15258	24.62533
Gltscr1	2.770722	3.758801	5.147254	5.149006	5.503066	5.362421	5.464941	4.966512	6.798823	6.729545	6.039172	5.409047
Nfam1	0.559871	0.603058	1.213318	1.331007	1.657635	1.418567	1.517689	1.333947	1.445812	1.690542	2.259973	1.801942
Hoxa7	0.337412	0.249787	4.462275	4.620858	5.859202	6.069734	7.748713	6.25356	5.394629	4.699347	6.048123	6.184874
Fasn	41.87138	58.84173	76.51404	76.70019	78.63089	70.46466	90.93529	74.27263	89.59796	92.62642	73.29601	68.45714
Stx3	15.22635	13.02855	5.592328	5.7802	5.685017	5.393285	5.718885	5.218605	5.24621	5.548992	5.925371	7.053373
Zfp398	0.92732	1.230997	2.454993	2.859161	2.412379	2.670104	2.475281	2.358738	2.823827	2.708723	3.006945	3.185291
Bcorl1	1.98319	2.904494	4.294936	4.648208	5.25448	4.575166	6.002392	5.34383	5.667192	6.17798	6.045252	5.799388
Ell2	19.42448	19.52167	14.44841	13.98176	13.25609	12.77432	13.57377	12.86371	10.36602	11.62712	9.505585	10.3563
Adcy7	0.727829	0.743604	1.720192	1.605201	1.824836	1.799645	1.92051	1.738087	1.776125	1.666174	1.429546	1.334822
4933427DC	3.177921	3.404289	6.45789	6.305282	7.760004	7.398073	8.31847	7.53029	5.641151	6.461644	5.986091	5.586858
Cacna2d1	0.69081	0.812594	1.262547	1.446374	1.592157	1.438237	1.804133	1.492822	1.152038	1.107603	1.127703	1.221025
Rem2	0.588179	0.577416	0.922037	0.949047	1.197899	1.028369	1.187837	1.144313	0.704236	0.912267	0.853812	0.851051
Ggcx	2.946917	3.866631	6.394309	6.570361	6.120792	6.377922	6.391706	6.208409	5.643515	5.866284	4.821405	4.891045
Gria3	0.643322	0.67887	1.450577	1.405179	1.419555	1.25344	1.432496	1.422397	1.237077	1.183427	0.882416	1.058953
Etv3	3.556847	3.710594	5.835546	5.777706	6.367204	6.418029	7.536876	6.923914	7.104748	7.084586	8.133401	7.756139
Zcchc2	3.522177	4.735984	5.586313	5.592735	5.853666	5.460168	6.229315	5.240165	6.559794	6.809508	7.238175	7.032056
Tagap1	5.126123	3.559125	3.49634	3.501165	3.081898	2.711459	2.496403	2.901864	3.587871	3.054105	3.336534	3.637304
Fkbp3	195.7178	159.6791	113.6997	103.5907	108.2843	106.6495	94.18397	107.1955	144.2862	135.0714	133.8639	138.9261
Sema3f	1.1534	1.177834	1.55916	1.913135	2.318225	2.07734	2.332972	2.486318	1.810293	2.065215	1.649898	1.854756
Celsr1	2.365892	3.176994	4.995857	5.36866	5.057993	4.460789	4.635813	4.139573	4.232164	4.005144	5.33118	5.127085
Irak4	0.897512	1.220222	2.451417	2.543388	2.302627	2.34381	2.791659	2.727209	2.117796	2.527862	2.14748	2.034808
Rpl34-ps1	974.2445	835.8874	444.0016	534.1062	624.8086	626.5102	655.4388	656.1393	610.2271	597.4564	530.4794	489.9845
Ddx58	7.134066	8.115406	2.029651	1.759643	1.336159	1.35545	1.543055	1.814678	1.494692	1.681869	1.62363	1.599276
Adam11	0.485992	0.717793	1.21611	1.125822	1.424168	1.285664	1.441598	1.506508	1.243276	1.06351	1.098378	1.197725
Mrm1	7.487963	7.022156	5.852183	4.884887	5.13906	4.973214	4.409163	4.541018	3.460811	3.718899	4.583525	4.320612
Tpcn1	4.31702	5.009562	9.110338	9.221612	10.30819	9.706478	11.31896	10.01916	8.42525	8.251112	8.185551	7.494785
Mb21d1	0.462564	0.41818	0.846997	0.860756	0.795575	0.752673	0.763507	0.925998	0.79415	0.850373	1.297683	1.005278
Gfpt1	7.221507	8.677296	13.63258	13.42903	15.77217	14.90276	16.33684	15.58229	15.06926	16.69344	12.09073	12.50305
Armc5	2.44948	2.899657	5.507038	5.496629	5.026135	4.453726	5.201938	5.024093	4.838148	4.411165	6.767249	5.883992
Kcnh2	3.549726	3.773641	5.966109	6.079042	7.210225	7.012448	7.772355	8.094316	6.54523	6.079188	8.024749	7.34294
Ammecr1l	5.666618	5.97003	10.15125	10.14437	9.606201	9.809269	11.15914	10.51537	10.70618	10.40745	12.74705	13.0596

Stau1	14.36199	17.23091	23.14992	22.45275	25.03694	23.5669	27.65245	27.2178	29.79159	29.85903	29.83433	29.48069
Ebp	5.702225	6.382482	9.260663	9.032533	9.197886	9.379228	11.93856	11.34705	11.31736	10.70991	11.30161	12.01153
Tmem106a	3.202558	3.039937	1.336099	1.465198	1.368329	1.395357	1.552981	1.486312	1.266092	1.428736	2.055626	1.855194
Trrap	12.34389	16.02833	25.33811	26.17417	22.75833	22.97545	26.28435	20.76138	21.23377	22.92418	20.67802	19.68658
Ticam1	1.091953	1.216141	1.574352	1.810476	1.791275	1.929819	2.046185	2.239971	2.248763	2.405624	2.015037	2.059791
Stra13	44.95566	35.22367	23.0331	25.51965	25.47868	26.42139	22.95232	24.15829	21.1128	20.75654	21.0907	19.89079
Dagla	0.411976	0.497462	0.861425	0.888067	0.882861	0.818987	0.862237	0.806906	0.772352	0.702613	1.152638	0.933079
Tmc3	0.223754	0.21697	0.904857	1.137896	0.967733	1.056353	1.209971	1.069784	0.798233	0.857142	0.914188	1.061148
Ptpdc1	1.632105	1.71038	3.603151	3.192605	3.597954	3.490447	3.362233	3.631928	3.916238	3.772732	4.092963	4.235414
Camk2b	10.60546	10.58586	5.138183	4.865952	6.462883	6.454766	6.848888	6.248945	6.434692	6.091406	4.844512	4.931561
Zfp628	2.380878	3.398366	5.665476	5.652712	5.536809	4.774478	5.674969	4.947377	6.072328	5.694693	6.697699	6.332258
Dysf	0.66732	0.792771	0.968438	0.963589	1.045089	0.928993	0.951493	0.994109	0.760719	0.753033	1.435934	0.998075
Keap1	2.811528	3.053732	5.202215	4.896533	5.270281	5.405981	5.213097	4.686709	4.931021	5.236323	6.725227	6.21113
Gba2	5.078936	5.460056	9.35991	9.582681	9.784526	9.347052	10.20544	10.44724	7.979176	8.298086	7.695593	7.886789
Celsr2	1.682856	2.251068	3.305957	3.24173	3.450671	3.312512	3.898814	3.400716	4.119014	4.291576	3.68186	3.732972
Tepp	0.6633	0.652667	0.938705	1.478634	1.599327	1.349338	1.392351	1.11715	1.168779	1.167771	1.591201	1.273217
Nhp2	232.3323	196.5885	157.4988	151.835	134.8574	138.8948	112.1757	119.8664	128.6457	114.7287	160.929	150.0449
Slc26a2	4.550022	5.587726	10.41304	10.2789	9.138744	9.35927	8.806023	7.767197	8.206613	7.91341	8.375528	8.581481
Guca1a	1.781342	1.775382	2.478919	2.854192	4.072581	3.467042	3.951248	3.766586	3.442309	3.322865	4.213704	2.849319
Fzd4	1.056497	1.080884	2.089789	2.011326	2.524419	2.411122	2.643003	2.658133	2.431624	2.350181	2.239456	2.390763
Bace1	2.707045	3.409098	5.185748	5.42684	6.40765	5.835597	6.920577	5.577942	6.078013	6.175404	6.933331	7.170141
Pcdhga12	16.72144	18.03501	23.92033	24.53512	27.76857	28.03855	33.62033	28.74761	31.63964	30.09075	32.46571	32.40944
Uxt	16.87827	12.05887	7.259043	8.985781	9.236985	9.322738	8.035115	10.28398	8.789923	7.786613	8.32428	8.198722
Slc41a3	0.635194	0.691493	1.210644	1.038808	1.377405	1.237397	1.588186	1.360156	1.152981	1.312451	0.719233	1.029953
Tmem181a	7.733881	7.989936	12.68938	11.95504	13.73594	13.66903	15.38835	15.12084	15.42256	15.14851	16.84174	15.78761
Rpl31	728.6614	535.7074	357.4105	396.6135	479.6036	523.5576	434.8384	447.8036	445.993	409.7238	448.4475	405.2457
Slc25a36	54.31968	58.59555	35.24267	35.41757	31.79317	30.61955	32.96386	31.46291	33.44396	36.20601	24.57048	27.44659
Mier3	6.464436	7.072346	11.31005	11.38636	11.61617	11.24751	11.49758	11.4349	13.04964	13.38271	13.62347	14.83253
Qdpr	88.54513	79.19507	48.60273	48.59467	46.69189	43.81569	42.67346	43.21815	41.00531	38.33587	38.13593	36.86723
Iqsec2	0.526811	0.766785	1.374787	1.508796	1.780575	1.76405	2.184468	1.900543	1.827306	1.624458	1.571613	1.442468
170000102	1.059979	1.177061	2.172232	2.232937	2.540352	2.75243	2.904119	2.690933	2.854518	2.358158	2.248773	2.089064
Igf2bp1	42.26233	59.18376	83.27474	82.60019	79.7676	74.98791	92.15129	66.33444	78.78907	81.11519	86.8296	87.34629
Itga5	18.56035	21.74856	35.30517	33.22574	29.95162	29.09651	31.07848	29.37889	27.41501	27.53656	38.58867	36.25759
Zfp637	4.030156	4.024671	6.041939	5.630165	6.231829	5.672617	6.927832	6.813887	7.478726	7.052889	8.17089	7.407679
Wdr91	8.822167	9.422669	19.95774	19.92885	19.79879	19.48788	19.10327	19.327	15.69631	15.15216	16.68692	15.53301
Slc51a	0.390076	0.357644	1.591913	1.289826	1.309431	1.353196	1.780033	1.435305	1.60796	1.173251	1.076744	1.091536
Mageb16	8.724632	7.97542	4.376693	5.072286	6.091323	6.148105	6.302937	4.676597	6.121583	5.824024	5.764135	4.825195
Zfyve16	3.208772	3.301657	5.448503	5.711888	5.881528	5.858475	6.54623	6.706185	6.690865	7.100882	6.957029	7.504631
Raet1d	1.258536	1.398212	2.970545	2.838834	3.165792	3.038163	3.650794	3.321808	2.674296	2.936576	2.390509	2.528625
Snrk	2.952969	2.994594	4.525578	4.580748	5.079139	5.130878	5.518674	5.458894	5.4364	5.774203	6.876699	6.012768
Sgpl1	10.90622	11.01745	16.45666	16.01998	18.28668	17.64016	22.64403	20.26859	19.57605	21.01798	20.51814	20.11433
Rpl22	328.1049	240.0558	159.9818	168.3553	191.0395	200.5939	168.6399	200.082	167.7912	171.8633	154.262	152.9303
Mpp2	1.044917	1.222003	2.133524	2.043197	2.275002	2.086701	2.490984	2.143347	2.15605	2.16746	1.709725	1.653931
Efs	7.859673	9.616421	13.19446	13.09454	12.32939	12.51185	13.67608	13.58371	13.20928	12.55017	17.64789	16.39517
Sepw1	39.87266	38.62794	67.15063	65.7285	69.47187	71.92621	68.8303	74.334	81.16525	58.0642	77.13337	76.0838
Aldh3a2	10.67214	9.839467	19.41253	19.54021	22.04762	21.97165	27.02733	25.57903	22.26013	21.12055	21.55889	22.07957
Fbxo22	45.88447	44.13631	31.82008	27.96998	24.94159	26.3097	26.44393	23.81079	21.86328	21.39191	23.42886	22.58097
Eda	0.612266	0.724221	1.368631	1.263425	0.994968	1.036723	1.198164	1.138397	1.240585	1.148569	0.843152	0.966855
Rnpep	7.562776	8.264586	12.49513	12.21851	13.69963	13.88976	15.4985	15.95693	16.56544	14.51081	15.98038	14.40782
Dip2b	6.499983	8.796858	11.75589	12.66771	11.91803	11.67471	12.31802	9.753023	11.67666	12.42373	13.08318	12.7273
Fbrs	6.615488	8.25438	12.67759	11.63341	10.60866	11.12243	12.39316	12.30924	11.36843	10.66455	13.74905	13.91628
Prdx1	711.4905	565.8295	386.4081	395.5651	424.3384	415.5898	397.1008	446.4427	381.1849	377.5945	332.898	342.2464
Sema5b	4.391064	4.91485	3.000802	2.800558	2.292632	2.379579	2.198959	2.148663	2.866801	2.387097	2.845256	2.764129
Nbea	1.641567	1.963286	3.637577	3.598624	3.817471	3.431972	3.99618	3.531258	3.242333	3.200516	2.738763	2.761711
Zcchc11	14.50796	18.55031	25.47799	26.3873	30.8049	29.36727	33.80699	32.07307	30.17554	31.20536	22.89711	24.65491
Rab13	3.21956	4.211889	8.569389	8.305414	10.27884	9.65422	10.88387	8.710986	9.98204	8.460041	8.427451	7.425785
Mgme1	21.29032	19.20913	14.27311	14.06854	12.09087	11.98207	10.82853	11.43623	10.65612	10.82219	11.8218	11.71414
Klf2	53.31161	58.04633	19.1252	17.68005	15.21265	14.38268	14.24846	15.1487	14.41025	13.60766	18.74036	14.66712
Tbc1d9b	4.640181	5.441781	8.137712	8.712318	10.08094	9.768436	11.88373	10.76154	11.26522	10.8725	9.366029	8.368262
3110021A1	0.442914	0.647653	0.86711	0.962122	1.276801	1.138718	1.092319	1.198793	1.006862	1.004416	0.907738	0.92311
Prkd2	1.846648	2.152711	2.921682	3.066428	3.383237	3.432759	3.537048	3.232213	3.065693	3.414898	3.746709	3.980899



Arhgef10	4.179589	4.166909	9.525921	9.62916	10.35762	10.18518	11.2476	10.66548	8.493028	8.95527	8.218286	8.215778
Nabp1	15.10975	16.12767	9.810367	10.06328	8.450816	8.063409	7.41111	8.150373	7.361544	8.14313	7.941956	7.753422
Fam222b	6.43934	7.378381	11.51659	11.78969	11.02799	10.76254	12.63816	10.78864	13.34183	12.69741	14.54734	13.95679
Prdm5	21.82693	22.85055	12.45781	11.41179	10.16564	11.04029	10.37034	10.60607	10.10881	10.92548	8.289065	8.80242
Secisbp2l	5.560482	6.367178	9.100553	9.075812	9.935731	9.655377	10.55798	9.922281	9.84986	10.64545	11.8235	11.75636
Eno1	1088.026	1031.578	652.7336	643.8577	601.0698	570.9142	498.963	551.2837	613.9343	631.5167	522.8475	497.193
Tor3a	9.875588	10.26899	3.398258	3.370859	3.250977	3.329937	3.262566	3.556346	4.315914	4.308384	3.693654	3.565443
Gch1	0.762888	0.8605	1.373336	1.329344	1.581613	1.535491	1.726476	1.570681	1.314607	1.214369	1.430412	1.440358
Crat	2.752149	3.665789	5.108589	4.987531	5.808368	5.69812	6.752899	6.446444	5.930987	5.585831	4.900532	5.006716
Ankrd52	6.487193	8.268291	10.7969	10.75299	11.02207	11.70913	11.84042	11.15748	13.10344	12.61167	14.33724	13.89657
Glis2	9.03215	11.05901	33.30432	33.43411	39.84777	38.84546	46.62616	41.54452	39.62456	39.21862	45.82763	43.18746
Nme4	47.977	39.69042	24.25943	23.1688	25.6759	26.88098	23.30882	21.48885	28.88205	27.68037	26.99611	25.19564
Zfp592	4.127263	5.412306	7.958504	7.897618	7.837622	7.546939	8.050385	6.88523	7.835081	7.89793	9.167543	8.857886
Ptger1	0.734074	0.714282	1.431832	1.48599	1.942587	1.789009	1.907893	1.818971	1.562298	1.472672	1.978485	1.8939
Ak3	9.171116	9.274589	17.3967	16.9778	18.29228	17.63381	20.06892	20.66864	21.83149	18.6196	20.203	20.203
Pgm2l1	3.022091	3.401747	6.32507	6.10245	6.577307	6.097281	6.978055	7.217092	7.542779	7.790297	6.268117	6.059653
Snx10	30.2526	29.27793	13.03613	11.85026	13.70004	13.1645	14.7113	14.02233	15.08191	15.22499	13.6236	13.09788
Gbf1	9.541588	12.00996	20.17495	19.46089	19.26927	18.93787	20.44235	17.88942	14.65641	15.15305	15.7981	15.38424
Katnal1	1.621747	1.742329	2.837993	3.23598	3.034981	3.166548	3.026911	3.08614	3.091611	3.606693	3.291114	2.808926
Zbtb7a	6.23434	7.255523	4.531717	4.02185	3.639041	3.818975	3.366552	3.433342	3.099562	3.134926	3.906197	3.310937
Ptprs	17.53074	20.13636	27.71236	29.18811	31.76451	32.18982	32.11115	31.67545	36.28478	37.40842	38.19768	37.14276
Chsy1	3.339805	3.231704	5.078204	5.740909	6.597855	6.643463	7.780052	6.534624	7.254842	7.350473	6.576266	6.636115
Fhod1	3.271347	3.915215	7.892348	7.588361	8.01369	7.723992	7.88247	8.090671	6.43254	6.334915	7.459199	7.020742
Hspa12b	0.502903	0.516477	1.017318	1.171809	1.404708	1.248793	1.61356	1.455585	1.413233	1.399731	1.181849	1.140277
Fcgrt	1.86782	2.156391	3.029127	3.036005	2.827688	2.705533	2.572401	3.074136	4.223057	3.431935	2.969299	3.453425
Pcgf3	8.241058	10.49049	15.19327	15.00264	15.6239	14.30288	17.12404	14.06378	17.67075	17.93895	16.24387	16.48648
Cdyl	38.87232	33.58528	19.77972	19.74308	19.78409	18.71393	17.54044	18.06513	15.44146	15.48548	17.51941	17.00584
Inpp1	0.824954	0.915218	1.424403	1.29696	1.665113	1.520848	1.573922	1.373424	1.250606	1.215064	1.48239	1.548605
Agpat3	7.020291	7.4246	14.84662	15.02961	19.1083	19.08834	21.42806	19.15438	16.25714	15.73068	19.33311	18.60991
Zfp277	25.91637	23.12497	14.55864	14.05405	15.02227	13.79597	13.33287	15.35146	12.51365	14.36859	10.1633	12.05589
Ptpn23	12.2197	15.15492	25.87442	24.00819	21.07655	19.6193	23.34831	18.87507	21.33331	20.36586	24.49462	23.36117
Prr12	9.347731	13.71767	20.86319	19.88833	18.61783	16.80152	19.11331	15.64962	17.80488	17.39754	19.95301	17.69183
Rad1	14.91255	12.3387	8.700553	8.891004	8.286327	8.337708	7.942398	8.245755	8.276764	8.182715	6.909877	7.007218
Zfp59	13.2499	12.45674	5.469814	5.514026	5.256105	5.350534	5.289923	5.947964	6.14118	6.786261	5.606891	6.622947
Al848285	1.911674	2.552393	5.926425	5.241908	6.316149	5.877674	5.678399	6.157151	5.375914	4.855639	6.929553	5.794723
Cacybp	225.769	189.3611	145.8949	138.2947	127.811	126.0249	111.4437	123.9817	132.8649	132.8411	103.733	109.0771
Fbxo46	3.165435	3.269151	5.355932	4.597872	4.847574	4.857349	5.587476	4.810127	5.520406	4.760172	6.438075	5.821795
Mical1	8.125162	8.021159	4.936495	4.513444	4.482252	4.110636	3.708593	3.857374	3.587792	3.839399	3.701511	3.566076
Kif3c	1.645547	1.978912	2.61785	2.976315	3.561518	3.465727	3.559129	3.756758	3.20263	3.533858	3.47775	3.472088
Hexb	18.34836	16.80002	10.993	11.79002	12.13269	11.33047	10.94138	10.75678	10.64829	10.22581	8.910847	9.343957
Csrnp2	3.479248	4.141362	6.990442	7.645241	8.474321	8.359452	9.395672	9.416582	9.155229	9.646448	9.665663	9.291024
Tex19.1	14.74194	14.2005	32.17175	29.86648	29.73473	30.77708	37.3165	33.89471	25.59315	26.89016	37.69252	33.26663
Zfp612	1.33276	1.368276	3.22911	3.339589	3.176455	3.361384	3.171283	3.340375	3.144481	2.849707	3.703883	3.591294
Bbx	8.091134	9.753623	12.5687	12.93582	14.509	13.62154	16.37927	13.60502	15.15836	16.29319	12.15851	13.25164
Tle4	39.34704	44.44806	23.36715	22.77735	20.44529	18.91612	19.93088	18.08833	21.59138	20.96022	18.51734	18.84449
Wdfy3	5.715654	7.299114	10.08319	10.65445	9.790318	10.39206	11.63194	9.800915	11.22514	11.61223	12.44562	12.33887
Zfp691	1.999005	2.105548	3.732973	3.855971	3.535542	3.696121	4.351304	3.063078	3.293202	3.433547	3.017453	3.086154
Gnl3	184.9283	164.2883	119.521	114.4254	106.7242	106.2031	92.08493	99.68279	133.2821	125.4811	110.31	117.6762
Gdpd5	1.334458	1.259751	8.843492	9.76851	8.767527	8.375573	8.903996	10.11398	8.28442	8.067265	10.23308	10.14836
Rasal2	2.850146	3.57183	4.392279	4.629639	4.494502	4.722577	5.014856	4.921348	5.430141	5.821021	5.74903	5.756833
Spry2	40.13388	42.44398	18.85168	18.9026	17.64541	17.18863	20.52676	17.66788	17.39024	16.96843	15.20671	15.05172
C2cd3	4.301696	5.21397	7.551675	7.87021	7.201392	7.04511	8.640271	7.213556	6.986515	7.232848	6.112947	6.273731
Mitf	3.386987	3.824198	1.734925	1.537316	1.745594	1.405989	1.333422	1.392282	1.393796	1.433586	0.985748	1.226107
Cpeb4	2.517665	2.876553	5.094414	5.216482	5.132713	5.209837	5.934686	4.892677	5.528326	5.532195	5.944081	6.10895
Vps9d1	3.579333	4.047013	6.652082	6.436517	6.720839	6.584634	6.083604	6.088518	6.600319	6.529174	8.023712	7.595518
Pnpla3	1.43754	1.654133	0.771725	0.717185	0.907069	0.775755	0.564047	0.747449	0.636171	0.622037	0.786888	0.631697
Plxna1	13.80427	17.86773	22.31006	22.0914	25.26879	24.79029	29.58116	24.81229	24.38915	25.26342	28.26468	27.54286
Rnl5	1.199585	1.321405	2.1341	2.093563	2.056128	2.187542	2.609115	2.347757	1.815418	1.956257	1.78009	2.435257
Rgs9	0.908254	0.842311	1.485976	1.527381	2.039572	1.726463	2.061485	1.664161	1.503834	1.688688	1.592386	1.38722
Lrp5	4.939801	6.967973	8.853616	9.071166	9.533994	8.843883	10.43494	10.11334	9.771343	9.751278	8.372086	8.133913
Dap	4.289688	5.043241	7.950029	6.959416	9.220883	8.211214	9.929095	8.650067	9.093634	7.495789	6.557061	7.382819

Trip11	2.838289	3.441406	5.421745	5.771472	5.741293	5.513062	5.961841	5.853046	6.562546	6.484152	6.443553	6.847672
Map3k5	0.973939	1.343919	3.102515	2.987977	3.507475	3.250483	4.357192	3.70637	2.943986	3.104598	3.267992	3.06819
Sat1	29.66084	23.49891	16.38145	14.59395	14.3172	14.72055	13.58005	13.41536	16.16123	16.64009	14.08641	13.92969
Cul7	12.27006	14.78052	25.41456	23.92087	24.78081	22.79342	25.80261	24.45903	21.84396	21.77926	29.4396	26.99582
Sugt1	99.20259	82.60479	55.52976	55.61059	49.66085	48.58822	43.89888	51.98379	42.94513	45.40361	44.6355	44.88945
Adam22	1.406356	1.567773	2.64925	2.466789	2.618015	2.724326	2.912546	2.514449	2.66479	2.903265	2.130656	2.344513
Klc3	3.399679	3.009673	2.112372	2.209517	2.300041	1.987309	1.508828	2.070929	1.667068	1.915526	1.577291	1.785893
Zfp69	1.629781	1.788425	2.709865	2.988674	3.495709	3.181504	3.525806	3.492213	3.623377	3.695994	3.19796	3.157374
Rcor1	8.513899	9.535819	15.15328	14.82714	16.57868	16.46449	18.12752	15.89721	17.84019	18.17979	17.30975	18.28713
Rnf165	4.591628	6.128863	9.05306	9.038435	9.788979	9.257302	11.4606	8.750663	10.46548	10.36422	8.733308	8.409354
Klhdc8b	1.603111	1.498039	2.913439	3.393213	3.163969	3.318415	3.443113	3.755297	3.093014	3.132727	3.386548	3.853364
Ildr1	9.982249	11.36254	3.840367	3.496964	3.880502	3.512663	3.662885	3.574347	3.864739	3.701938	3.474369	3.011732
Phka1	1.631982	1.741999	3.075684	3.154678	3.460709	3.222543	3.872847	3.732506	3.53722	3.545308	2.980413	3.045618
Tmem86b	1.142331	1.68334	2.330611	3.135105	2.969946	3.19763	3.250182	2.727511	2.73504	2.620895	2.459005	2.61625
Akap13	2.853108	3.871387	5.771986	6.217603	6.343168	6.147194	7.495501	6.261595	6.561525	7.060903	5.68544	5.779216
Hmbox1	6.754309	8.095275	11.35462	11.41126	12.1406	11.92975	13.27633	11.23228	13.67987	13.72256	12.93464	13.62819
Pard3	11.80313	13.53502	20.48708	19.87323	20.92915	20.21702	21.99941	20.64086	22.87049	23.37179	25.81713	24.17652
Tbc1d8b	0.585645	0.756606	0.892494	0.901127	1.209853	1.035744	0.983746	1.094853	1.020432	1.09075	0.831747	0.944798
BC017158	1.692619	1.66438	3.254603	3.357811	3.030461	2.985524	3.351879	2.838709	3.354854	3.153475	3.844486	3.448616
Dmxl2	3.907506	4.253648	6.848559	7.001577	7.584825	7.202663	7.916334	7.245986	6.482106	7.236433	5.802249	5.971469
Zfp777	8.808867	8.390905	18.80334	17.32994	18.22482	17.77974	17.01963	16.94222	18.08186	16.91508	21.67404	20.52404
Med21	21.95301	16.5427	13.32236	13.86539	14.16562	13.12087	11.1264	13.29679	11.99652	11.54091	11.00388	11.44517
Rragb	21.6992	20.61336	13.13314	13.07417	12.09695	11.07372	11.26281	12.76495	13.53908	13.37095	10.40765	11.70405
Ssh2	1.717892	2.227225	5.386887	5.393534	5.898039	6.15357	7.248323	5.9286	5.406996	5.523539	5.060008	5.104373
Nf1	3.571338	5.389823	7.131029	8.051468	7.463674	8.067065	8.056337	6.898118	7.703039	8.309455	7.928692	8.155668
Gas2l1	5.772648	6.464784	10.67984	10.00153	10.15739	9.593597	10.74867	10.237	10.17885	8.986967	12.78043	10.82292
Pramel1	0.974513	1.164245	2.393856	2.154805	2.191231	2.017575	2.666153	2.264516	1.908628	1.919171	2.715001	2.307226
Nckap5l	1.901015	2.687231	5.947197	5.407192	5.572434	5.012221	5.986796	5.639889	5.947401	5.168928	5.158936	4.693895
Fam193a	8.791379	11.10573	16.03504	15.65279	15.62553	15.45736	17.36412	15.12852	17.96146	18.16965	17.87593	18.03052
Synj1	3.066611	3.765885	5.894672	5.936592	6.091124	5.651171	6.189735	4.944511	5.068032	5.245215	5.796031	5.879159
Kremen1	3.758401	4.627228	6.262197	6.253932	6.718576	6.853398	8.130468	7.21923	6.991267	7.24838	7.613426	7.505708
Garem	2.614994	3.501671	4.731772	5.253355	5.100155	4.954698	5.277072	4.379212	4.859299	5.223493	5.685041	5.163697
Zfp97	13.45322	11.72314	7.157455	7.588441	6.928113	6.327864	6.313634	6.94974	7.413798	7.478641	5.839192	6.718104
Atad2b	7.626773	8.719369	14.62772	15.19129	15.6005	14.57545	14.4838	15.04586	15.5808	17.00439	17.18657	17.47603
Ntan1	28.45947	22.07026	16.97163	16.82332	17.35019	17.74993	16.0684	17.43057	14.56549	14.80393	13.69142	15.45112
Cnnm4	1.185148	1.809958	3.426142	3.541563	4.512707	4.042674	4.95245	4.01983	3.311814	3.934305	3.774896	3.384061
Fam53c	10.23452	12.06282	18.26843	17.15867	17.393	17.86559	21.08343	18.14987	18.68385	18.90193	21.71835	20.46647
Tspan33	1.272589	1.085427	1.818127	2.276937	2.756943	2.276754	2.604831	2.713496	2.498235	2.391189	2.907399	2.694098
Ctdsp2	23.74945	25.82347	45.3293	44.73843	54.24154	53.1461	58.3918	52.99878	46.23689	47.16264	43.77459	44.61257
Tradd	2.420572	2.651798	3.792153	4.158139	4.578174	4.124713	4.666454	4.883723	4.62784	4.302598	4.999657	4.101975
Mark4	6.250884	8.171575	11.77808	12.22467	14.18978	13.26913	15.39988	13.98336	14.06675	13.55196	13.88958	11.74715
Ehd3	1.020444	1.127494	2.213604	2.328438	2.642503	2.657426	2.917762	2.48557	2.858436	2.756073	2.852361	2.766416
Zfp960	11.2673	9.599439	6.638062	6.377392	5.886124	5.739448	5.501978	6.045099	6.659185	6.805294	5.416253	6.099554
Stk17b	11.70485	10.99065	6.099802	6.340102	6.483852	6.685444	6.833184	6.988078	5.515253	6.679321	6.238053	5.898823
Camk1	1.388973	1.256393	3.710684	3.069633	3.478369	3.451981	3.719835	3.635558	4.262	3.500314	3.312523	3.434986
Zfp574	7.416356	8.526622	14.51406	14.49447	13.466	12.94231	13.84798	13.59648	13.56025	12.24027	15.83169	14.14657
Elf4	1.990882	2.694575	3.806676	3.575262	3.945954	3.426556	4.277094	3.87993	3.766176	4.048487	4.15977	4.045797
Mex3a	17.02729	18.97082	27.26966	27.70207	32.27602	32.39061	34.84648	29.24935	32.70218	32.69942	30.54446	31.38552
Add1	23.75037	24.48653	43.99369	43.51006	45.04542	43.53353	47.90401	47.67106	40.91031	40.45281	41.17597	41.13925
Hectd2	0.983802	1.004413	1.631806	1.78352	1.940865	1.896377	1.722955	1.872306	2.00661	2.035408	1.957241	2.095627
Mkl1	5.510932	7.374689	10.34707	10.22002	10.07885	9.516774	11.03408	9.561228	9.985469	10.0498	11.44211	11.1742
Parp4	1.29131	1.611809	2.877623	3.124876	3.606773	3.070362	3.815345	3.588227	2.842292	3.096096	3.806592	3.596626
Ciz1	4.37853	5.293278	9.003748	8.248765	8.527667	8.360542	8.518704	8.660076	9.611136	9.484922	9.823274	9.661858
Hcfc2	2.839036	2.792446	6.113994	6.020433	7.199705	6.222878	6.208597	5.902898	5.103145	5.314263	5.393559	5.707733
Fam222a	1.14286	1.584246	2.053597	1.93601	1.842237	2.034741	1.762484	1.919471	1.90245	2.105378	2.480763	1.7994
Rundc3a	4.196171	4.181263	2.823152	2.539111	2.94414	2.656722	2.038272	2.90915	2.208741	2.535554	3.107951	2.95952
Arf3	36.92434	43.27821	64.78154	63.80448	68.08259	64.65843	73.41042	66.71915	64.80688	63.11801	75.43859	73.57669
Nr2c1	2.764337	2.783891	5.793484	5.200179	5.164645	4.760448	5.635896	5.173966	5.318871	5.540428	5.498559	5.362017
Efnb3	1.754064	1.859955	3.207528	3.19478	3.506543	3.205773	3.475641	3.209873	4.012066	3.712954	3.740943	3.365521
Gstm1	20.69039	24.64846	10.19417	9.457891	10.40802	9.320335	9.928158	8.144475	10.00904	9.31331	8.307247	8.296359
Sec22c	2.724269	3.050386	5.973742	5.767285	6.134406	5.656852	5.739603	4.988329	5.4896	5.387364	5.237748	5.294534

Nit2	46.40172	42.95677	32.72577	31.86213	32.53886	33.1385	29.34215	29.6947	29.36645	28.82384	23.05539	28.68928
Cdc42bpb	13.26474	15.88262	23.1653	22.9251	22.91003	21.73495	24.36744	23.7126	22.81791	22.87582	26.68315	25.08286
Tex11	3.314101	3.159606	6.925549	6.622811	7.195333	6.181796	6.467063	7.120137	5.584918	6.605236	5.804441	6.298746
Zfp324	1.355966	1.477172	2.335533	2.416787	2.819099	2.453582	2.719802	2.335705	2.224048	2.132777	2.276615	2.229248
Abcg2	53.79743	48.5139	25.83157	27.4323	26.95415	27.35594	26.22553	28.27428	26.53606	29.24144	30.29771	31.46521
Tpd52	63.00913	61.05204	32.78668	31.30518	29.03161	29.53976	28.12285	27.28681	29.53083	30.71523	28.76375	28.9984
Lrp10	7.015787	7.809042	12.80281	12.31003	13.64299	13.72408	15.12743	13.34278	12.74934	11.99069	13.70119	13.48658
Fbxo6	18.8589	15.3252	9.784993	9.4368	9.78436	10.15197	8.995527	9.141259	8.929149	9.21293	11.88998	10.4404
Cep350	3.402471	4.18934	6.317699	6.506113	7.161545	6.85614	7.71608	6.618704	7.028538	7.429927	7.17399	7.190472
Col9a2	2.365806	2.352978	5.283366	4.582882	4.930581	4.029937	3.289359	4.4559	4.329811	4.013416	4.948013	4.262674
Mycbp2	5.33175	6.621125	10.16536	10.74383	10.70527	10.47578	11.35705	9.488486	9.852013	10.63576	8.945588	9.419724
Kif7	2.576456	3.471166	5.972856	5.649748	6.137619	5.688367	6.033142	6.195016	5.66942	5.433545	6.417542	6.068684
Acox1	6.500462	7.11199	13.00085	12.39501	12.26355	12.40295	14.26582	12.06061	10.7745	10.88418	11.01241	11.00823
Arhgef11	5.258927	6.478885	8.965186	9.756662	9.798587	9.696444	11.2133	10.63778	9.336406	9.338137	10.64843	10.57241
Snap91	0.394844	0.498181	0.814611	0.792333	0.993168	0.899908	1.087577	0.883789	0.848858	0.838646	0.887697	0.869544
Tacc1	6.25421	8.007488	11.95903	11.7145	11.96674	12.05403	12.6385	11.66348	10.65834	11.30896	12.75153	12.7782
Capn15	2.979479	3.673607	6.347074	6.25745	5.771828	5.754041	5.397693	6.111362	5.92367	5.745138	7.257321	6.482997
Invs	1.588476	1.848311	2.976736	3.119129	3.25067	2.924338	3.395469	3.294757	2.868945	3.136068	3.109323	3.091886
Tram2	1.649578	2.070629	3.536965	3.722792	3.902247	3.771086	4.308804	3.703453	3.92144	3.865213	3.360744	3.431999
Cog1	6.019475	7.238626	11.19233	10.87622	10.0146	9.895664	10.35654	9.754548	9.737747	9.66538	12.20958	10.6199
Acot2	1.562074	1.606437	3.388357	3.263087	3.291736	3.201098	3.472845	2.902516	2.512181	2.955261	3.332163	3.088647
Tmem181b	8.825131	10.2517	26.05516	25.76364	25.84269	26.02682	26.60904	25.65519	25.44792	25.65807	21.26422	23.18795
Inpp5a	7.956609	8.99791	13.47719	14.0503	14.55302	14.36516	14.42358	15.50627	13.5199	14.79307	16.27445	15.74211
Strn	3.906063	4.632108	7.173125	7.219881	7.369683	7.340557	8.210687	7.136789	7.457149	7.994049	7.471549	7.754041
Cd55	3.265964	2.626542	1.631401	1.719785	2.057132	1.881802	1.714785	1.735264	1.685316	1.72095	1.832791	1.926136
Dag1	35.2068	42.66478	86.08678	83.76288	87.38538	82.46921	100.6527	82.74722	84.92543	83.45073	76.73006	74.88941
Zfp874a	2.590345	2.346375	1.859362	1.54817	1.596647	1.552474	1.339448	1.389285	1.280762	1.400622	1.285214	1.434592
Synrg	4.204783	5.151248	9.533499	9.869301	9.863456	9.996057	10.76792	9.676424	8.534131	9.118746	8.976156	8.952944
Daglb	1.901493	2.130204	3.818544	3.999966	3.564304	4.077678	4.234557	3.995514	4.633666	4.46092	4.488666	4.18775
Bend4	14.1366	18.06506	34.0882	33.12458	35.35642	33.26627	38.6462	33.75494	32.05162	33.9907	30.38883	30.52156
Nacc2	1.220434	1.330605	2.762084	2.828597	3.243071	2.776018	3.388827	3.05426	2.663165	2.757297	2.638443	3.055951
Afap1	3.144892	4.071537	5.615547	5.888527	6.854664	6.391897	7.127162	6.458565	5.954958	6.070075	6.660955	6.488953
Ssh1	3.380788	4.213222	7.334708	7.419628	7.759233	7.548876	8.373392	7.327844	6.7156	6.855979	7.37816	7.249473
Zdhhc8	4.632762	5.603231	8.475819	8.469637	9.266236	8.736008	9.920928	9.06142	9.934185	9.241612	9.071858	8.817822
Inpp1	15.43505	18.25114	28.38698	27.40587	29.97148	28.00451	32.63233	28.26351	27.09131	26.76311	27.69471	25.90783
Tspan9	8.738798	10.03297	26.0382	25.40864	27.83549	26.99686	26.52611	25.48912	24.15718	24.83019	28.76975	26.8609
Zfp963	0.694103	0.775238	1.114565	1.113115	1.213336	1.123467	1.075435	1.186509	1.420307	1.174983	1.101447	1.130207
Wdr6	22.36832	25.11538	51.80081	46.14376	48.53312	45.26137	56.34422	47.37104	49.93	44.66387	47.07746	45.2947