Table S1

gene_symbol	1M		2M		6M		12M		20M	
	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD
Yars	31.3633333	3.2407149	26.694	3.754994	26.126	3.754521	22.4275	4.5989229	22.22	2.65814
Lgals7	6932.91333	676.52725	5679.468	347.61355	5201.794	268.8174	4561.25	508.48478	4010.034	873.648
Pank1	18.6666667	3.1090245	16.612	2.8575724	15.086	2.443405	14.76	3.9470242	14.732	4.79134
Kyat1	42.4733333	6.6222755	37.538	2.6251419	34.18	2.388964	33.61	2.0276259	31.336	3.09227
Eif4e2	50.8133333	3.4672804	45.854	3.4732233	42.89	3.019818	42.255	2.8342842	37.75	3.02583
Carmil2	0.58666667	0.211266	0.488	0.1810249	0.486	0.06269	0.4025	0.1203813	0.38	0.07211
Psmd12	55.95	4.0475301	54.902	6.0597665	54.76	4.831904	54.43	9.5279659	49.764	4.48979
Spink7	4.52	3.3270407	2.812	0.6007662	2.772	2.133675	1.08	0.5210246	0.482	0.30833
Psmg3	18.1233333	1.3349282	16.032	1.9700305	15.852	1.343678	15.2525	3.3944698	14.324	2.08356
Cmc2	9.14	1.9686798	8.446	0.7852261	8.252	0.996429	6.9	0.8287742	5.722	0.71142
Pxmp4	101.8	4.9390181	81.098	18.588894	76.466	12.72192	69.6	10.734539	56.906	16.8264
Cyp4f39	94.26	2.6486412	79.318	4.1673697	71.396	10.22028	60.915	3.0954752	59.838	4.54346
Gsta1	9.35	2.5484897	8.17	2.6107279	6.408	2.960637	5.9325	0.9776971	3.686	0.95811
Hars	84.7333333	0.5616345	82.032	11.56265	75.426	5.410423	72.175	10.476362	70.27	8.3036
Elob	267.323333	16.147697	265.726	15.530378	255.608	22.61847	235.2575	11.203057	207.878	17.4401
Vps36	38.07	3.9237355	36.17	2.1509068	35.044	1.785548	29.7875	1.5985905	28.422	1.10251
Bambi	0.80333333	0.193477	0.724	0.2317973	0.702	0.118195	0.6925	0.1647979	0.538	0.16453
Polr2l	39.44	2.940017	36.95	3.3189306	34.058	2.61279	33.99	3.9790535	26.526	3.72132
Taf9	58.6433333	8.8507928	57.022	4.4242028	56.514	5.10478	56.4075	7.7226134	51.142	5.27571
Atp6v0e	180.216667	5.1606621	172.978	8.5805023	166.168	10.69757	164.92	10.535923	141.21	8.0571
Haus8	8.07	0.5663038	7.784	1.0888664	6.894	1.64415	5.7575	0.4083605	5.65	0.89811
Ttc22	13.9933333	1.2506532	11.336	0.9941982	10.95	0.845843	9.535	1.4101655	9.462	1.10042
Slc2a6	2.88	0.2778489	2.87	0.6045246	2.666	0.438953	2.6125	0.6411643	2.52	0.33294
Tomm6	185.15	14.584536	141.814	7.8015242	132.84	13.73353	129.625	14.918207	122.066	11.9821
Cybrd1	0.66666667	0.0680686	0.546	0.184201	0.432	0.115195	0.3425	0.1155783	0.324	0.10237
Aadacl4	18.8866667	5.231676	13.872	5.2493971	13.412	6.614765	11.4825	5.4636153	10.946	7.84986
Eif2b1	28.34	2.0648729	25.694	1.1490561	23.966	1.349326	22.6475	3.127058	21.046	1.2077
Tbc1d10a	42.2933333	6.7271267	37.898	1.2006956	37.274	2.001282	36.69	1.5373787	35.746	3.85897
Lpar5	10.6633333	1.6405588	10.078	0.8741396	9.748	0.603755	9.625	0.688888	9.604	1.11538
Ube2s	129.44	12.836078	124.664	13.495071	108.118	15.29019	96.9925	8.9441988	90.894	7.76595
Atp5b	550.566667	20.478919	534.712	51.783894	524.93	34.16605	517.7025	47.045655	430.63	25.1101
Snta1	6.02	1.1554653	5.244	1.4356462	5.082	0.789823	5.055	0.1973998	4.244	0.7945
Rdh12	91.1166667	2.2805774	78.54	4.8463595	71.858	5.452015	65.12	1.4676058	62.654	2.90512
Cks1b	34.9066667	1.0715565	33.104	3.9119343	31.92	3.340037	30.4375	4.1585524	25.506	3.53337
Col1a1	143.81	52.683782	100.042	45.399123	60.206	38.34848	44.615	8.9695206	31.504	10.3444
Hist3h2ba	2.05666667	0.4775284	1.442	0.4596956	1.196	0.345948	0.9175	0.312983	0.89	0.33978
St3gal4	11.2766667	2.1003889	11.016	1.8786378	10.494	1.586342	9.79	2.8255501	9.514	1.03408
C1qtnf6	5.84	1.6245307	2.49	0.90678	2.41	0.642417	1.6625	0.2348581	1.444	0.39291
Teddm3	63.3	4.5086694	48.2	13.242118	44.432	8.170531	43.3	12.846403	35.74	10.3515
Col4a3	0.56666667	0.140119	0.452	0.1331165	0.204	0.026077	0.1875	0.060208	0.16	0.07176
Gpr89	11.8633333	0.9091388	11.694	1.3056531	11.166	0.742987	10.8525	0.6264916	9.598	0.53616
Atp5o	249.77	6.3606682	244.012	15.266806	237.432	6.327114	214.735	11.649931	213.568	9.40478
Far2	204.213333	39.014736	200.2	58.638809	131.634	45.82524	126.49	53.796293	115.194	59.6926
Ccnd3	44.18	4.8210787	42.614	3.1443648	41.038	5.220361	36.3225	1.9880707	33.85	1.22833

Ppa1	82.9666667	7.4030422	78.798	11.725002	75.526	9.8072	74.4425	22.784939	53.96	7.11739
Slc25a5	403.92	23.048521	373.638	37.613826	365.29	26.21902	348.7325	34.245124	310.762	16.7772
Nrbp1	65.55	1.25008	65.21	3.0883248	65.012	2.447012	63.9625	2.3436919	58.7	3.69762
Foxe1	0.92333333	0.5063925	0.242	0.129499	0.232	0.241702	0.225	0.1206924	0.136	0.10922
Malsu1	16.68	0.7275301	14.352	0.960401	14.246	1.358632	14.18	2.1471532	13.564	0.5611
Urod	37.9533333	3.8654538	35.22	4.0361306	33.396	2.182345	33.0475	3.1315212	28.024	4.81124
Rpl7a	1362.78667	87.423976	1353.986	30.02881	1316.346	53.47214	1287.105	101.59014	1233.052	72.5838
Mcat	7.06333333	0.9042308	6.912	0.8897865	6.636	0.580327	6.6	0.2369247	6.112	0.67218
Fabp5	1246.34667	40.513871	1035.228	132.90417	917.972	128.3475	700.315	123.75452	639.646	87.1267
Agl	3.93	0.2851315	3.254	0.3691612	3.182	0.626434	3.17	0.518009	3.064	0.79419
Tarbp2	22.6933333	1.6132679	21.85	1.8680739	21.594	1.132179	21.2	2.1044873	18.92	2.29923
Edc3	12.0433333	0.5781292	11.372	0.6125112	10.966	0.279428	10.6925	0.3456757	10.054	0.77726
Hist1h2bc	61.9666667	8.6859791	60.912	7.5022843	34.604	4.835766	33.91	2.5445759	29.182	2.03768
Fam84a	79.9933333	2.3849598	68.826	4.505389	68.284	8.426674	62.215	8.4989039	61.132	1.11439
Sult2b1	181.8	18.452935	161.304	17.312781	139.516	20.00165	116.4775	18.884703	111.774	21.8372
Mecr	20.88	0.5384236	19.744	1.6637398	18.618	1.016105	18.0525	2.0719295	17.548	1.34732
Gadd45g	11.44	1.9927619	9.55	2.6966739	9.364	1.913891	9.2025	2.3967669	7.022	1.77288
Brwd3	2.1	0.6091798	2.014	0.1277889	1.972	0.389962	1.93	0.2398611	1.906	0.38253
Uchl3	82.66	11.061356	78.014	9.0525096	75.16	13.78118	64.055	17.725625	61.162	4.80979
D11Wsu47e	3.40333333	0.2983845	3.316	0.7339823	3.194	0.517958	2.89	0.3349627	2.78	0.42667
Pa2g4	172.103333	10.325969	161.504	18.326435	150	10.94032	149.8825	18.37531	147.732	14.7545
Chchd10	37.2833333	1.4059279	33.746	5.014133	27.084	4.14687	23.6875	6.0269969	20.952	6.06696
S100z	0.60333333	0.5310681	0.392	0.362174	0.316	0.224121	0.24	0.3645088	0.08	0.17889
Agpat3	73.3066667	5.2802683	66.382	7.9103963	61.494	4.64247	58.235	4.2727392	55.04	4.39555
Aars	33.58	5.8102754	29.576	4.2534609	28.264	5.029461	25.155	4.5639201	22.976	3.25846
Pdss2	4.54	0.7888599	3.41	0.7508995	3.254	0.301712	3.1175	0.3981938	2.77	0.55664
Hnrnpab	211.326667	9.1721989	206.678	16.348684	205.276	16.04764	203.86	22.832721	191.412	22.5567
Adamts19	0.90333333	0.2294196	0.21	0.0943398	0.194	0.184201	0.095	0.043589	0.092	0.04604
Hnrnpl	138.913333	10.30057	129.892	6.182032	127.734	3.143713	127.405	5.4071835	119.448	8.49474
Unc119b	12.49	1.1230761	11.944	1.7566531	11.474	1.517706	10.6275	0.8850377	9.878	1.15225
Gps1	45.97	0.5566866	44.238	2.499734	44.078	2.983055	43.24	3.9934697	42.934	2.95438
Tmem79	91.5833333	10.6501	85.518	3.3045454	77.462	4.45244	75.625	5.9896383	75.156	8.86699
Hsd17b4	42.63	2.5259454	41.712	5.9766939	41.434	3.369055	39.91	5.2561012	36.148	7.84858
Selenoh	39.6366667	4.456729	38.842	5.2352717	29.828	3.670112	29.585	1.1172735	26.23	4.24372
Vcp	169.5	2.1210611	163.106	12.613351	155.954	7.067933	144.545	8.3644267	144.496	6.50855
Hoxc13	10.15	1.4839474	6.922	1.652489	6.874	2.042885	6.7475	1.0214818	5.946	1.32762
Ddx39	49.8366667	3.1261691	49.456	8.0129913	48.02	5.844181	44.3375	10.825453	40.1	7.43016
Cks2	37.7833333	5.389632	36.532	8.2759332	30.122	2.463487	27.935	4.4384494	27.124	0.93698
Chac1	5.76333333	0.7579138	5.352	0.7353367	5.02	0.463303	4.18	0.8360223	3.788	0.3936
Sparc	346.226667	74.937861	247.53	91.768948	182.058	71.87741	145.305	6.8832575	125.61	23.8843
Dohh	40.2466667	2.6595927	39.858	1.4429553	37.752	1.874279	36.87	3.6700681	33.786	4.34217
Cox6a1	567.953333	27.912568	530.952	22.335928	456.186	30.84011	438.1125	21.186531	373.492	27.4657
Col1a2	79.17	25.421682	72.106	31.297037	42.288	25.20978	35.985	6.4685315	30.752	13.2445
Cyren	2.51333333	0.4225321	2.356	0.5023246	2.28	0.535023	2.2275	0.2206619	2.136	0.62256
Hax1	48.12	1.1580587	48.118	5.8475568	47	5.65399	45.685	5.4979178	37.286	2.8179
Gstm7	2.03	0.291376	1.422	0.423816	0.924	0.461768	0.9075	0.4540466	0.738	0.1436
Sin3b	45.2	3.42	43.888	2.5455982	39.82	1.991733	39.665	4.1665853	39.572	2.5121

Nt5e	12.94	0.9693812	12.694	1.9497384	11.542	2.083247	11.4975	1.6229474	11.212	2.79844
Ttr	4.97	0.4951767	4.558	1.0238506	4.042	0.899094	3.2175	1.8887981	2.002	0.53308
Snx3	132.11	9.3665522	124.072	6.8265709	120.572	9.033788	117.9075	6.0486383	112.654	2.17691
Acoxl	22.9666667	3.1401645	10.342	2.8681039	6.728	1.857975	6.5025	1.941432	6.092	1.77594
Col4a1	15.9333333	1.9467237	15.758	3.9887492	15.128	3.079005	14.2225	3.2210389	10.552	3.76401
Tuba4a	308.8	14.155363	293.336	38.905291	283.716	25.68775	262.15	53.440606	230.82	37.6002
Kcnj12	1.07	0.2505993	0.454	0.1217785	0.29	0.05244	0.2575	0.1043631	0.18	0.05523
Fgf21	0.53666667	0.1234234	0.262	0.2081346	0.238	0.104738	0.175	0.1008299	0.132	0.09859
Cisd1	68.18	7.5245465	60.598	12.687404	54.508	11.0218	50.87	9.4884456	46.26	10.0486
Lap3	56.23	6.6910612	46.678	8.0611519	38.064	7.661376	37.21	9.5479457	34.962	9.83664
Ttc39c	10.9033333	0.4310839	10.506	0.5921402	10.116	0.298965	9.9575	0.7180239	9.176	0.53547
Pbk	12.7833333	2.5501046	12.05	2.570107	11.35	2.232879	9.295	1.3546094	8.944	1.82436
Ebp	63.0333333	0.9372477	55.444	4.3068933	49.796	3.27151	48.17	1.8902381	45.316	3.20534
Cryzl2	5.12	0.5237366	3.79	0.4865696	3.002	0.473413	2.595	0.4228869	2.244	0.25861
Lsm2	40.7466667	2.0977448	40.428	3.9528433	36.332	4.467188	35.235	2.6970416	33.8	4.11912
Hmcn1	1.71666667	0.3271595	1.654	0.452471	1.1	0.373698	1.0825	0.2754844	0.874	0.18008
Tars	40.97	1.0859558	39.278	5.5329531	39.232	5.23286	38.245	8.7533974	33.97	2.94892
Nasp	33.0033333	5.6022704	32.082	2.9502746	29.956	2.905534	29.815	3.841688	28.57	4.71784
Acot1	58.19	3.3400449	49.27	10.654947	41.71	6.99711	40.775	3.0589813	29.438	6.36673
C9orf72	4.82666667	0.6666583	4.462	0.5432495	4.34	0.392747	4.195	0.4407947	4.006	0.83053
Hnrnpm	75.3	4.5235716	75.294	6.153087	71.892	4.426282	71.035	3.1342463	69.292	4.55013
Pex11a	16.2566667	3.2819557	15.864	2.9422576	13.852	1.557617	13.435	2.1443647	11.63	3.95987
Eif3b	120.943333	7.2906881	118.884	12.109357	116.87	5.392193	116.0225	15.911707	106.872	10.9102
Rita1	5.64	1.0450359	5.626	0.6066548	5.048	0.50067	4.8375	0.7189518	4.71	0.25367
Metrnl	34.1433333	2.6455686	31.066	2.3540773	30.772	2.191716	27.285	1.287517	25.256	1.47925
Cdkn2d	16.2933333	3.4185572	15.392	1.6806308	13.374	0.921835	12.9375	0.741367	11.674	0.76846
Prkcsh	47.4533333	4.0779938	43.78	2.6083424	38.596	2.136523	38.5525	1.6184844	37.49	3.5611
0610009B22Ri	19.22	1.8571214	18.112	0.5944073	17.574	1.404592	17.15	0.5854343	16.124	1.61106
Nudt5	22.3333333	1.9830868	19.736	2.4825853	18.552	3.448053	17.0675	2.1447203	15.636	1.38146
Atg101	25.0833333	2.1864202	20.478	1.4210806	19.678	0.78808	19.5875	0.7202488	18.096	1.94278
1700102P08Ri	0.89666667	0.080829	0.83	0.2579729	0.806	0.225011	0.74	0.2393045	0.72	0.26796
Mrpl57	14.7733333	1.1643167	14.466	0.5464247	13.22	0.608194	13.03	2.2315615	10.558	1.13142
Wdr83os	128.17	8.3360662	117.858	11.252709	106.43	8.943011	100.4925	7.0639619	94.094	11.6291
Nhp2	155.306667	9.3810945	153.138	13.372272	131.436	9.47935	128.1425	23.668373	103.558	16.8995
Nt5dc2	39.3866667	3.5249019	31.938	3.7969751	29.852	1.670964	27.155	4.0021869	22.26	3.86862
Eif3g	139.106667	3.626325	136.382	8.8568008	133.542	8.046295	131.645	16.512033	122.828	12.6717
Tmem208	40.4566667	1.5393938	38.78	3.1502222	37.302	1.727924	35.31	5.0205909	33.992	1.99056
Ngdn	26.8433333	1.130236	26.704	2.6012555	25.988	1.908237	22.68	3.5480793	22.32	1.70166
Ctsd	765.66	58.487869	598.702	65.727095	550.286	56.76742	534.64	44.002411	502.676	21.9361
Dolk	11.77	0.9566086	10.078	2.1466183	9.654	0.617438	9.5875	0.8899953	8.224	1.37081
Ahcy	25.6866667	0.4130779	24.416	4.1426899	23.916	3.698774	17.99	2.7419215	17.784	2.33969
Cldn10	1.29333333	0.1040833	3.08	0.6870226	3.834	1.278292	4.1675	0.3488433	4.396	1.32862
Ms4a4d	0.37333333	0.1386843	1.46	0.4339931	2.064	0.509539	2.395	0.6080844	3.022	1.57289
Aebp1	4.45666667	0.6357935	15.29	4.4020847	17.958	5.978977	18.715	6.7094784	25.62	12.4964
Prdm8	0.21666667	0.0351188	0.35	0.1111306	0.4	0.087464	0.785	0.2344497	0.88	0.49759
Cyp4v3	1.83	0.2330236	3.33	0.4584757	4.37	0.598415	5.2625	1.0561368	6.498	1.68392
Fbp2	0.38	0.1835756	0.77	0.2221486	0.994	0.44596	1.3125	0.347503	1.534	0.38305

Pde4b	4.84	0.3798684	7.446	0.9404946	9.94	1.059009	9.97	1.3573749	13.464	4.01128
Shox2	0.87333333	0.3813572	1.826	0.6225592	1.876	0.395702	1.98	0.4469899	2.33	1.24439
Dcn	50.8433333	8.9614805	175.854	49.275148	199.488	92.15284	252.7675	100.47934	299.506	173.067
Zc4h2	0.45333333	0.1274101	0.692	0.1310343	0.768	0.312202	0.7825	0.2543456	0.826	0.31817
Gbp6	0.50666667	0.1464013	1.004	0.2804104	1.16	0.208087	1.4525	0.3089094	1.59	1.00267
Atp12a	2.99666667	0.5000333	16.884	3.7147719	17.414	2.896797	22.375	2.0376212	41.48	10.1196
Cpq	1.34	0.4573839	2.04	0.6817624	2.246	0.627599	2.44	0.5409251	2.634	1.39346
Ajm1	0.16333333	0.1101514	0.29	0.0339116	0.486	0.111937	0.8475	0.156285	1.366	0.27254
C1qtnf5	0.77	0.1212436	1.376	0.4652741	1.496	0.645585	1.6	0.347467	1.874	1.00401
Gm5751	0.15	0.1734935	0.282	0.2858671	0.29	0.31241	0.3625	0.1734695	0.572	0.28021
Apol9b	0.52333333	0.2386071	0.702	0.2952457	1.134	0.361289	1.3775	0.4972843	1.394	0.34961
Npy1r	0.63	0.0953939	1.02	0.2249444	1.106	0.460033	1.765	0.6616394	1.834	0.16652
Pi16	2.16	0.6655073	8.636	4.2320007	12.584	5.097826	15.6675	5.4856259	26.636	22.2359
Serping1	10.5466667	2.6079174	42.476	13.887558	47.708	17.031	57.3725	19.747171	68.054	38.5784
Tnxb	4.85	0.8815328	12.728	3.7013335	13.036	2.954696	16.28	1.3660893	17.9	3.17508
Dpyd	0.26	0.09	0.672	0.1413153	0.714	0.132778	0.915	0.2017424	1.126	0.40488
Col23a1	8.62	0.6636264	18.858	3.1226063	20.44	1.778553	24.415	1.1601868	27.632	0.26948
Sp100	2.25333333	0.4166933	4.11	0.8030255	5.714	0.953168	6.055	0.2783882	6.544	1.71124
Arhgap6	0.19	0.1053565	0.442	0.1482228	0.52	0.132665	0.5725	0.0579511	0.598	0.23221
Ankrd6	0.49333333	0.0929157	0.75	0.0463681	0.832	0.09094	1.175	0.0988264	1.252	0.23392
Gm21541	2.40666667	1.4213491	3.12	1.9772835	3.876	1.797451	5.085	1.3320285	9.472	5.70575
Lama1	0.15666667	0.1040833	0.268	0.0816701	0.71	0.276134	0.7575	0.1236595	1.034	0.31864
Bco1	0.74	0.3109662	1.188	0.4071486	1.284	0.275917	1.4575	0.4617629	1.666	0.29108
Stmn2	0.67666667	0.1900877	1.414	0.5951722	1.98	0.817282	2.275	0.3751	3.504	1.37577
C1ra	0.90333333	0.1887679	3.578	1.03178	4.472	2.056653	6.24	1.7662578	7.522	4.68379
Rec114	0.27	0.1509967	0.564	0.2019406	0.584	0.254617	0.635	0.1636052	0.74	0.46092
Prrt2	1.34333333	0.2307235	2.434	0.6035561	2.884	0.295093	3.085	0.4133199	3.784	1.1007
Serpina3c	0.56333333	0.3650114	1.432	0.584953	2.12	0.830512	2.24	0.5577335	3.692	2.56607
Cd68	7.98666667	1.1860157	12.684	0.8108514	13.516	2.024952	13.885	2.3962401	15.346	3.56085
Flt3l	3.57666667	0.5029248	6.898	1.7167906	7.232	1.187548	9.6275	1.7533278	10.712	4.2353
Cyba	6.16666667	1.7729166	10.488	1.5110162	11.798	1.9562	12.515	2.2859061	12.672	3.9937
Il7	0.50333333	0.1069268	0.522	0.1310343	0.856	0.172134	1.08	0.1952776	1.264	0.66909
Pgf	0.39666667	0.1059874	0.898	0.101341	1.062	0.338703	1.0625	0.2205108	1.126	0.5631
B3galt2	0.17333333	0.1193035	0.406	0.1254193	0.44	0.05244	0.6075	0.2840628	0.64	0.784
Pou6f1	2.13666667	0.2685765	2.274	0.2341581	3.444	0.323543	4.03	1.2542195	4.248	0.70769
Zc3h6	0.96	0.02	1.534	0.1011435	1.592	0.384604	1.98	0.3358571	2.072	0.11054
Kcne4	0.26666667	0.2196209	0.34	0.1286468	0.572	0.156269	0.6375	0.2930728	0.656	0.39879
Erich2	0.13333333	0.1159023	0.18	0.0868907	0.382	0.150732	0.485	0.2193171	0.946	0.47109
Akr1c13	0.55	0.3051229	2.492	0.9169351	6.038	1.126242	6.3825	2.1708735	13.208	5.9697
Fgfbp3	4.32333333	0.4005413	4.34	0.8752428	6.522	1.259611	7.4775	1.8004143	7.496	2.87161
S100a9	10.2333333	3.0843206	10.486	3.1443489	40.386	29.26964	41.1575	28.031591	55.13	28.2814
Aldh1a1	1.29333333	0.1320353	2.548	0.5003699	3.456	0.624724	3.475	0.6052272	4.2	2.27263
Tifa	0.93666667	0.1556706	1.818	0.4204402	2.122	0.288565	2.465	0.340245	2.758	0.53439
Prf1	0.79333333	0.306159	0.87	0.3251154	2.23	0.66	2.33	0.235372	2.95	0.78807
Atp13a5	0.45	0.069282	1.258	0.2262079	1.674	0.629389	1.725	0.4476978	1.98	0.24372
Scgb1a1	0.61333333	0.0057735	2.328	1.0795925	3.384	1.470792	3.5225	1.3683171	6.356	1.96998
Spin2c	0.44333333	0.1234234	0.69	0.1698529	0.774	0.190604	0.875	0.2126813	0.91	0.08944

9530057J20Ril	0.37	0.1249	0.544	0.1761533	0.854	0.121161	1.0925	0.1322561	1.39	0.50917
Tnfsf18	0.39666667	0.2386071	0.428	0.1458424	0.458	0.176833	0.53	0.0848528	1.108	0.77261
Phldb2	4.43	0.7061869	4.458	0.4884363	5.726	0.80158	5.8	0.4222164	9.426	1.79849
C3	0.76	0.08	3.826	2.0480186	4.634	2.135306	6.8125	4.2924226	9.998	7.91452
Prkar2b	1.52333333	0.2914332	2.352	0.6452674	2.402	0.396888	2.6025	0.1497498	2.868	1.62501
Glb1l2	0.73666667	0.1755942	1.028	0.2471235	1.19	0.151822	1.375	0.4514791	2.446	2.20235
Gm21451	0.13666667	0.0960902	0.404	0.2230022	0.448	0.136638	0.67	0.2906315	0.878	0.66942
BB114814	0.56333333	0.1604161	0.93	0.2270463	1.28	0.466369	1.2825	0.328773	1.568	0.41806
Cacng7	0.49666667	0.1059874	0.936	0.16562	1.226	0.196291	1.4125	0.5842017	1.428	0.66833
Pcp4	0.69666667	0.3092464	1.288	0.5653494	1.806	1.023733	4.3275	0.5784678	5.528	1.88143
Defb6	777.88	229.01506	1075.048	114.80911	1327.452	289.5655	1336.8975	157.63033	2287.01	659.384
Gm38510	0.04	0.034641	0.148	0.1515586	0.238	0.183766	0.3625	0.1857193	0.652	0.22874
Tnip3	0.13666667	0.0635085	0.172	0.0637966	0.28	0.123491	0.355	0.2024022	0.642	0.48864
Agtr1a	0.21666667	0.1320353	0.59	0.2462722	0.632	0.064576	0.7875	0.2015564	0.844	0.56368
105247125	0.16	0.0360555	0.33	0.0839643	0.464	0.232013	0.5625	0.3268409	0.644	0.38397
Tnni3	0.92333333	0.2289833	2.328	0.2054751	2.538	0.442911	2.8075	0.5754057	3.236	0.78264
Amhr2	0.31	0.1374773	0.49	0.1617096	0.968	0.269017	1.405	0.2458319	2.436	0.64779
Zic1	0.47333333	0.310215	1.012	0.3942968	1.294	0.398158	1.4125	0.2308499	1.636	0.99528
Kcnu1	0.18	0.0458258	0.316	0.0991464	0.342	0.11649	0.475	0.248529	0.532	0.09039
Slc39a4	0.23	0.0360555	0.232	0.0327109	0.36	0.046368	0.4225	0.1228481	0.598	0.27004
B3galnt1	0.3	0.0984886	0.508	0.188202	0.672	0.133304	0.7375	0.2410221	0.746	0.41735
Gm10591	2.40666667	1.4213491	3.12	1.9772835	3.876	1.797451	5.085	1.3320285	9.472	5.70575
Osbpl7	1.86666667	0.2250185	2.988	0.1942164	3.204	0.586541	3.235	0.5555478	4.136	0.57125
Flt4	0.41	0.07	0.916	0.3793811	1.27	0.688731	1.2875	0.4927728	1.624	0.77854
Uba7	0.64	0.01	1.39	0.4665297	1.666	0.264821	1.7825	0.1746186	1.846	0.59819
Prr16	0.32666667	0.1096966	0.636	0.2006988	1.086	0.316828	1.3725	0.4120983	1.38	0.80991
Mill1	10.7266667	0.5150081	15.118	4.3510999	27.334	8.327099	29.5675	7.5203917	31.246	12.15
Scube1	0.48	0.1452584	0.826	0.1847431	1.046	0.10015	1.0875	0.4459727	1.166	0.52581
Chst10	0.1	0.0360555	0.186	0.043359	0.388	0.114761	0.505	0.1050397	0.568	0.28173
Ctso	1.25333333	0.1761628	2.786	0.5795947	2.926	0.469819	3.12	0.5273203	3.346	0.47543
Alx4	0.48666667	0.0945163	0.944	0.2673574	0.996	0.261496	1.0775	0.3863828	1.342	0.7213
Rusc2	1.99666667	0.3552933	3.03	0.5013482	3.362	0.519201	3.735	0.3879433	4.23	0.44508
Casp4	2.37333333	0.2953529	6.298	1.1233521	14.542	2.539335	15.4575	2.3701248	21.024	3.93896
Akap12	0.32666667	0.0750555	0.612	0.1769746	0.684	0.183657	0.8025	0.194315	0.83	0.37437
Ccl11	0.79666667	0.4050103	4.872	1.8139239	5.548	3.128677	7.225	2.9764016	9.478	6.90371
F830045P16Ri	1.12333333	0.0862168	1.49	0.5384701	2.682	0.935265	3.1475	1.0070212	3.464	1.59012
Reck	1.26	0.2778489	2.602	0.5393237	3.358	0.740655	3.71	0.6595453	4.31	2.394
Cep295nl	1.07	0.1153256	1.626	0.3806311	2.028	0.131415	2.1575	0.1990603	2.262	0.29533
Gsta3	1.16666667	0.310215	2.12	0.5141984	3.008	1.516202	3.2575	0.9267281	3.614	2.19713
Cyp2f2	5.52666667	1.9825321	12.172	4.4746028	21.042	11.59436	30.175	7.3183536	53.176	30.1811
Sp5	0.16333333	0.1040833	0.406	0.0577062	0.426	0.068775	0.67	0.1920069	0.816	0.30221
Pced1b	0.60666667	0.1305118	1.162	0.201792	1.458	0.358218	1.545	0.3331166	1.71	0.44983
Olfml1	0.65666667	0.1379613	0.984	0.5255759	1.008	0.508154	1.0875	0.3241784	1.836	1.34441
Apol9a	0.54333333	0.2030599	0.632	0.1116692	1.108	0.81558	1.4575	0.7599287	2.098	0.39771
Steap4	12.3766667	1.4821044	12.908	1.8250808	13.21	1.027156	21.1025	3.8311302	25.772	9.11754
C2	0.80666667	0.3370954	1.466	0.441622	2.802	0.639469	3.1225	0.9079785	5.298	1.94441
Nexn	1.07	0.2080865	1.704	0.3007989	1.708	0.180056	2.3325	0.1046821	2.602	0.50742

Nlrp1b	0.45333333	0.1709776	1.284	0.2398541	1.294	0.576784	1.635	0.3046856	1.75	0.1437
Irx6	0.04333333	0.051316	0.306	0.095551	0.322	0.188865	0.45	0.1974842	0.576	0.24368
Nudt16	0.58333333	0.0896289	1.17	0.336006	1.25	0.188547	1.355	0.2338803	1.372	0.26771
Cd209a	0.35333333	0.1767295	0.89	0.1945508	1.204	0.510078	1.7275	0.9346791	2.168	1.91086
Tceal3	0.58333333	0.136504	1.034	0.1998249	1.18	0.304549	1.2325	0.2966901	1.446	0.32616
Serpina3g	12.73	1.2164292	25.458	4.8491927	27.752	5.473972	29.7775	5.5088557	31.446	5.00671
Tmem106a	2.62333333	0.2203028	4.802	0.4133642	5.384	0.850782	5.5975	0.6609778	6.022	1.82666
Dnaaf3	0.97666667	0.1001665	1.884	0.1312631	2.314	0.281478	2.6	0.2515287	3.176	0.25938
Cytl1	0.04	0.034641	0.244	0.1767201	0.3	0.20025	0.3975	0.2444552	0.996	1.23852
Ikzf4	0.46333333	0.0305505	0.494	0.0378153	0.586	0.15678	0.5875	0.0873212	1.08	0.16016
Mgl2	1.97333333	0.5367805	2.996	0.8707353	4.948	2.77761	6.0075	1.49355	7.36	5.23864
Cd209e	0.09	0.06	0.376	0.1855532	0.754	0.39866	0.8675	0.3497023	2.214	2.23971
Gm5941	0.94	0.069282	1.016	0.4415088	1.172	0.425347	1.965	0.4753595	5.142	1.29621
Morn3	0.27	0.1558846	0.454	0.2140794	0.502	0.258689	0.5075	0.1887459	0.52	0.13323
Man1a	2.51333333	0.6661331	5.088	0.4027654	7.102	1.029136	7.1525	1.7762578	7.334	3.78029
Mme	0.55	0.0964365	1.038	0.2115892	1.36	0.323651	1.5325	0.2971391	2.43	1.45846
Efemp1	4.45333333	0.6686055	13.53	3.0807872	16.31	4.623597	19.9925	4.773862	23.966	8.64031
Cd180	0.19333333	0.0737111	0.358	0.1870027	0.382	0.144118	0.425	0.1479865	0.528	0.4124
Abcb1b	2.12	0.3306055	3.232	0.1781011	3.634	0.383445	4.01	0.3979112	4.28	0.34843
Ccl21c	2.40666667	1.4213491	3.12	1.9772835	3.876	1.797451	5.085	1.3320285	9.472	5.70575
Clca3a1	6.56333333	1.2930713	10.494	1.8268087	10.692	2.589666	13.6175	1.9233369	15.986	3.27369
Otx1	0.09333333	0.011547	0.182	0.0804363	0.28	0.088318	0.415	0.2425558	0.566	0.28615
Aoc3	1.12333333	0.2829016	1.912	0.7722823	2.546	0.619217	2.565	0.6450581	4.38	4.9146
Dpep1	1.35333333	0.9623063	3.494	1.451699	4.094	1.503356	4.9	2.6022426	6.456	4.29729
Cuzd1	0.36333333	0.1069268	0.37	0.1471394	0.882	0.234776	0.9725	0.4327721	1.356	0.29467
Lbp	0.69	0.2424871	2.054	0.6778864	4.644	2.620073	5.015	2.9817053	6.424	3.68334
Fn3k	0.18	0.1345362	0.284	0.0477493	0.314	0.069857	0.555	0.0685565	0.584	0.32067
Casp1	3.23333333	0.9061089	8.792	1.2125675	18.186	2.812886	20.195	1.79201	21.2	4.50698
Gm13304	2.40666667	1.4213491	3.12	1.9772835	3.876	1.797451	5.085	1.3320285	9.472	5.70575
Ndp	0.32333333	0.1001665	0.526	0.0630872	0.622	0.185796	0.6825	0.0830161	0.692	0.39959
Svep1	0.11666667	0.0152753	0.538	0.1997999	0.556	0.192432	0.5625	0.1381726	0.924	0.53599
Cd302	1.27	0.21	4	1.2390117	5.072	1.421661	5.3825	1.7210535	6.196	3.09078
Steap2	0.21	0.0556776	0.554	0.0594138	0.706	0.060663	0.865	0.189473	0.936	0.09476
Cped1	0.85333333	0.1650253	2.604	0.8013925	2.782	0.634799	3.4375	0.6157583	3.438	1.81003
Serpina3i	12.8433333	1.3563308	19.982	4.908622	21.28	8.321337	22.115	4.4921673	30.456	6.52878
Stx1b	0.21666667	0.1106044	0.378	0.0762889	0.55	0.076158	0.5875	0.1233896	0.706	0.22075
Meiob	0.24	0.1708801	0.39	0.0595819	0.458	0.200674	0.9275	0.2217168	1.114	0.35061
Ntn1	0.92333333	0.1724336	2.858	1.02702	3.544	1.394572	4.275	0.5876791	4.454	2.45911
Slit2	0.19	0.01	0.63	0.1850676	0.684	0.138672	0.7975	0.140327	0.972	0.60309
Emx2	0.45666667	0.080829	1.186	0.3628774	1.336	0.572608	1.65	0.2864728	1.788	0.46181
Sfxn5	1.69333333	0.0929157	2.738	0.4189511	3.01	0.668281	3.265	0.7327801	3.558	0.28874
Unc93a2	0.92333333	0.3028751	1.1	0.566083	1.3	0.269722	1.9525	0.662489	2.594	0.72759
Rab11fip4	9.74	0.2165641	16.216	2.6585297	17.092	3.06309	18.375	4.439298	20.258	2.26109
Adcyap1r1	0.03666667	0.0321455	0.106	0.068775	0.188	0.087006	0.28	0.0496655	0.664	0.50964
Kctd12	19.3566667	2.9116547	30.814	3.0221152	35.398	5.887382	36.7125	10.74754	44.654	7.31139
Apol7a	1.04333333	0.1792577	1.41	0.3011644	1.88	0.627933	1.9925	1.1907526	4.29	1.25509
Calca	0.04666667	0.0251661	0.154	0.1052616	0.526	0.167571	0.5475	0.1728921	0.558	0.45839

Gpnmb	4.01666667	1.2626295	5.986	0.6400234	11.932	2.638119	14.945	1.4074682	22.578	5.19454
Rnf32	0.32333333	0.1789786	0.364	0.071624	0.366	0.105736	0.4275	0.249583	0.558	0.27326
Foxred2	1.68	0.1044031	2.384	0.200075	2.566	0.120125	3.2325	0.309879	3.254	0.50332
Plekha2	6.18666667	0.2350177	8.358	0.7949025	9.536	1.227082	11.2825	0.6121206	11.466	1.05154
Ttc12	0.79	0.0360555	0.804	0.1694993	0.916	0.205256	0.9625	0.2572126	1.19	0.38
Aldoc	5.85666667	0.4600362	6.094	0.5069813	6.632	0.426931	7.83	2.0379892	9.864	0.62752
Lonrf1	1.68666667	0.2050203	1.974	0.2430638	2.338	0.384148	2.6275	0.4798871	2.732	0.261
Hivep1	6.24	0.2022375	7.876	0.9348957	8.202	0.497564	8.315	1.6195987	9.238	1.23039
Naa35	17.7233333	0.9615786	17.782	0.9066256	18.026	0.855441	18.1675	0.3242813	19.012	0.88194
Arid1b	7.80333333	0.2437895	8.652	0.6576245	8.88	0.473339	8.9525	0.8578024	9.076	1.24965
Abcc1	24.72	1.9465611	26.79	1.2832576	26.814	1.013573	27.53	1.1323721	30.368	1.80842
Plk2	8.96333333	1.3266625	11.35	1.0362191	11.888	1.244174	12.8175	2.5826133	14.286	1.4469
Zfp606	1.41333333	0.2640707	1.744	0.0835464	1.756	0.260538	1.7925	0.1778342	1.956	0.33545
Ncoa2	6.08	0.5458022	7.398	0.6229526	7.682	0.788714	7.8025	0.912081	8.048	1.41201
Man2b2	12.8533333	1.3443338	13.838	1.4300594	15.512	1.989264	17.8725	1.5168471	18.11	1.85468
Zfp784	2.95333333	0.3453018	3.334	0.4638211	3.448	0.368809	3.7025	0.3163727	3.822	0.43373
Tnfrsf13b	0.46666667	0.064291	0.486	0.1203329	0.604	0.237655	0.63	0.1494434	0.684	0.30762
Foxj2	9.50333333	0.685298	11.128	1.0635413	11.734	1.157251	12.535	1.5787865	13.05	1.20872
Slc25a45	2.58	0.1135782	3.648	0.5973023	3.922	0.525519	4.16	0.3148545	4.71	0.57637
Rcor3	6.26	0.7308215	6.856	0.5559946	7.312	1.252845	7.615	1.0780383	7.918	0.72929
Cyld	3.40333333	0.3682843	4.514	0.1578924	4.686	0.233088	4.8275	0.7232508	5.05	1.02379
Net1	86.3666667	5.1936532	96.622	7.1965631	114.832	11.44837	117.2325	13.891238	118.026	10.3003
Acadsb	11.67	1.3550277	11.79	0.7443118	12.284	1.476018	12.66	1.0464225	13.176	1.07654
Arl4c	18.8233333	1.3452633	21.302	1.5238668	24.97	1.983343	27.0975	0.9385938	27.948	2.59506
Wasf2	32.28	2.6806156	34.236	1.089922	35.334	0.925192	35.71	4.095233	40.748	3.03114
Cryz	2.62	0.9656086	3.236	0.3674643	3.302	0.314436	3.52	0.5231316	3.526	0.33508
Gm1673	0.43666667	0.2441994	0.564	0.467258	0.594	0.374072	0.805	0.1452584	1.036	0.28325
Sik1	19.9233333	7.2066104	21.582	4.1497193	22.46	6.06414	24.5075	4.8243298	31.13	4.28569
Tcp11l1	0.52666667	0.1001665	0.614	0.151096	0.748	0.10872	0.79	0.1061446	0.884	0.11082
Reep3	32.4633333	1.250973	33.06	2.7512724	33.994	2.802067	34.58	2.3894072	37.466	2.99867
Zfp984	2.03666667	0.3100538	2.992	0.3615522	3.226	0.495459	3.6375	0.698206	3.66	0.68154
Mdc1	5.56666667	0.8303212	6.604	0.4793016	7.088	0.502762	7.465	0.4822517	8.394	0.90787
Ppm1l	1.28333333	0.0057735	1.31	0.1220656	1.636	0.141174	1.8625	0.2478407	1.954	0.25314
Lrrcc1	1.79	0.2882707	2.01	0.1206234	2.044	0.621514	2.1675	0.1719254	2.206	0.66033
Cdh4	1.63333333	0.2421432	2.276	0.3701756	2.566	0.757351	2.865	0.1488847	3.672	0.40071
Srr	4.96	0.5864299	6.086	0.7693699	6.122	0.533732	6.175	0.7183546	6.682	1.12402
Mcm9	2.59	0.2783882	3.65	0.5356771	3.676	0.403088	3.7025	0.357433	3.936	0.32562
Chpt1	4.05333333	0.1877054	5.064	1.1604008	5.316	0.865176	6.2425	0.7392507	6.368	3.5417
Hfe	4.05666667	0.59769	5.204	0.8216934	5.236	0.764742	5.3175	0.3949156	5.348	1.4783
N4bp2l1	3.23333333	0.3951371	3.974	1.0616167	4.798	1.295403	5.5125	0.6533695	5.964	1.51685
Col17a1	332.243333	25.792027	389.354	25.349522	407.978	46.00338	453.7475	55.58459	483.974	56.5411
Vim	201.34	34.019613	273.32	61.429289	296.928	52.65255	301.84	30.101589	321.732	95.0072
Smpdl3a	35.4233333	3.661821	43.95	4.6605418	46.388	6.147835	58.65	7.4596559	71.674	5.50401
Nod2	3.66333333	0.6109283	4.096	0.4703509	5.522	1.272938	6.2125	1.643946	6.792	1.83044
Gimap1	1.89	0.0655744	2.426	0.277092	2.488	0.37151	2.605	0.1769181	2.994	0.44848
Dock3	0.29666667	0.122202	0.394	0.0384708	0.402	0.064187	0.4475	0.0298608	0.518	0.05541
Top1mt	8.03	0.3559494	11.13	0.7181922	11.238	0.992104	11.2625	0.7738809	11.476	1.31056

Ccdc88a	0.64666667	0.0814453	0.736	0.114149	0.824	0.093702	0.835	0.1558846	0.958	0.38062
Fbxo32	5.6	0.2523886	7.496	1.0948196	8.572	1.504018	8.69	2.543816	9.564	2.22543
Bbs7	1.36	0.3579106	1.998	0.2278596	2.014	0.25225	2.225	0.3387723	2.318	0.37426
Arnt2	0.58	0.1609348	0.666	0.092358	0.7	0.141244	0.835	0.0264575	0.93	0.25681
Zhx3	2.53	0.2364318	2.784	0.3039408	2.942	0.371645	2.945	0.4723346	3.528	0.59667
Zfp36l1	64.91	13.714441	69.436	7.2782058	72.746	7.723515	84.2675	2.9122314	90.036	15.9314
Adat3	3	0.4932545	3.99	0.4818714	4.074	0.626083	4.235	0.4694323	4.462	0.93401
Ptpn23	14.2433333	1.364197	15.136	1.5369548	15.556	0.929263	16.5775	1.7328277	17.51	0.58826
Rufy2	1.98	0.5524491	2.482	0.3093865	2.752	0.31348	2.88	0.2615339	2.974	0.60871
Dpy19l3	0.92	0.1252996	1.2	0.1547579	1.45	0.145258	1.5575	0.245	1.562	0.22084
Gsk3b	11.81	0.3482815	13.064	0.3927213	13.77	1.321685	14.1575	1.775338	14.248	1.863
Tmem127	20.5066667	0.8360821	21.91	0.8057605	22.754	1.393998	22.8	2.4758702	23.426	1.29641
Ppp1r1a	0.24333333	0.0602771	0.348	0.1801943	0.472	0.256457	0.555	0.174069	0.666	0.53486
Col4a6	3.62333333	0.1844813	3.724	0.844707	4.256	0.762581	4.8875	1.5366495	5.258	0.59319
Ssc5d	0.60666667	0.1159023	0.638	0.1758408	0.768	0.257041	0.7725	0.0826136	0.952	0.52156
Dcbld2	1.1	0.0953939	1.43	0.0897218	1.452	0.214756	1.5775	0.1090489	1.628	0.32322
Wdr45	22.66	1.4792904	24.886	1.8425607	25.1	3.649658	26.1975	4.3698923	27.54	4.23965
Il1r2	43.7	3.1892319	43.798	7.761074	57.05	7.726853	65.6825	8.6884804	79.164	8.13588
Zfp939	1.46333333	0.1530795	1.746	0.2042792	1.802	0.258399	1.8075	0.3553754	1.958	0.31244
Il10rb	10.17	0.1967232	13.064	1.2651996	13.26	1.066536	13.7825	0.6745554	13.804	2.22542
Cipc	15.0966667	1.3285079	19.982	1.3906905	20.816	2.766447	21.2	2.9313137	22.994	4.12403
Mcur1	16.2966667	1.337996	17.532	1.0966403	18.14	1.366254	18.7525	1.2965435	20.7	1.70699
Phf21a	6.58	0.5302829	8.154	0.9535617	8.7	1.773922	9.6125	1.0477714	9.686	1.41127
St3gal1	2.58333333	0.9500175	3.442	0.8730235	4.206	1.417914	4.415	2.7002407	4.542	2.00177
Rab32	6.15333333	0.2579406	7.352	0.5688761	9.456	1.221303	10.22	1.2777845	11.636	0.83954
Ghr	11.4166667	1.5373137	13.258	1.3082316	14.23	1.730072	15.155	1.6994999	15.452	5.35746
Nhsl1	13.3433333	0.760548	13.818	1.7992415	15.278	1.516087	16.665	3.5176649	19.842	2.27409
Plekhh1	0.66333333	0.0945163	0.78	0.1369306	0.816	0.090719	0.8525	0.3063087	0.912	0.15255
Kif13a	8.48	0.3702702	9.778	0.3939162	9.9	0.781505	10.445	1.2760486	13.302	0.36431
Kmt2e	18.2566667	0.5220473	19.754	2.2870352	19.978	1.144255	21.2	2.9029296	25.114	3.6147
Trim26	13.79	1.0396634	15.664	1.3168447	15.782	1.929889	16.85	1.9324768	17.304	0.99357
Lrp10	72.1266667	6.2535137	76.224	3.3849047	77.07	6.821451	79.1675	4.7997457	79.312	6.10873
Foxn3	11.9933333	1.3414296	12.974	1.4337294	14.118	3.161435	14.7725	2.7245107	16.038	2.34697
Mfap3	7.62666667	0.9309314	7.914	0.3907429	7.954	0.754606	8.0375	0.820909	8.476	0.96855
Hsf2	10.63	0.9347192	12.702	1.2575651	12.848	2.216477	13.575	1.8741131	14.782	1.56177
Zfp820	0.66	0.1058301	0.702	0.0576194	0.782	0.080436	0.835	0.1852026	0.94	0.29496
Nub1	19.5366667	0.4400379	20.9	1.344749	21.764	1.458451	22.1975	0.972878	22.442	2.28231
Ank2	0.34	0.103923	0.392	0.1028105	0.394	0.125419	0.465	0.0957427	0.666	0.31037
Susd6	22.4466667	1.6042859	29.046	2.546955	30.186	2.545158	33.0675	2.3963357	33.186	4.63915
Fam168a	6.08	0.47571	6.55	0.4712749	7.058	0.611204	7.3225	0.9287043	8.456	1.59751
Shroom4	1.76333333	0.1357694	2.386	0.3021258	2.494	0.3437	2.565	0.4415503	2.586	0.2553
Ptpn6	14.1866667	0.9187673	19.754	1.781693	19.908	2.218833	20.765	1.6000937	21.32	2.0177
Impact	8.10333333	2.0453443	10.08	0.8929726	10.092	1.410929	10.51	0.4130375	11.016	1.94238
Dnajc11	23.4666667	0.9394325	23.962	1.2325867	24.446	2.378914	25.1325	2.014636	25.716	2.25883
Xrn1	4.09333333	0.5614564	4.364	0.2987139	4.396	0.493893	4.5225	0.3963479	4.744	0.53952
Trpc1	0.52333333	0.0750555	0.664	0.0691375	0.876	0.158524	0.905	0.1948504	1.064	0.16072
Ccdc57	1.18333333	0.3827967	1.368	0.1930544	1.39	0.187216	1.53	0.2381876	1.806	0.25066

Trim47	13.1966667	1.2015545	14.818	2.4990338	15.354	1.359993	15.6475	1.5829377	18.02	2.4613
Ahnak2	48	1.3513327	65.146	7.5584608	65.808	8.640299	68.0275	17.6463	84.788	10.5688
Atf7ip	11.27	0.9340771	14.418	0.6029677	14.762	1.8253	14.8875	1.8904387	15.036	1.91347
Tut4	1.65333333	0.3579572	2.186	0.2670768	2.212	0.307278	2.4775	0.2411604	2.612	0.51222
Pde4c	0.81333333	0.2458319	1.084	0.2654807	1.264	0.252349	1.2725	0.2165448	1.312	0.20438
Akap9	3.81	0.6039868	4.144	0.2272224	4.174	0.393357	4.175	0.4886376	4.488	0.65194
Maneal	0.88666667	0.1497776	1.222	0.2631919	1.252	0.193701	1.57	0.3053959	1.678	0.22687
Clcn6	2.32666667	0.2107922	2.958	0.3259908	3.1	0.207846	3.23	0.3148545	3.364	0.32944
Zfp558	0.53	0.2306513	0.556	0.0920869	0.62	0.100499	0.665	0.0929157	0.7	0.06205
Cables2	7.52666667	0.4913587	9.374	0.4989289	9.758	0.660507	9.89	0.8204064	10.502	0.4585
Kat14	8.67666667	0.8844396	9.758	0.4577882	9.77	0.988155	10.1775	1.0446491	10.358	0.62851
Cyfip2	3.96333333	0.1514376	5.244	0.5785586	5.816	0.294075	6.085	1.1929934	7.046	0.54261
Atxn1	4.48666667	0.8113158	4.822	0.1814387	5.112	0.636412	5.27	0.2493993	6.946	0.80986
Srrm1	37.4833333	2.0016576	38.974	1.0998545	41.026	1.243998	45.115	2.697956	45.2	3.35031
Ptpdc1	2.37666667	0.0585947	2.846	0.2085186	3.334	0.596138	3.48	0.2393045	3.628	0.28543
Pomk	3.43666667	0.2177919	3.87	0.248998	4.102	0.334245	4.2375	0.4827957	4.38	0.38158
Plb1	1.85666667	0.1331666	1.864	0.4332782	2.296	0.488805	2.645	0.3437538	2.856	0.58248
Ep300	7.60666667	0.8113158	9.22	0.6047727	9.334	0.773065	9.6825	1.0998295	9.764	1.40824
Dcaf5	6.11666667	0.3888873	6.474	0.3869496	6.664	0.294839	7.145	0.4704962	7.712	0.62291
Ppm1k	0.87666667	0.1209683	0.946	0.117601	0.998	0.313002	1.1175	0.2115617	1.146	0.20219
Lce1l	152.706667	23.192424	171.166	35.711606	196.35	38.79475	262.1225	72.631115	269.964	45.0257
Poglut1	9.51	0.926013	10.71	0.55933	10.986	0.921103	12.2975	0.9463394	12.376	1.00764
Kdm4c	5.33	0.9224424	5.76	0.4486647	6.044	0.704507	6.3325	0.5259515	6.662	1.07286
Prcp	6.36	0.4058325	7.3	0.4312772	7.718	0.644298	8.1625	0.9095558	8.254	0.60896
Spen	5.37333333	0.6236452	6.288	0.5915404	6.588	0.486436	6.7975	1.0984041	7.622	0.43182
Dll1	9.88333333	1.3403109	10.786	0.9193911	11.86	1.823774	12.275	0.7630422	14.784	3.11794
Cbfa2t3	0.83666667	0.1021437	1.11	0.2259425	1.206	0.167123	1.215	0.0544671	1.36	0.51444
Vegfb	10.46	1.3474791	12.318	2.2575584	13.344	2.348974	14.1075	1.994131	14.258	1.45828
Olfm1	4.60666667	0.979915	6.762	1.7891674	7.414	1.673239	8.15	0.6674828	8.328	2.7314
Arhgap42	2.53666667	0.402782	3.302	0.2239866	3.45	0.453597	3.61	0.3584225	4.14	0.63206
Ids	8.78	0.6643041	9.674	0.7372788	10.6	0.655858	12.0425	1.9954344	15.514	2.33181
Msh6	7.52333333	0.9143486	8.63	0.8190238	8.718	0.829017	9.44	0.657926	9.512	0.61483
Ppp1r3d	0.66666667	0.2159475	0.94	0.1604681	1.04	0.140712	1.2425	0.1284199	1.244	0.18474
Sf1	67.6433333	3.3376089	68.318	1.9906456	72.39	2.464396	73.83	1.8461311	74.428	2.72213
Dlg5	5.42	0.5408327	6.128	0.2858671	6.186	0.495762	6.8975	0.7613311	7.438	0.55129
Ppm1a	34.8566667	1.0913447	36.272	1.435695	37.674	1.784917	38.0925	2.2073117	40.11	3.85032
Aifm2	1.46333333	0.2569695	1.928	0.3956261	2.09	0.32187	2.46	0.2770078	2.522	1.17799
Pitpnm2	8.70666667	0.7956339	9.634	0.788974	10.66	1.254372	12.57	1.4813732	13.832	0.97996
Rpl39l	1.51	0.5556078	1.882	0.9479821	2.108	0.714682	2.4125	0.3516983	2.628	1.04982
Ago1	11.79	0.2884441	12.812	0.5690079	12.926	0.896817	13.94	2.3177719	15.446	1.60615
Mbtps1	28.94	1.2901163	30.644	1.2272449	32.326	2.335857	33.395	1.9323474	34.81	2.39599
Fam129b	195.123333	19.982078	211.572	11.132227	232.262	18.63886	235.955	22.857918	237.99	22.9976
Birc2	7.47333333	1.3893284	8.056	0.4290455	8.67	1.143328	8.7575	0.4360715	9.388	1.18984
Abca2	6.44	0.2088061	8.06	0.6776061	8.08	0.736105	8.8525	1.6742436	9.542	0.31356
Gm46735	0.95333333	0.1484363	1.038	0.1704993	1.326	0.243578	1.3575	0.199729	1.56	0.27758
Isoc1	28.8766667	3.0730495	29.654	1.5953777	31.24	2.530978	31.3475	3.8814548	31.426	4.24254
Abi2	2.42	0.2615339	2.478	0.1921458	2.658	0.275264	2.9625	0.3347014	3.034	0.615

S1pr4	1.92	0.4158125	2.114	0.3656911	2.392	0.621989	2.405	0.2101587	2.676	0.32989
Traf3	5.17333333	0.3100538	5.622	0.4844791	6.106	0.331783	6.35	0.3311596	6.5	0.61514
Hexb	23.6233333	2.0013579	25.574	1.7572791	27.92	2.520476	28.09	3.5431342	30.936	3.05477
Insl6	1.43333333	0.2800595	1.696	0.4231784	2.296	0.42069	2.66	0.5352258	2.732	0.37493
Etl4	8.11666667	0.3629509	10.414	0.6429075	10.572	1.36201	10.9825	1.5064168	10.984	1.59259
Psen2	2.92666667	0.6468642	3.48	0.668618	4.11	0.292575	4.2075	0.9013832	4.536	0.81356
Cdk13	9.54	0.8750429	10.21	0.2719375	10.516	1.002213	10.8925	0.8062826	10.93	0.94623
Dsg2	6.02333333	0.6633501	6.604	0.807267	8.916	1.057677	9.8475	1.2941761	11.19	0.5721
Ift74	3.41	0.4877499	3.604	0.2799643	3.704	0.45687	3.795	0.7552704	3.832	0.72606
Abca4	0.20666667	0.061101	0.276	0.0304959	0.38	0.104163	0.47	0.1430618	0.502	0.13953
Inpp5e	6.15666667	0.465224	7.53	0.4817157	7.642	0.935612	7.8425	1.0379908	8.15	0.47397
Repin1	2.9	0.1905256	3.642	0.5918361	3.71	0.562361	3.8325	0.2794489	4.458	0.58581
Unc93b1	3.21666667	0.4050103	3.646	0.582134	3.96	0.658863	4.9175	0.4001146	5.09	1.40586
Arsb	3.16	0.5750652	4.536	0.1886266	4.558	0.363483	5.1825	0.5259515	6.288	1.47573
Fam102a	14.52	0.8623804	14.572	1.4068653	17.74	2.190605	17.7925	2.3541931	18.036	1.23719
Slc12a4	14.5866667	1.84549	15.782	1.2472249	17.532	1.435294	19.165	0.6347966	19.326	0.82875
Rhobtb1	3.85666667	0.6414307	4.12	0.7804166	4.404	0.700914	4.715	0.8503529	4.956	0.52714
Gdf10	1.4	0.298161	1.706	0.4030261	2.076	0.64248	2.4925	1.2408969	3.254	1.74649
Nfya	10.2566667	0.4916638	12.636	1.2188232	12.732	0.700121	12.765	1.5139463	13.674	1.63099
Usp53	2.56333333	0.4350096	3.798	0.4928184	3.994	0.730705	4.3225	0.5484752	4.724	1.00674
Ncor2	21.6	3.1314374	23.882	2.5857243	28.828	2.996259	29.3925	2.8812656	34.618	2.18541
BC048403	3.94333333	0.2212088	4.214	0.252349	4.358	0.222306	4.4175	0.419871	4.726	0.32129
Rgs10	16.7633333	1.0635005	18.788	5.1325793	19.606	2.446228	20.37	1.9447879	22.476	6.32076
Crtc1	5.32	0.9083502	5.428	0.6983337	5.476	0.55788	5.9175	0.5671787	6.528	0.27096
Zmynd11	23.8433333	3.3923492	27.308	1.4860922	27.956	2.014058	28.725	2.1141034	30.138	3.91013
Dennd4b	1.15	0.1587451	1.548	0.2041323	1.606	0.236495	1.725	0.2392349	1.754	0.33842
Jag2	44.3033333	6.5978355	48.716	4.1172236	50.582	5.500143	59.105	4.3251397	59.742	5.92419
Zfp36l2	96.6233333	20.929893	98.53	7.1325311	122.044	16.81721	124.6525	24.396146	128.876	9.41626
Proser1	5.93666667	0.59769	6.184	0.3063984	6.59	0.46984	6.8175	0.5804811	6.938	0.64013
Nectin3	9.05	0.4491102	10.964	2.61104	11.166	3.442917	14.0825	3.1118631	14.338	4.64158
Ksr1	5.51333333	0.6123997	6.238	0.4955502	7.984	0.88308	8.5025	1.0892314	10.562	1.1639
Il11	1.31333333	0.102632	1.352	0.1478851	1.372	0.435339	1.4675	0.4096645	1.928	0.2056
Tbc1d16	2.82333333	0.3257811	3.306	0.4847989	3.662	0.572512	3.965	1.0859251	4.116	0.20045
Zfp40	0.66333333	0.3002221	0.896	0.1432829	1.034	0.313576	1.0375	0.2748788	1.104	0.25116
Mapt	0.65666667	0.0550757	0.776	0.1188697	0.808	0.151888	1.0875	0.1584035	1.11	0.09747
Cnot6l	11.0366667	1.7254661	11.312	0.7394728	11.67	1.640015	11.92	1.3157507	12.156	1.74474
Galnt11	5.88333333	0.340196	6.614	0.9260292	7.196	0.54743	7.2825	0.2478407	8.1	0.48394
Nsun3	3.49666667	0.3156475	3.502	0.3503141	3.608	0.477619	4.2925	0.4803037	4.632	0.19652
Nudt18	11	1.0514752	11.818	1.3399328	12.706	1.718598	14.2675	2.7866034	14.576	1.73523
Il6st	15.12	1.0129659	17.634	1.30617	21.314	2.973782	22.2	2.7362383	23.54	4.06229
St3gal6	2.75666667	0.6373644	3.774	0.3389395	4.252	0.627909	4.6125	0.4608235	4.956	0.87392
Pam	16.6233333	0.7606138	21.67	1.8785633	23.098	0.6001	24.6275	2.3012804	25.402	2.14976
Mfn2	15.1033333	0.7950052	17.966	0.8325443	19.992	1.116566	20.7475	1.0193912	20.802	0.55639
Atp2b4	23.31	0.6091798	27.296	3.1783691	27.93	3.161874	31.36	7.0611519	39.86	4.52624
Bche	1.14666667	0.2592939	1.388	0.3747933	1.404	0.225455	1.565	0.4587301	2.026	0.93131
Zbtb34	1.59333333	0.1193035	1.72	0.1587451	1.788	0.109179	1.9075	0.2737852	1.966	0.17387
Usp11	1.1	0.1452584	1.128	0.1829481	1.262	0.180056	1.4875	0.2406069	1.53	0.37762

Ppp1r3e	1.59	0.1276715	1.812	0.2162637	1.99	0.310081	2.17	0.3258834	2.34	0.42149
Cyp2g1	122.623333	68.324308	178.766	83.65538	243.752	120.2483	289.945	96.769341	348.208	204.404
Llgl1	23.12	1.780674	24.436	0.5722587	24.602	1.714138	24.66	0.9314505	26.09	1.34242
Parp16	2.6	0.1802776	2.878	0.2217431	3.234	0.209833	3.405	0.0888819	3.448	0.58041
Ifnlr1	7.44	0.7427651	7.628	0.6594467	7.804	0.767939	8.0625	1.4407492	8.854	0.62748
Prr3	7.43	0.3386739	7.628	0.5095783	8.456	1.13293	9.03	1.1951848	9.082	0.97135
Mbnl2	34	5.8439969	38.652	3.3222086	40.322	5.506493	41.8075	3.1677161	41.808	6.29088
Parp4	2.53666667	0.1715615	3.796	0.3752732	4.566	0.151756	4.6275	0.662187	4.898	0.78941
Sun1	31.9166667	1.4315143	34.628	1.9466561	36.634	3.377829	36.7475	4.0424611	38.732	2.96712
Unc79	0.36666667	0.0057735	0.486	0.1232071	0.658	0.117346	0.7775	0.1813606	0.91	0.16
Fam172a	13.74	1.3509996	16.236	1.1752149	16.434	2.478806	16.82	0.9683319	17.12	1.63388
Bicra	7.57666667	0.462313	7.63	0.4925444	7.72	0.706682	8.5125	0.7831294	8.84	0.49975
Elf1	16.23	0.6444377	17.094	0.906245	18.528	1.779626	19.0375	1.7872208	19.252	2.04882
Ncoa6	7.18666667	0.4921721	8.12	0.4770744	8.362	0.377783	8.475	1.4358853	9.394	1.20053
Ncoa1	5.71666667	0.3338163	6.798	0.2626214	6.842	0.476624	7.2725	0.9783106	7.398	1.02383
Socs7	4.43333333	0.3635015	5.112	0.5004198	5.414	0.539333	5.66	0.9496315	6.082	0.56442
Atg2a	14.6666667	1.5093155	14.918	0.9651787	15.026	1.944127	15.4575	2.4825575	17.614	1.23001
Celf4	1.80333333	0.267644	2.41	0.2522895	2.572	0.544077	2.6975	0.3490344	2.836	0.31469
Ngfr	9.87	0.5841233	10.544	1.5561266	11.378	4.350468	16.8325	4.4756257	17.312	3.48666
Ppp6r3	19.72	0.3504283	20.462	0.3785763	20.672	0.734758	20.9775	1.1594072	21.304	0.69284
Gatad2b	11.42	0.5164301	12.064	0.5334604	12.522	0.898426	12.9175	1.448295	13.322	1.04342
Gtf3c3	3.65666667	0.466083	4.038	0.17936	4.15	0.359374	4.205	0.2769476	4.22	0.35157
Smarcd1	9.06666667	0.9404432	9.976	0.6817111	10.276	0.940681	10.4275	0.4610405	10.51	0.61057
Sh2d4a	13.0866667	2.5057201	14.36	1.0244999	15.226	2.244656	15.42	1.8444331	18.952	1.76889
Ppip5k1	5.95666667	0.258908	6.48	0.7736924	6.756	1.012215	7.56	1.3694524	7.64	0.716
Fam20a	0.81666667	0.1101514	1.122	0.4775144	1.324	0.174011	1.4525	0.2209638	1.534	0.41052
Lamb3	43.51	4.8741871	47.734	3.3825848	49.498	9.655528	51.145	7.728193	53.404	8.83565
Gm15411	5.7	0.7801923	7.44	0.5485891	8.504	1.085693	8.8275	2.1360926	9.614	1.0691
Wfikkn1	0.66	0.0458258	0.678	0.1255787	0.698	0.185796	0.89	0.2580698	0.918	0.17398
Bid	2.33333333	0.6357148	2.426	0.3861088	2.922	0.457734	3.2725	0.8517189	3.644	0.53313
Csrnp2	2.64	0.4288356	3.27	0.7567364	3.81	1.005783	4.14	0.8529556	4.658	0.46338
Ptpn14	11.3566667	1.3707419	13.728	1.7827423	15.01	3.545751	16.855	4.4730042	20.336	4.07032
Rcbtb1	2.99333333	0.3754109	3.876	0.5094409	3.93	0.4255	4.1975	0.2860507	4.234	0.6869
Myo6	10.3866667	1.0184465	11.832	0.4710308	12.138	1.731898	12.7875	1.6988305	14.04	1.19996
Tshz3	0.58666667	0.141892	0.874	0.2917705	1.096	0.082644	1.305	0.06245	1.546	0.34645
Gadd45b	17.4533333	0.8984616	18.044	2.2901376	18.914	1.318571	19.7	2.0842745	24.234	2.29954
Sppl2a	15.94	1.9214838	18.3	1.0563853	19.244	2.146574	19.8925	1.899059	20.084	2.50213
Atp8a1	3.61666667	0.500533	3.804	0.6665058	3.818	0.419845	3.9375	0.747323	4.134	1.5211
Fads2	1.81	0.1473092	2.07	0.6395702	2.116	0.377664	2.335	0.3218178	2.742	0.93422
Gm3045	0.76666667	0.1497776	1.018	0.101341	1.184	0.248455	1.22	0.237206	1.398	0.18213
Serpina3m	0.63666667	0.1115049	0.938	0.3076036	1.142	0.201047	1.3825	0.4718315	1.63	0.27659
Fam129c	0.72666667	0.080829	0.904	0.3674643	0.96	0.152807	1.105	0.2004162	1.264	0.2122
Kcnj16	1.52	0.2364318	2.13	0.6526485	2.262	0.647086	2.625	0.7628674	2.756	0.57657
Nrp2	4.45666667	0.4366158	5.544	1.4112689	5.888	1.034369	6.1425	0.7636044	6.982	3.12004
Ermard	5.12333333	0.8152505	6.664	1.1158539	6.69	0.715577	6.9825	0.7945387	7.112	0.64569
Zfp687	6.23333333	0.1755942	6.322	0.3134805	6.722	0.520932	7.0125	0.5819149	7.186	0.51641
Man2a2	10.57	0.5729747	11.842	1.9874406	11.9	1.269311	12.6275	1.0191622	15.968	3.40697

Cd209c	2.92666667	0.9263549	3.678	0.5804912	3.694	0.465918	3.715	0.7169147	3.968	0.80397
Acp2	4.23666667	0.3458805	6.036	0.6406091	6.234	0.354796	6.4	0.3256788	6.45	1.13276
Tfcp2	2.73666667	0.3194266	3.492	0.5386743	3.676	0.276369	3.99	0.2952965	4.372	0.23392
Cluap1	9.38666667	0.7552704	9.61	0.6337586	9.822	0.65956	10.0625	0.534626	10.432	0.82415
Tshz2	3.16666667	0.0802081	3.82	0.8033368	3.826	0.538359	4.19	0.8397222	4.592	1.06701
Rnf44	28.5433333	1.3387432	32.508	0.5859778	35.33	1.939845	35.365	3.0773853	35.426	1.50129
Iigp1	0.95	0.2696294	1.362	0.548425	1.73	0.531977	1.88	0.5367184	1.896	1.2171
Atat1	3.97	0.3004996	5.454	0.812053	5.506	0.677001	6.4125	1.1083133	6.726	0.78564
Sh2b3	7.03666667	0.4140451	8.576	0.8654652	9.032	0.471614	9.775	1.0454186	9.99	1.36228
Tpbgl	0.65666667	0.0550757	0.922	0.248133	1.028	0.202163	1.1425	0.1878608	1.31	0.36661
Ndst2	9.01333333	0.7046512	9.362	0.7708242	10.238	0.683608	10.2725	0.6443795	10.29	0.61404
Phf21b	0.88	0.2306513	1.03	0.2568073	1.102	0.185526	1.31	0.171075	1.316	0.1148
Pan3	11.7866667	2.2604056	13.942	1.1404034	14.212	2.044559	14.795	2.4994999	15.34	1.53299
Trmt9b	1.15333333	0.1234234	1.288	0.4496888	1.44	0.2745	1.7025	0.4600996	2.028	0.28735
AI464131	1.7	0.3465545	1.95	0.4226109	2.02	0.432204	2.325	0.3764306	2.672	0.91188
Znrf1	15.3233333	1.5215234	15.652	2.7955178	17.616	2.607946	18.5625	2.4122794	21.278	1.42596
Abl1	8.95	1.1301327	10.576	0.7401554	10.788	0.38713	11.285	0.7128581	11.44	1.22888
Serpina3f	3.11	0.3080584	4.276	0.9933932	5.156	1.668991	5.4	0.9708072	7.334	1.4259
Mmgt2	5.11333333	0.6676326	5.576	0.4557741	6.974	0.684931	7.715	0.5214403	9.36	1.62747
Cherp	22.63	0.9986491	22.886	0.8824851	24.784	1.239931	24.985	1.5202302	25.242	2.26274
Tpmt	1.84666667	0.6568358	2.334	0.2405826	2.398	0.415897	2.43	0.1529706	2.48	0.5098
Prrc2a	63.92	5.2702277	63.944	2.496874	64.6	4.128589	66.9225	5.1091707	72.658	4.27349
Fam76a	11.1333333	0.2328805	14.154	1.0559261	14.376	1.178147	15.4825	1.7080666	15.794	1.60458
Cyp2j6	15.67	2.1806192	15.864	1.1564299	16.62	2.081442	19.3975	3.685199	22.068	1.06305

Table S2

gene_symbol	1M		2M		6M		12M		20M	
	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD	MEAN	SD
Yars	31.36	3.24	26.69	3.75	26.13	3.75	22.43	4.60	22.22	2.66
Lgals7	6932.91	676.53	5679.47	347.61	5201.79	268.82	4561.25	508.48	4010.03	873.65
Pank1	18.67	3.11	16.61	2.86	15.09	2.44	14.76	3.95	14.73	4.79
Kyat1	42.47	6.62	37.54	2.63	34.18	2.39	33.61	2.03	31.34	3.09
Eif4e2	50.81	3.47	45.85	3.47	42.89	3.02	42.26	2.83	37.75	3.03
Carmil2	0.59	0.21	0.49	0.18	0.49	0.06	0.40	0.12	0.38	0.07
Psmd12	55.95	4.05	54.90	6.06	54.76	4.83	54.43	9.53	49.76	4.49
Spink7	4.52	3.33	2.81	0.60	2.77	2.13	1.08	0.52	0.48	0.31
Psmg3	18.12	1.33	16.03	1.97	15.85	1.34	15.25	3.39	14.32	2.08
Cmc2	9.14	1.97	8.45	0.79	8.25	1.00	6.90	0.83	5.72	0.71
Pxmp4	101.80	4.94	81.10	18.59	76.47	12.72	69.60	10.73	56.91	16.83
Cyp4f39	94.26	2.65	79.32	4.17	71.40	10.22	60.92	3.10	59.84	4.54
Gsta1	9.35	2.55	8.17	2.61	6.41	2.96	5.93	0.98	3.69	0.96
Hars	84.73	0.56	82.03	11.56	75.43	5.41	72.18	10.48	70.27	8.30
Elob	267.32	16.15	265.73	15.53	255.61	22.62	235.26	11.20	207.88	17.44
Vps36	38.07	3.92	36.17	2.15	35.04	1.79	29.79	1.60	28.42	1.10
Bambi	0.80	0.19	0.72	0.23	0.70	0.12	0.69	0.16	0.54	0.16
Polr2l	39.44	2.94	36.95	3.32	34.06	2.61	33.99	3.98	26.53	3.72
Taf9	58.64	8.85	57.02	4.42	56.51	5.10	56.41	7.72	51.14	5.28
Atp6v0e	180.22	5.16	172.98	8.58	166.17	10.70	164.92	10.54	141.21	8.06
Haus8	8.07	0.57	7.78	1.09	6.89	1.64	5.76	0.41	5.65	0.90
Ttc22	13.99	1.25	11.34	0.99	10.95	0.85	9.54	1.41	9.46	1.10
Slc2a6	2.88	0.28	2.87	0.60	2.67	0.44	2.61	0.64	2.52	0.33
Tomm6	185.15	14.58	141.81	7.80	132.84	13.73	129.63	14.92	122.07	11.98
Cybrd1	0.67	0.07	0.55	0.18	0.43	0.12	0.34	0.12	0.32	0.10
Aadacl4	18.89	5.23	13.87	5.25	13.41	6.61	11.48	5.46	10.95	7.85
Eif2b1	28.34	2.06	25.69	1.15	23.97	1.35	22.65	3.13	21.05	1.21
Tbc1d10a	42.29	6.73	37.90	1.20	37.27	2.00	36.69	1.54	35.75	3.86
Lpar5	10.66	1.64	10.08	0.87	9.75	0.60	9.63	0.69	9.60	1.12
Ube2s	129.44	12.84	124.66	13.50	108.12	15.29	96.99	8.94	90.89	7.77
Atp5b	550.57	20.48	534.71	51.78	524.93	34.17	517.70	47.05	430.63	25.11
Snta1	6.02	1.16	5.24	1.44	5.08	0.79	5.06	0.20	4.24	0.79
Rdh12	91.12	2.28	78.54	4.85	71.86	5.45	65.12	1.47	62.65	2.91
Cks1b	34.91	1.07	33.10	3.91	31.92	3.34	30.44	4.16	25.51	3.53
Col1a1	143.81	52.68	100.04	45.40	60.21	38.35	44.62	8.97	31.50	10.34
Hist3h2ba	2.06	0.48	1.44	0.46	1.20	0.35	0.92	0.31	0.89	0.34
St3gal4	11.28	2.10	11.02	1.88	10.49	1.59	9.79	2.83	9.51	1.03
C1qtnf6	5.84	1.62	2.49	0.91	2.41	0.64	1.66	0.23	1.44	0.39
Teddm3	63.30	4.51	48.20	13.24	44.43	8.17	43.30	12.85	35.74	10.35
Col4a3	0.57	0.14	0.45	0.13	0.20	0.03	0.19	0.06	0.16	0.07
Gpr89	11.86	0.91	11.69	1.31	11.17	0.74	10.85	0.63	9.60	0.54
Atp5o	249.77	6.36	244.01	15.27	237.43	6.33	214.74	11.65	213.57	9.40
Far2	204.21	39.01	200.20	58.64	131.63	45.83	126.49	53.80	115.19	59.69
Ccnd3	44.18	4.82	42.61	3.14	41.04	5.22	36.32	1.99	33.85	1.23

Ppa1	82.97	7.40	78.80	11.73	75.53	9.81	74.44	22.78	53.96	7.12
Slc25a5	403.92	23.05	373.64	37.61	365.29	26.22	348.73	34.25	310.76	16.78
Nrbp1	65.55	1.25	65.21	3.09	65.01	2.45	63.96	2.34	58.70	3.70
Foxe1	0.92	0.51	0.24	0.13	0.23	0.24	0.23	0.12	0.14	0.11
Malsu1	16.68	0.73	14.35	0.96	14.25	1.36	14.18	2.15	13.56	0.56
Urod	37.95	3.87	35.22	4.04	33.40	2.18	33.05	3.13	28.02	4.81
Rpl7a	1362.79	87.42	1353.99	30.03	1316.35	53.47	1287.11	101.59	1233.05	72.58
Mcat	7.06	0.90	6.91	0.89	6.64	0.58	6.60	0.24	6.11	0.67
Fabp5	1246.35	40.51	1035.23	132.90	917.97	128.35	700.32	123.75	639.65	87.13
Agl	3.93	0.29	3.25	0.37	3.18	0.63	3.17	0.52	3.06	0.79
Tarbp2	22.69	1.61	21.85	1.87	21.59	1.13	21.20	2.10	18.92	2.30
Edc3	12.04	0.58	11.37	0.61	10.97	0.28	10.69	0.35	10.05	0.78
Hist1h2bc	61.97	8.69	60.91	7.50	34.60	4.84	33.91	2.54	29.18	2.04
Fam84a	79.99	2.38	68.83	4.51	68.28	8.43	62.22	8.50	61.13	1.11
Sult2b1	181.80	18.45	161.30	17.31	139.52	20.00	116.48	18.88	111.77	21.84
Mecr	20.88	0.54	19.74	1.66	18.62	1.02	18.05	2.07	17.55	1.35
Gadd45g	11.44	1.99	9.55	2.70	9.36	1.91	9.20	2.40	7.02	1.77
Brwd3	2.10	0.61	2.01	0.13	1.97	0.39	1.93	0.24	1.91	0.38
Uchl3	82.66	11.06	78.01	9.05	75.16	13.78	64.06	17.73	61.16	4.81
D11Wsu47e	3.40	0.30	3.32	0.73	3.19	0.52	2.89	0.33	2.78	0.43
Pa2g4	172.10	10.33	161.50	18.33	150.00	10.94	149.88	18.38	147.73	14.75
Chchd10	37.28	1.41	33.75	5.01	27.08	4.15	23.69	6.03	20.95	6.07
S100z	0.60	0.53	0.39	0.36	0.32	0.22	0.24	0.36	0.08	0.18
Agpat3	73.31	5.28	66.38	7.91	61.49	4.64	58.24	4.27	55.04	4.40
Aars	33.58	5.81	29.58	4.25	28.26	5.03	25.16	4.56	22.98	3.26
Pdss2	4.54	0.79	3.41	0.75	3.25	0.30	3.12	0.40	2.77	0.56
Hnrnpab	211.33	9.17	206.68	16.35	205.28	16.05	203.86	22.83	191.41	22.56
Adamts19	0.90	0.23	0.21	0.09	0.19	0.18	0.10	0.04	0.09	0.05
Hnrnpl	138.91	10.30	129.89	6.18	127.73	3.14	127.41	5.41	119.45	8.49
Unc119b	12.49	1.12	11.94	1.76	11.47	1.52	10.63	0.89	9.88	1.15
Gps1	45.97	0.56	44.24	2.50	44.08	2.98	43.24	3.99	42.93	2.95
Tmem79	91.58	10.65	85.52	3.30	77.46	4.45	75.63	5.99	75.16	8.87
Hsd17b4	42.63	2.53	41.71	5.98	41.43	3.37	39.91	5.26	36.15	7.85
Selenoh	39.64	4.46	38.84	5.24	29.83	3.67	29.59	1.12	26.23	4.24
Vcp	169.50	2.12	163.11	12.61	155.95	7.07	144.55	8.36	144.50	6.51
Hoxc13	10.15	1.48	6.92	1.65	6.87	2.04	6.75	1.02	5.95	1.33
Ddx39	49.84	3.13	49.46	8.01	48.02	5.84	44.34	10.83	40.10	7.43
Cks2	37.78	5.39	36.53	8.28	30.12	2.46	27.94	4.44	27.12	0.94
Chac1	5.76	0.76	5.35	0.74	5.02	0.46	4.18	0.84	3.79	0.39
Sparc	346.23	74.94	247.53	91.77	182.06	71.88	145.31	6.88	125.61	23.88
Dohh	40.25	2.66	39.86	1.44	37.75	1.87	36.87	3.67	33.79	4.34
Cox6a1	567.95	27.91	530.95	22.34	456.19	30.84	438.11	21.19	373.49	27.47
Col1a2	79.17	25.42	72.11	31.30	42.29	25.21	35.99	6.47	30.75	13.24
Cyren	2.51	0.42	2.36	0.50	2.28	0.54	2.23	0.22	2.14	0.62
Hax1	48.12	1.16	48.12	5.85	47.00	5.65	45.69	5.50	37.29	2.82
Gstm7	2.03	0.29	1.42	0.42	0.92	0.46	0.91	0.45	0.74	0.14
Sin3b	45.20	3.42	43.89	2.55	39.82	1.99	39.67	4.17	39.57	2.51

Nt5e	12.94	0.97	12.69	1.95	11.54	2.08	11.50	1.62	11.21	2.80
Ttr	4.97	0.50	4.56	1.02	4.04	0.90	3.22	1.89	2.00	0.53
Snx3	132.11	9.37	124.07	6.83	120.57	9.03	117.91	6.05	112.65	2.18
Acoxl	22.97	3.14	10.34	2.87	6.73	1.86	6.50	1.94	6.09	1.78
Col4a1	15.93	1.95	15.76	3.99	15.13	3.08	14.22	3.22	10.55	3.76
Tuba4a	308.80	14.16	293.34	38.91	283.72	25.69	262.15	53.44	230.82	37.60
Kcnj12	1.07	0.25	0.45	0.12	0.29	0.05	0.26	0.10	0.18	0.06
Fgf21	0.54	0.12	0.26	0.21	0.24	0.10	0.18	0.10	0.13	0.10
Cisd1	68.18	7.52	60.60	12.69	54.51	11.02	50.87	9.49	46.26	10.05
Lap3	56.23	6.69	46.68	8.06	38.06	7.66	37.21	9.55	34.96	9.84
Ttc39c	10.90	0.43	10.51	0.59	10.12	0.30	9.96	0.72	9.18	0.54
Pbk	12.78	2.55	12.05	2.57	11.35	2.23	9.30	1.35	8.94	1.82
Ebp	63.03	0.94	55.44	4.31	49.80	3.27	48.17	1.89	45.32	3.21
Cryzl2	5.12	0.52	3.79	0.49	3.00	0.47	2.60	0.42	2.24	0.26
Lsm2	40.75	2.10	40.43	3.95	36.33	4.47	35.24	2.70	33.80	4.12
Hmcn1	1.72	0.33	1.65	0.45	1.10	0.37	1.08	0.28	0.87	0.18
Tars	40.97	1.09	39.28	5.53	39.23	5.23	38.25	8.75	33.97	2.95
Nasp	33.00	5.60	32.08	2.95	29.96	2.91	29.82	3.84	28.57	4.72
Acot1	58.19	3.34	49.27	10.65	41.71	7.00	40.78	3.06	29.44	6.37
C9orf72	4.83	0.67	4.46	0.54	4.34	0.39	4.20	0.44	4.01	0.83
Hnrnpm	75.30	4.52	75.29	6.15	71.89	4.43	71.04	3.13	69.29	4.55
Pex11a	16.26	3.28	15.86	2.94	13.85	1.56	13.44	2.14	11.63	3.96
Eif3b	120.94	7.29	118.88	12.11	116.87	5.39	116.02	15.91	106.87	10.91
Rita1	5.64	1.05	5.63	0.61	5.05	0.50	4.84	0.72	4.71	0.25
Metrnl	34.14	2.65	31.07	2.35	30.77	2.19	27.29	1.29	25.26	1.48
Cdkn2d	16.29	3.42	15.39	1.68	13.37	0.92	12.94	0.74	11.67	0.77
Prkcsh	47.45	4.08	43.78	2.61	38.60	2.14	38.55	1.62	37.49	3.56
0610009B22Ri	19.22	1.86	18.11	0.59	17.57	1.40	17.15	0.59	16.12	1.61
Nudt5	22.33	1.98	19.74	2.48	18.55	3.45	17.07	2.14	15.64	1.38
Atg101	25.08	2.19	20.48	1.42	19.68	0.79	19.59	0.72	18.10	1.94
1700102P08Ri	0.90	0.08	0.83	0.26	0.81	0.23	0.74	0.24	0.72	0.27
Mrpl57	14.77	1.16	14.47	0.55	13.22	0.61	13.03	2.23	10.56	1.13
Wdr83os	128.17	8.34	117.86	11.25	106.43	8.94	100.49	7.06	94.09	11.63
Nhp2	155.31	9.38	153.14	13.37	131.44	9.48	128.14	23.67	103.56	16.90
Nt5dc2	39.39	3.52	31.94	3.80	29.85	1.67	27.16	4.00	22.26	3.87
Eif3g	139.11	3.63	136.38	8.86	133.54	8.05	131.65	16.51	122.83	12.67
Tmem208	40.46	1.54	38.78	3.15	37.30	1.73	35.31	5.02	33.99	1.99
Ngdn	26.84	1.13	26.70	2.60	25.99	1.91	22.68	3.55	22.32	1.70
Ctsd	765.66	58.49	598.70	65.73	550.29	56.77	534.64	44.00	502.68	21.94
Dolk	11.77	0.96	10.08	2.15	9.65	0.62	9.59	0.89	8.22	1.37
Ahcy	25.69	0.41	24.42	4.14	23.92	3.70	17.99	2.74	17.78	2.34
Cldn10	1.29	0.10	3.08	0.69	3.83	1.28	4.17	0.35	4.40	1.33
Ms4a4d	0.37	0.14	1.46	0.43	2.06	0.51	2.40	0.61	3.02	1.57
Aebp1	4.46	0.64	15.29	4.40	17.96	5.98	18.72	6.71	25.62	12.50
Prdm8	0.22	0.04	0.35	0.11	0.40	0.09	0.79	0.23	0.88	0.50
Cyp4v3	1.83	0.23	3.33	0.46	4.37	0.60	5.26	1.06	6.50	1.68
Fbp2	0.38	0.18	0.77	0.22	0.99	0.45	1.31	0.35	1.53	0.38

Pde4b	4.84	0.38	7.45	0.94	9.94	1.06	9.97	1.36	13.46	4.01
Shox2	0.87	0.38	1.83	0.62	1.88	0.40	1.98	0.45	2.33	1.24
Dcn	50.84	8.96	175.85	49.28	199.49	92.15	252.77	100.48	299.51	173.07
Zc4h2	0.45	0.13	0.69	0.13	0.77	0.31	0.78	0.25	0.83	0.32
Gbp6	0.51	0.15	1.00	0.28	1.16	0.21	1.45	0.31	1.59	1.00
Atp12a	3.00	0.50	16.88	3.71	17.41	2.90	22.38	2.04	41.48	10.12
Cpq	1.34	0.46	2.04	0.68	2.25	0.63	2.44	0.54	2.63	1.39
Ajm1	0.16	0.11	0.29	0.03	0.49	0.11	0.85	0.16	1.37	0.27
C1qtnf5	0.77	0.12	1.38	0.47	1.50	0.65	1.60	0.35	1.87	1.00
Gm5751	0.15	0.17	0.28	0.29	0.29	0.31	0.36	0.17	0.57	0.28
Apol9b	0.52	0.24	0.70	0.30	1.13	0.36	1.38	0.50	1.39	0.35
Npy1r	0.63	0.10	1.02	0.22	1.11	0.46	1.77	0.66	1.83	0.17
Pi16	2.16	0.67	8.64	4.23	12.58	5.10	15.67	5.49	26.64	22.24
Serping1	10.55	2.61	42.48	13.89	47.71	17.03	57.37	19.75	68.05	38.58
Tnxb	4.85	0.88	12.73	3.70	13.04	2.95	16.28	1.37	17.90	3.18
Dpyd	0.26	0.09	0.67	0.14	0.71	0.13	0.92	0.20	1.13	0.40
Col23a1	8.62	0.66	18.86	3.12	20.44	1.78	24.42	1.16	27.63	0.27
Sp100	2.25	0.42	4.11	0.80	5.71	0.95	6.06	0.28	6.54	1.71
Arhgap6	0.19	0.11	0.44	0.15	0.52	0.13	0.57	0.06	0.60	0.23
Ankrd6	0.49	0.09	0.75	0.05	0.83	0.09	1.18	0.10	1.25	0.23
Gm21541	2.41	1.42	3.12	1.98	3.88	1.80	5.09	1.33	9.47	5.71
Lama1	0.16	0.10	0.27	0.08	0.71	0.28	0.76	0.12	1.03	0.32
Bco1	0.74	0.31	1.19	0.41	1.28	0.28	1.46	0.46	1.67	0.29
Stmn2	0.68	0.19	1.41	0.60	1.98	0.82	2.28	0.38	3.50	1.38
C1ra	0.90	0.19	3.58	1.03	4.47	2.06	6.24	1.77	7.52	4.68
Rec114	0.27	0.15	0.56	0.20	0.58	0.25	0.64	0.16	0.74	0.46
Prrt2	1.34	0.23	2.43	0.60	2.88	0.30	3.09	0.41	3.78	1.10
Serpina3c	0.56	0.37	1.43	0.58	2.12	0.83	2.24	0.56	3.69	2.57
Cd68	7.99	1.19	12.68	0.81	13.52	2.02	13.89	2.40	15.35	3.56
Flt3l	3.58	0.50	6.90	1.72	7.23	1.19	9.63	1.75	10.71	4.24
Cyba	6.17	1.77	10.49	1.51	11.80	1.96	12.52	2.29	12.67	3.99
Il7	0.50	0.11	0.52	0.13	0.86	0.17	1.08	0.20	1.26	0.67
Pgf	0.40	0.11	0.90	0.10	1.06	0.34	1.06	0.22	1.13	0.56
B3galt2	0.17	0.12	0.41	0.13	0.44	0.05	0.61	0.28	0.64	0.78
Pou6f1	2.14	0.27	2.27	0.23	3.44	0.32	4.03	1.25	4.25	0.71
Zc3h6	0.96	0.02	1.53	0.10	1.59	0.38	1.98	0.34	2.07	0.11
Kcne4	0.27	0.22	0.34	0.13	0.57	0.16	0.64	0.29	0.66	0.40
Erich2	0.13	0.12	0.18	0.09	0.38	0.15	0.49	0.22	0.95	0.47
Akr1c13	0.55	0.31	2.49	0.92	6.04	1.13	6.38	2.17	13.21	5.97
Fgfbp3	4.32	0.40	4.34	0.88	6.52	1.26	7.48	1.80	7.50	2.87
S100a9	10.23	3.08	10.49	3.14	40.39	29.27	41.16	28.03	55.13	28.28
Aldh1a1	1.29	0.13	2.55	0.50	3.46	0.62	3.48	0.61	4.20	2.27
Tifa	0.94	0.16	1.82	0.42	2.12	0.29	2.47	0.34	2.76	0.53
Prf1	0.79	0.31	0.87	0.33	2.23	0.66	2.33	0.24	2.95	0.79
Atp13a5	0.45	0.07	1.26	0.23	1.67	0.63	1.73	0.45	1.98	0.24
Scgb1a1	0.61	0.01	2.33	1.08	3.38	1.47	3.52	1.37	6.36	1.97
Spin2c	0.44	0.12	0.69	0.17	0.77	0.19	0.88	0.21	0.91	0.09

9530057J20Rik	0.37	0.12	0.54	0.18	0.85	0.12	1.09	0.13	1.39	0.51
Tnfsf18	0.40	0.24	0.43	0.15	0.46	0.18	0.53	0.08	1.11	0.77
Phldb2	4.43	0.71	4.46	0.49	5.73	0.80	5.80	0.42	9.43	1.80
C3	0.76	0.08	3.83	2.05	4.63	2.14	6.81	4.29	10.00	7.91
Prkar2b	1.52	0.29	2.35	0.65	2.40	0.40	2.60	0.15	2.87	1.63
Glb1l2	0.74	0.18	1.03	0.25	1.19	0.15	1.38	0.45	2.45	2.20
Gm21451	0.14	0.10	0.40	0.22	0.45	0.14	0.67	0.29	0.88	0.67
BB114814	0.56	0.16	0.93	0.23	1.28	0.47	1.28	0.33	1.57	0.42
Cacng7	0.50	0.11	0.94	0.17	1.23	0.20	1.41	0.58	1.43	0.67
Pcp4	0.70	0.31	1.29	0.57	1.81	1.02	4.33	0.58	5.53	1.88
Defb6	777.88	229.02	1075.05	114.81	1327.45	289.57	1336.90	157.63	2287.01	659.38
Gm38510	0.04	0.03	0.15	0.15	0.24	0.18	0.36	0.19	0.65	0.23
Tnip3	0.14	0.06	0.17	0.06	0.28	0.12	0.36	0.20	0.64	0.49
Agtr1a	0.22	0.13	0.59	0.25	0.63	0.06	0.79	0.20	0.84	0.56
105247125	0.16	0.04	0.33	0.08	0.46	0.23	0.56	0.33	0.64	0.38
Tnni3	0.92	0.23	2.33	0.21	2.54	0.44	2.81	0.58	3.24	0.78
Amhr2	0.31	0.14	0.49	0.16	0.97	0.27	1.41	0.25	2.44	0.65
Zic1	0.47	0.31	1.01	0.39	1.29	0.40	1.41	0.23	1.64	1.00
Kcnu1	0.18	0.05	0.32	0.10	0.34	0.12	0.48	0.25	0.53	0.09
Slc39a4	0.23	0.04	0.23	0.03	0.36	0.05	0.42	0.12	0.60	0.27
B3galnt1	0.30	0.10	0.51	0.19	0.67	0.13	0.74	0.24	0.75	0.42
Gm10591	2.41	1.42	3.12	1.98	3.88	1.80	5.09	1.33	9.47	5.71
Osbpl7	1.87	0.23	2.99	0.19	3.20	0.59	3.24	0.56	4.14	0.57
Flt4	0.41	0.07	0.92	0.38	1.27	0.69	1.29	0.49	1.62	0.78
Uba7	0.64	0.01	1.39	0.47	1.67	0.26	1.78	0.17	1.85	0.60
Prr16	0.33	0.11	0.64	0.20	1.09	0.32	1.37	0.41	1.38	0.81
Mill1	10.73	0.52	15.12	4.35	27.33	8.33	29.57	7.52	31.25	12.15
Scube1	0.48	0.15	0.83	0.18	1.05	0.10	1.09	0.45	1.17	0.53
Chst10	0.10	0.04	0.19	0.04	0.39	0.11	0.51	0.11	0.57	0.28
Ctso	1.25	0.18	2.79	0.58	2.93	0.47	3.12	0.53	3.35	0.48
Alx4	0.49	0.09	0.94	0.27	1.00	0.26	1.08	0.39	1.34	0.72
Rusc2	2.00	0.36	3.03	0.50	3.36	0.52	3.74	0.39	4.23	0.45
Casp4	2.37	0.30	6.30	1.12	14.54	2.54	15.46	2.37	21.02	3.94
Akap12	0.33	0.08	0.61	0.18	0.68	0.18	0.80	0.19	0.83	0.37
Ccl11	0.80	0.41	4.87	1.81	5.55	3.13	7.23	2.98	9.48	6.90
F830045P16Rik	1.12	0.09	1.49	0.54	2.68	0.94	3.15	1.01	3.46	1.59
Reck	1.26	0.28	2.60	0.54	3.36	0.74	3.71	0.66	4.31	2.39
Cep295nl	1.07	0.12	1.63	0.38	2.03	0.13	2.16	0.20	2.26	0.30
Gsta3	1.17	0.31	2.12	0.51	3.01	1.52	3.26	0.93	3.61	2.20
Cyp2f2	5.53	1.98	12.17	4.47	21.04	11.59	30.18	7.32	53.18	30.18
Sp5	0.16	0.10	0.41	0.06	0.43	0.07	0.67	0.19	0.82	0.30
Pced1b	0.61	0.13	1.16	0.20	1.46	0.36	1.55	0.33	1.71	0.45
Olfml1	0.66	0.14	0.98	0.53	1.01	0.51	1.09	0.32	1.84	1.34
Apol9a	0.54	0.20	0.63	0.11	1.11	0.82	1.46	0.76	2.10	0.40
Steap4	12.38	1.48	12.91	1.83	13.21	1.03	21.10	3.83	25.77	9.12
C2	0.81	0.34	1.47	0.44	2.80	0.64	3.12	0.91	5.30	1.94
Nexn	1.07	0.21	1.70	0.30	1.71	0.18	2.33	0.10	2.60	0.51

Nlrp1b	0.45	0.17	1.28	0.24	1.29	0.58	1.64	0.30	1.75	0.14
Irx6	0.04	0.05	0.31	0.10	0.32	0.19	0.45	0.20	0.58	0.24
Nudt16	0.58	0.09	1.17	0.34	1.25	0.19	1.36	0.23	1.37	0.27
Cd209a	0.35	0.18	0.89	0.19	1.20	0.51	1.73	0.93	2.17	1.91
Tceal3	0.58	0.14	1.03	0.20	1.18	0.30	1.23	0.30	1.45	0.33
Serpina3g	12.73	1.22	25.46	4.85	27.75	5.47	29.78	5.51	31.45	5.01
Tmem106a	2.62	0.22	4.80	0.41	5.38	0.85	5.60	0.66	6.02	1.83
Dnaaf3	0.98	0.10	1.88	0.13	2.31	0.28	2.60	0.25	3.18	0.26
Cytl1	0.04	0.03	0.24	0.18	0.30	0.20	0.40	0.24	1.00	1.24
Ikzf4	0.46	0.03	0.49	0.04	0.59	0.16	0.59	0.09	1.08	0.16
Mgl2	1.97	0.54	3.00	0.87	4.95	2.78	6.01	1.49	7.36	5.24
Cd209e	0.09	0.06	0.38	0.19	0.75	0.40	0.87	0.35	2.21	2.24
Gm5941	0.94	0.07	1.02	0.44	1.17	0.43	1.97	0.48	5.14	1.30
Morn3	0.27	0.16	0.45	0.21	0.50	0.26	0.51	0.19	0.52	0.13
Man1a	2.51	0.67	5.09	0.40	7.10	1.03	7.15	1.78	7.33	3.78
Mme	0.55	0.10	1.04	0.21	1.36	0.32	1.53	0.30	2.43	1.46
Efemp1	4.45	0.67	13.53	3.08	16.31	4.62	19.99	4.77	23.97	8.64
Cd180	0.19	0.07	0.36	0.19	0.38	0.14	0.43	0.15	0.53	0.41
Abcb1b	2.12	0.33	3.23	0.18	3.63	0.38	4.01	0.40	4.28	0.35
Ccl21c	2.41	1.42	3.12	1.98	3.88	1.80	5.09	1.33	9.47	5.71
Clca3a1	6.56	1.29	10.49	1.83	10.69	2.59	13.62	1.92	15.99	3.27
Otx1	0.09	0.01	0.18	0.08	0.28	0.09	0.42	0.24	0.57	0.29
Aoc3	1.12	0.28	1.91	0.77	2.55	0.62	2.57	0.65	4.38	4.91
Dpep1	1.35	0.96	3.49	1.45	4.09	1.50	4.90	2.60	6.46	4.30
Cuzd1	0.36	0.11	0.37	0.15	0.88	0.23	0.97	0.43	1.36	0.29
Lbp	0.69	0.24	2.05	0.68	4.64	2.62	5.02	2.98	6.42	3.68
Fn3k	0.18	0.13	0.28	0.05	0.31	0.07	0.56	0.07	0.58	0.32
Casp1	3.23	0.91	8.79	1.21	18.19	2.81	20.20	1.79	21.20	4.51
Gm13304	2.41	1.42	3.12	1.98	3.88	1.80	5.09	1.33	9.47	5.71
Ndp	0.32	0.10	0.53	0.06	0.62	0.19	0.68	0.08	0.69	0.40
Svep1	0.12	0.02	0.54	0.20	0.56	0.19	0.56	0.14	0.92	0.54
Cd302	1.27	0.21	4.00	1.24	5.07	1.42	5.38	1.72	6.20	3.09
Steap2	0.21	0.06	0.55	0.06	0.71	0.06	0.87	0.19	0.94	0.09
Cped1	0.85	0.17	2.60	0.80	2.78	0.63	3.44	0.62	3.44	1.81
Serpina3i	12.84	1.36	19.98	4.91	21.28	8.32	22.12	4.49	30.46	6.53
Stx1b	0.22	0.11	0.38	0.08	0.55	0.08	0.59	0.12	0.71	0.22
Meiob	0.24	0.17	0.39	0.06	0.46	0.20	0.93	0.22	1.11	0.35
Ntn1	0.92	0.17	2.86	1.03	3.54	1.39	4.28	0.59	4.45	2.46
Slit2	0.19	0.01	0.63	0.19	0.68	0.14	0.80	0.14	0.97	0.60
Emx2	0.46	0.08	1.19	0.36	1.34	0.57	1.65	0.29	1.79	0.46
Sfxn5	1.69	0.09	2.74	0.42	3.01	0.67	3.27	0.73	3.56	0.29
Unc93a2	0.92	0.30	1.10	0.57	1.30	0.27	1.95	0.66	2.59	0.73
Rab11fip4	9.74	0.22	16.22	2.66	17.09	3.06	18.38	4.44	20.26	2.26
Adcyap1r1	0.04	0.03	0.11	0.07	0.19	0.09	0.28	0.05	0.66	0.51
Kctd12	19.36	2.91	30.81	3.02	35.40	5.89	36.71	10.75	44.65	7.31
Apol7a	1.04	0.18	1.41	0.30	1.88	0.63	1.99	1.19	4.29	1.26
Calca	0.05	0.03	0.15	0.11	0.53	0.17	0.55	0.17	0.56	0.46

Gpnmb	4.02	1.26	5.99	0.64	11.93	2.64	14.95	1.41	22.58	5.19
Rnf32	0.32	0.18	0.36	0.07	0.37	0.11	0.43	0.25	0.56	0.27
Foxred2	1.68	0.10	2.38	0.20	2.57	0.12	3.23	0.31	3.25	0.50
Plekha2	6.19	0.24	8.36	0.79	9.54	1.23	11.28	0.61	11.47	1.05
Ttc12	0.79	0.04	0.80	0.17	0.92	0.21	0.96	0.26	1.19	0.38
Aldoc	5.86	0.46	6.09	0.51	6.63	0.43	7.83	2.04	9.86	0.63
Lonrf1	1.69	0.21	1.97	0.24	2.34	0.38	2.63	0.48	2.73	0.26
Hivep1	6.24	0.20	7.88	0.93	8.20	0.50	8.32	1.62	9.24	1.23
Naa35	17.72	0.96	17.78	0.91	18.03	0.86	18.17	0.32	19.01	0.88
Arid1b	7.80	0.24	8.65	0.66	8.88	0.47	8.95	0.86	9.08	1.25
Abcc1	24.72	1.95	26.79	1.28	26.81	1.01	27.53	1.13	30.37	1.81
Plk2	8.96	1.33	11.35	1.04	11.89	1.24	12.82	2.58	14.29	1.45
Zfp606	1.41	0.26	1.74	0.08	1.76	0.26	1.79	0.18	1.96	0.34
Ncoa2	6.08	0.55	7.40	0.62	7.68	0.79	7.80	0.91	8.05	1.41
Man2b2	12.85	1.34	13.84	1.43	15.51	1.99	17.87	1.52	18.11	1.85
Zfp784	2.95	0.35	3.33	0.46	3.45	0.37	3.70	0.32	3.82	0.43
Tnfrsf13b	0.47	0.06	0.49	0.12	0.60	0.24	0.63	0.15	0.68	0.31
Foxj2	9.50	0.69	11.13	1.06	11.73	1.16	12.54	1.58	13.05	1.21
Slc25a45	2.58	0.11	3.65	0.60	3.92	0.53	4.16	0.31	4.71	0.58
Rcor3	6.26	0.73	6.86	0.56	7.31	1.25	7.62	1.08	7.92	0.73
Cyld	3.40	0.37	4.51	0.16	4.69	0.23	4.83	0.72	5.05	1.02
Net1	86.37	5.19	96.62	7.20	114.83	11.45	117.23	13.89	118.03	10.30
Acadsb	11.67	1.36	11.79	0.74	12.28	1.48	12.66	1.05	13.18	1.08
Arl4c	18.82	1.35	21.30	1.52	24.97	1.98	27.10	0.94	27.95	2.60
Wasf2	32.28	2.68	34.24	1.09	35.33	0.93	35.71	4.10	40.75	3.03
Cryz	2.62	0.97	3.24	0.37	3.30	0.31	3.52	0.52	3.53	0.34
Gm1673	0.44	0.24	0.56	0.47	0.59	0.37	0.81	0.15	1.04	0.28
Sik1	19.92	7.21	21.58	4.15	22.46	6.06	24.51	4.82	31.13	4.29
Tcp11l1	0.53	0.10	0.61	0.15	0.75	0.11	0.79	0.11	0.88	0.11
Reep3	32.46	1.25	33.06	2.75	33.99	2.80	34.58	2.39	37.47	3.00
Zfp984	2.04	0.31	2.99	0.36	3.23	0.50	3.64	0.70	3.66	0.68
Mdc1	5.57	0.83	6.60	0.48	7.09	0.50	7.47	0.48	8.39	0.91
Ppm1l	1.28	0.01	1.31	0.12	1.64	0.14	1.86	0.25	1.95	0.25
Lrrcc1	1.79	0.29	2.01	0.12	2.04	0.62	2.17	0.17	2.21	0.66
Cdh4	1.63	0.24	2.28	0.37	2.57	0.76	2.87	0.15	3.67	0.40
Srr	4.96	0.59	6.09	0.77	6.12	0.53	6.18	0.72	6.68	1.12
Mcm9	2.59	0.28	3.65	0.54	3.68	0.40	3.70	0.36	3.94	0.33
Chpt1	4.05	0.19	5.06	1.16	5.32	0.87	6.24	0.74	6.37	3.54
Hfe	4.06	0.60	5.20	0.82	5.24	0.76	5.32	0.39	5.35	1.48
N4bp2l1	3.23	0.40	3.97	1.06	4.80	1.30	5.51	0.65	5.96	1.52
Col17a1	332.24	25.79	389.35	25.35	407.98	46.00	453.75	55.58	483.97	56.54
Vim	201.34	34.02	273.32	61.43	296.93	52.65	301.84	30.10	321.73	95.01
Smpdl3a	35.42	3.66	43.95	4.66	46.39	6.15	58.65	7.46	71.67	5.50
Nod2	3.66	0.61	4.10	0.47	5.52	1.27	6.21	1.64	6.79	1.83
Gimap1	1.89	0.07	2.43	0.28	2.49	0.37	2.61	0.18	2.99	0.45
Dock3	0.30	0.12	0.39	0.04	0.40	0.06	0.45	0.03	0.52	0.06
Top1mt	8.03	0.36	11.13	0.72	11.24	0.99	11.26	0.77	11.48	1.31

Ccdc88a	0.65	0.08	0.74	0.11	0.82	0.09	0.84	0.16	0.96	0.38
Fbxo32	5.60	0.25	7.50	1.09	8.57	1.50	8.69	2.54	9.56	2.23
Bbs7	1.36	0.36	2.00	0.23	2.01	0.25	2.23	0.34	2.32	0.37
Arnt2	0.58	0.16	0.67	0.09	0.70	0.14	0.84	0.03	0.93	0.26
Zhx3	2.53	0.24	2.78	0.30	2.94	0.37	2.95	0.47	3.53	0.60
Zfp36l1	64.91	13.71	69.44	7.28	72.75	7.72	84.27	2.91	90.04	15.93
Adat3	3.00	0.49	3.99	0.48	4.07	0.63	4.24	0.47	4.46	0.93
Ptpn23	14.24	1.36	15.14	1.54	15.56	0.93	16.58	1.73	17.51	0.59
Rufy2	1.98	0.55	2.48	0.31	2.75	0.31	2.88	0.26	2.97	0.61
Dpy19l3	0.92	0.13	1.20	0.15	1.45	0.15	1.56	0.24	1.56	0.22
Gsk3b	11.81	0.35	13.06	0.39	13.77	1.32	14.16	1.78	14.25	1.86
Tmem127	20.51	0.84	21.91	0.81	22.75	1.39	22.80	2.48	23.43	1.30
Ppp1r1a	0.24	0.06	0.35	0.18	0.47	0.26	0.56	0.17	0.67	0.53
Col4a6	3.62	0.18	3.72	0.84	4.26	0.76	4.89	1.54	5.26	0.59
Ssc5d	0.61	0.12	0.64	0.18	0.77	0.26	0.77	0.08	0.95	0.52
Dcbld2	1.10	0.10	1.43	0.09	1.45	0.21	1.58	0.11	1.63	0.32
Wdr45	22.66	1.48	24.89	1.84	25.10	3.65	26.20	4.37	27.54	4.24
Il1r2	43.70	3.19	43.80	7.76	57.05	7.73	65.68	8.69	79.16	8.14
Zfp939	1.46	0.15	1.75	0.20	1.80	0.26	1.81	0.36	1.96	0.31
Il10rb	10.17	0.20	13.06	1.27	13.26	1.07	13.78	0.67	13.80	2.23
Cipc	15.10	1.33	19.98	1.39	20.82	2.77	21.20	2.93	22.99	4.12
Mcur1	16.30	1.34	17.53	1.10	18.14	1.37	18.75	1.30	20.70	1.71
Phf21a	6.58	0.53	8.15	0.95	8.70	1.77	9.61	1.05	9.69	1.41
St3gal1	2.58	0.95	3.44	0.87	4.21	1.42	4.42	2.70	4.54	2.00
Rab32	6.15	0.26	7.35	0.57	9.46	1.22	10.22	1.28	11.64	0.84
Ghr	11.42	1.54	13.26	1.31	14.23	1.73	15.16	1.70	15.45	5.36
Nhsl1	13.34	0.76	13.82	1.80	15.28	1.52	16.67	3.52	19.84	2.27
Plekhh1	0.66	0.09	0.78	0.14	0.82	0.09	0.85	0.31	0.91	0.15
Kif13a	8.48	0.37	9.78	0.39	9.90	0.78	10.45	1.28	13.30	0.36
Kmt2e	18.26	0.52	19.75	2.29	19.98	1.14	21.20	2.90	25.11	3.61
Trim26	13.79	1.04	15.66	1.32	15.78	1.93	16.85	1.93	17.30	0.99
Lrp10	72.13	6.25	76.22	3.38	77.07	6.82	79.17	4.80	79.31	6.11
Foxn3	11.99	1.34	12.97	1.43	14.12	3.16	14.77	2.72	16.04	2.35
Mfap3	7.63	0.93	7.91	0.39	7.95	0.75	8.04	0.82	8.48	0.97
Hsf2	10.63	0.93	12.70	1.26	12.85	2.22	13.58	1.87	14.78	1.56
Zfp820	0.66	0.11	0.70	0.06	0.78	0.08	0.84	0.19	0.94	0.29
Nub1	19.54	0.44	20.90	1.34	21.76	1.46	22.20	0.97	22.44	2.28
Ank2	0.34	0.10	0.39	0.10	0.39	0.13	0.47	0.10	0.67	0.31
Susd6	22.45	1.60	29.05	2.55	30.19	2.55	33.07	2.40	33.19	4.64
Fam168a	6.08	0.48	6.55	0.47	7.06	0.61	7.32	0.93	8.46	1.60
Shroom4	1.76	0.14	2.39	0.30	2.49	0.34	2.57	0.44	2.59	0.26
Ptpn6	14.19	0.92	19.75	1.78	19.91	2.22	20.77	1.60	21.32	2.02
Impact	8.10	2.05	10.08	0.89	10.09	1.41	10.51	0.41	11.02	1.94
Dnajc11	23.47	0.94	23.96	1.23	24.45	2.38	25.13	2.01	25.72	2.26
Xrn1	4.09	0.56	4.36	0.30	4.40	0.49	4.52	0.40	4.74	0.54
Trpc1	0.52	0.08	0.66	0.07	0.88	0.16	0.91	0.19	1.06	0.16
Ccdc57	1.18	0.38	1.37	0.19	1.39	0.19	1.53	0.24	1.81	0.25

Trim47	13.20	1.20	14.82	2.50	15.35	1.36	15.65	1.58	18.02	2.46
Ahnak2	48.00	1.35	65.15	7.56	65.81	8.64	68.03	17.65	84.79	10.57
Atf7ip	11.27	0.93	14.42	0.60	14.76	1.83	14.89	1.89	15.04	1.91
Tut4	1.65	0.36	2.19	0.27	2.21	0.31	2.48	0.24	2.61	0.51
Pde4c	0.81	0.25	1.08	0.27	1.26	0.25	1.27	0.22	1.31	0.20
Akap9	3.81	0.60	4.14	0.23	4.17	0.39	4.18	0.49	4.49	0.65
Maneal	0.89	0.15	1.22	0.26	1.25	0.19	1.57	0.31	1.68	0.23
Clcn6	2.33	0.21	2.96	0.33	3.10	0.21	3.23	0.31	3.36	0.33
Zfp558	0.53	0.23	0.56	0.09	0.62	0.10	0.67	0.09	0.70	0.06
Cables2	7.53	0.49	9.37	0.50	9.76	0.66	9.89	0.82	10.50	0.46
Kat14	8.68	0.88	9.76	0.46	9.77	0.99	10.18	1.04	10.36	0.63
Cyfip2	3.96	0.15	5.24	0.58	5.82	0.29	6.09	1.19	7.05	0.54
Atxn1	4.49	0.81	4.82	0.18	5.11	0.64	5.27	0.25	6.95	0.81
Srrm1	37.48	2.00	38.97	1.10	41.03	1.24	45.12	2.70	45.20	3.35
Ptpdc1	2.38	0.06	2.85	0.21	3.33	0.60	3.48	0.24	3.63	0.29
Pomk	3.44	0.22	3.87	0.25	4.10	0.33	4.24	0.48	4.38	0.38
Plb1	1.86	0.13	1.86	0.43	2.30	0.49	2.65	0.34	2.86	0.58
Ep300	7.61	0.81	9.22	0.60	9.33	0.77	9.68	1.10	9.76	1.41
Dcaf5	6.12	0.39	6.47	0.39	6.66	0.29	7.15	0.47	7.71	0.62
Ppm1k	0.88	0.12	0.95	0.12	1.00	0.31	1.12	0.21	1.15	0.20
Lce1l	152.71	23.19	171.17	35.71	196.35	38.79	262.12	72.63	269.96	45.03
Poglut1	9.51	0.93	10.71	0.56	10.99	0.92	12.30	0.95	12.38	1.01
Kdm4c	5.33	0.92	5.76	0.45	6.04	0.70	6.33	0.53	6.66	1.07
Prcp	6.36	0.41	7.30	0.43	7.72	0.64	8.16	0.91	8.25	0.61
Spen	5.37	0.62	6.29	0.59	6.59	0.49	6.80	1.10	7.62	0.43
Dll1	9.88	1.34	10.79	0.92	11.86	1.82	12.28	0.76	14.78	3.12
Cbfa2t3	0.84	0.10	1.11	0.23	1.21	0.17	1.22	0.05	1.36	0.51
Vegfb	10.46	1.35	12.32	2.26	13.34	2.35	14.11	1.99	14.26	1.46
Olfm1	4.61	0.98	6.76	1.79	7.41	1.67	8.15	0.67	8.33	2.73
Arhgap42	2.54	0.40	3.30	0.22	3.45	0.45	3.61	0.36	4.14	0.63
Ids	8.78	0.66	9.67	0.74	10.60	0.66	12.04	2.00	15.51	2.33
Msh6	7.52	0.91	8.63	0.82	8.72	0.83	9.44	0.66	9.51	0.61
Ppp1r3d	0.67	0.22	0.94	0.16	1.04	0.14	1.24	0.13	1.24	0.18
Sf1	67.64	3.34	68.32	1.99	72.39	2.46	73.83	1.85	74.43	2.72
Dlg5	5.42	0.54	6.13	0.29	6.19	0.50	6.90	0.76	7.44	0.55
Ppm1a	34.86	1.09	36.27	1.44	37.67	1.78	38.09	2.21	40.11	3.85
Aifm2	1.46	0.26	1.93	0.40	2.09	0.32	2.46	0.28	2.52	1.18
Pitpnm2	8.71	0.80	9.63	0.79	10.66	1.25	12.57	1.48	13.83	0.98
Rpl39l	1.51	0.56	1.88	0.95	2.11	0.71	2.41	0.35	2.63	1.05
Ago1	11.79	0.29	12.81	0.57	12.93	0.90	13.94	2.32	15.45	1.61
Mbtps1	28.94	1.29	30.64	1.23	32.33	2.34	33.40	1.93	34.81	2.40
Fam129b	195.12	19.98	211.57	11.13	232.26	18.64	235.96	22.86	237.99	23.00
Birc2	7.47	1.39	8.06	0.43	8.67	1.14	8.76	0.44	9.39	1.19
Abca2	6.44	0.21	8.06	0.68	8.08	0.74	8.85	1.67	9.54	0.31
Gm46735	0.95	0.15	1.04	0.17	1.33	0.24	1.36	0.20	1.56	0.28
Isoc1	28.88	3.07	29.65	1.60	31.24	2.53	31.35	3.88	31.43	4.24
Abi2	2.42	0.26	2.48	0.19	2.66	0.28	2.96	0.33	3.03	0.62

S1pr4	1.92	0.42	2.11	0.37	2.39	0.62	2.41	0.21	2.68	0.33
Traf3	5.17	0.31	5.62	0.48	6.11	0.33	6.35	0.33	6.50	0.62
Hexb	23.62	2.00	25.57	1.76	27.92	2.52	28.09	3.54	30.94	3.05
Insl6	1.43	0.28	1.70	0.42	2.30	0.42	2.66	0.54	2.73	0.37
Etl4	8.12	0.36	10.41	0.64	10.57	1.36	10.98	1.51	10.98	1.59
Psen2	2.93	0.65	3.48	0.67	4.11	0.29	4.21	0.90	4.54	0.81
Cdk13	9.54	0.88	10.21	0.27	10.52	1.00	10.89	0.81	10.93	0.95
Dsg2	6.02	0.66	6.60	0.81	8.92	1.06	9.85	1.29	11.19	0.57
Ift74	3.41	0.49	3.60	0.28	3.70	0.46	3.80	0.76	3.83	0.73
Abca4	0.21	0.06	0.28	0.03	0.38	0.10	0.47	0.14	0.50	0.14
Inpp5e	6.16	0.47	7.53	0.48	7.64	0.94	7.84	1.04	8.15	0.47
Repin1	2.90	0.19	3.64	0.59	3.71	0.56	3.83	0.28	4.46	0.59
Unc93b1	3.22	0.41	3.65	0.58	3.96	0.66	4.92	0.40	5.09	1.41
Arsb	3.16	0.58	4.54	0.19	4.56	0.36	5.18	0.53	6.29	1.48
Fam102a	14.52	0.86	14.57	1.41	17.74	2.19	17.79	2.35	18.04	1.24
Slc12a4	14.59	1.85	15.78	1.25	17.53	1.44	19.17	0.63	19.33	0.83
Rhobtb1	3.86	0.64	4.12	0.78	4.40	0.70	4.72	0.85	4.96	0.53
Gdf10	1.40	0.30	1.71	0.40	2.08	0.64	2.49	1.24	3.25	1.75
Nfya	10.26	0.49	12.64	1.22	12.73	0.70	12.77	1.51	13.67	1.63
Usp53	2.56	0.44	3.80	0.49	3.99	0.73	4.32	0.55	4.72	1.01
Ncor2	21.60	3.13	23.88	2.59	28.83	3.00	29.39	2.88	34.62	2.19
BC048403	3.94	0.22	4.21	0.25	4.36	0.22	4.42	0.42	4.73	0.32
Rgs10	16.76	1.06	18.79	5.13	19.61	2.45	20.37	1.94	22.48	6.32
Crtc1	5.32	0.91	5.43	0.70	5.48	0.56	5.92	0.57	6.53	0.27
Zmynd11	23.84	3.39	27.31	1.49	27.96	2.01	28.73	2.11	30.14	3.91
Dennd4b	1.15	0.16	1.55	0.20	1.61	0.24	1.73	0.24	1.75	0.34
Jag2	44.30	6.60	48.72	4.12	50.58	5.50	59.11	4.33	59.74	5.92
Zfp36l2	96.62	20.93	98.53	7.13	122.04	16.82	124.65	24.40	128.88	9.42
Proser1	5.94	0.60	6.18	0.31	6.59	0.47	6.82	0.58	6.94	0.64
Nectin3	9.05	0.45	10.96	2.61	11.17	3.44	14.08	3.11	14.34	4.64
Ksr1	5.51	0.61	6.24	0.50	7.98	0.88	8.50	1.09	10.56	1.16
Il11	1.31	0.10	1.35	0.15	1.37	0.44	1.47	0.41	1.93	0.21
Tbc1d16	2.82	0.33	3.31	0.48	3.66	0.57	3.97	1.09	4.12	0.20
Zfp40	0.66	0.30	0.90	0.14	1.03	0.31	1.04	0.27	1.10	0.25
Mapt	0.66	0.06	0.78	0.12	0.81	0.15	1.09	0.16	1.11	0.10
Cnot6l	11.04	1.73	11.31	0.74	11.67	1.64	11.92	1.32	12.16	1.74
Galnt11	5.88	0.34	6.61	0.93	7.20	0.55	7.28	0.25	8.10	0.48
Nsun3	3.50	0.32	3.50	0.35	3.61	0.48	4.29	0.48	4.63	0.20
Nudt18	11.00	1.05	11.82	1.34	12.71	1.72	14.27	2.79	14.58	1.74
Il6st	15.12	1.01	17.63	1.31	21.31	2.97	22.20	2.74	23.54	4.06
St3gal6	2.76	0.64	3.77	0.34	4.25	0.63	4.61	0.46	4.96	0.87
Pam	16.62	0.76	21.67	1.88	23.10	0.60	24.63	2.30	25.40	2.15
Mfn2	15.10	0.80	17.97	0.83	19.99	1.12	20.75	1.02	20.80	0.56
Atp2b4	23.31	0.61	27.30	3.18	27.93	3.16	31.36	7.06	39.86	4.53
Bche	1.15	0.26	1.39	0.37	1.40	0.23	1.57	0.46	2.03	0.93
Zbtb34	1.59	0.12	1.72	0.16	1.79	0.11	1.91	0.27	1.97	0.17
Usp11	1.10	0.15	1.13	0.18	1.26	0.18	1.49	0.24	1.53	0.38

Ppp1r3e	1.59	0.13	1.81	0.22	1.99	0.31	2.17	0.33	2.34	0.42
Cyp2g1	122.62	68.32	178.77	83.66	243.75	120.25	289.95	96.77	348.21	204.40
Llgl1	23.12	1.78	24.44	0.57	24.60	1.71	24.66	0.93	26.09	1.34
Parp16	2.60	0.18	2.88	0.22	3.23	0.21	3.41	0.09	3.45	0.58
Ifnlr1	7.44	0.74	7.63	0.66	7.80	0.77	8.06	1.44	8.85	0.63
Prr3	7.43	0.34	7.63	0.51	8.46	1.13	9.03	1.20	9.08	0.97
Mbnl2	34.00	5.84	38.65	3.32	40.32	5.51	41.81	3.17	41.81	6.29
Parp4	2.54	0.17	3.80	0.38	4.57	0.15	4.63	0.66	4.90	0.79
Sun1	31.92	1.43	34.63	1.95	36.63	3.38	36.75	4.04	38.73	2.97
Unc79	0.37	0.01	0.49	0.12	0.66	0.12	0.78	0.18	0.91	0.16
Fam172a	13.74	1.35	16.24	1.18	16.43	2.48	16.82	0.97	17.12	1.63
Bicra	7.58	0.46	7.63	0.49	7.72	0.71	8.51	0.78	8.84	0.50
Elf1	16.23	0.64	17.09	0.91	18.53	1.78	19.04	1.79	19.25	2.05
Ncoa6	7.19	0.49	8.12	0.48	8.36	0.38	8.48	1.44	9.39	1.20
Ncoa1	5.72	0.33	6.80	0.26	6.84	0.48	7.27	0.98	7.40	1.02
Socs7	4.43	0.36	5.11	0.50	5.41	0.54	5.66	0.95	6.08	0.56
Atg2a	14.67	1.51	14.92	0.97	15.03	1.94	15.46	2.48	17.61	1.23
Celf4	1.80	0.27	2.41	0.25	2.57	0.54	2.70	0.35	2.84	0.31
Ngfr	9.87	0.58	10.54	1.56	11.38	4.35	16.83	4.48	17.31	3.49
Ppp6r3	19.72	0.35	20.46	0.38	20.67	0.73	20.98	1.16	21.30	0.69
Gatad2b	11.42	0.52	12.06	0.53	12.52	0.90	12.92	1.45	13.32	1.04
Gtf3c3	3.66	0.47	4.04	0.18	4.15	0.36	4.21	0.28	4.22	0.35
Smarcd1	9.07	0.94	9.98	0.68	10.28	0.94	10.43	0.46	10.51	0.61
Sh2d4a	13.09	2.51	14.36	1.02	15.23	2.24	15.42	1.84	18.95	1.77
Ppip5k1	5.96	0.26	6.48	0.77	6.76	1.01	7.56	1.37	7.64	0.72
Fam20a	0.82	0.11	1.12	0.48	1.32	0.17	1.45	0.22	1.53	0.41
Lamb3	43.51	4.87	47.73	3.38	49.50	9.66	51.15	7.73	53.40	8.84
Gm15411	5.70	0.78	7.44	0.55	8.50	1.09	8.83	2.14	9.61	1.07
Wfikkn1	0.66	0.05	0.68	0.13	0.70	0.19	0.89	0.26	0.92	0.17
Bid	2.33	0.64	2.43	0.39	2.92	0.46	3.27	0.85	3.64	0.53
Csrnp2	2.64	0.43	3.27	0.76	3.81	1.01	4.14	0.85	4.66	0.46
Ptpn14	11.36	1.37	13.73	1.78	15.01	3.55	16.86	4.47	20.34	4.07
Rcbtb1	2.99	0.38	3.88	0.51	3.93	0.43	4.20	0.29	4.23	0.69
Myo6	10.39	1.02	11.83	0.47	12.14	1.73	12.79	1.70	14.04	1.20
Tshz3	0.59	0.14	0.87	0.29	1.10	0.08	1.31	0.06	1.55	0.35
Gadd45b	17.45	0.90	18.04	2.29	18.91	1.32	19.70	2.08	24.23	2.30
Sppl2a	15.94	1.92	18.30	1.06	19.24	2.15	19.89	1.90	20.08	2.50
Atp8a1	3.62	0.50	3.80	0.67	3.82	0.42	3.94	0.75	4.13	1.52
Fads2	1.81	0.15	2.07	0.64	2.12	0.38	2.34	0.32	2.74	0.93
Gm3045	0.77	0.15	1.02	0.10	1.18	0.25	1.22	0.24	1.40	0.18
Serpina3m	0.64	0.11	0.94	0.31	1.14	0.20	1.38	0.47	1.63	0.28
Fam129c	0.73	0.08	0.90	0.37	0.96	0.15	1.11	0.20	1.26	0.21
Kcnj16	1.52	0.24	2.13	0.65	2.26	0.65	2.63	0.76	2.76	0.58
Nrp2	4.46	0.44	5.54	1.41	5.89	1.03	6.14	0.76	6.98	3.12
Ermard	5.12	0.82	6.66	1.12	6.69	0.72	6.98	0.79	7.11	0.65
Zfp687	6.23	0.18	6.32	0.31	6.72	0.52	7.01	0.58	7.19	0.52
Man2a2	10.57	0.57	11.84	1.99	11.90	1.27	12.63	1.02	15.97	3.41

Cd209c	2.93	0.93	3.68	0.58	3.69	0.47	3.72	0.72	3.97	0.80
Acp2	4.24	0.35	6.04	0.64	6.23	0.35	6.40	0.33	6.45	1.13
Tfcp2	2.74	0.32	3.49	0.54	3.68	0.28	3.99	0.30	4.37	0.23
Cluap1	9.39	0.76	9.61	0.63	9.82	0.66	10.06	0.53	10.43	0.82
Tshz2	3.17	0.08	3.82	0.80	3.83	0.54	4.19	0.84	4.59	1.07
Rnf44	28.54	1.34	32.51	0.59	35.33	1.94	35.37	3.08	35.43	1.50
Iigp1	0.95	0.27	1.36	0.55	1.73	0.53	1.88	0.54	1.90	1.22
Atat1	3.97	0.30	5.45	0.81	5.51	0.68	6.41	1.11	6.73	0.79
Sh2b3	7.04	0.41	8.58	0.87	9.03	0.47	9.78	1.05	9.99	1.36
Tpbgl	0.66	0.06	0.92	0.25	1.03	0.20	1.14	0.19	1.31	0.37
Ndst2	9.01	0.70	9.36	0.77	10.24	0.68	10.27	0.64	10.29	0.61
Phf21b	0.88	0.23	1.03	0.26	1.10	0.19	1.31	0.17	1.32	0.11
Pan3	11.79	2.26	13.94	1.14	14.21	2.04	14.80	2.50	15.34	1.53
Trmt9b	1.15	0.12	1.29	0.45	1.44	0.27	1.70	0.46	2.03	0.29
AI464131	1.70	0.35	1.95	0.42	2.02	0.43	2.33	0.38	2.67	0.91
Znrf1	15.32	1.52	15.65	2.80	17.62	2.61	18.56	2.41	21.28	1.43
Abl1	8.95	1.13	10.58	0.74	10.79	0.39	11.29	0.71	11.44	1.23
Serpina3f	3.11	0.31	4.28	0.99	5.16	1.67	5.40	0.97	7.33	1.43
Mmgt2	5.11	0.67	5.58	0.46	6.97	0.68	7.72	0.52	9.36	1.63
Cherp	22.63	1.00	22.89	0.88	24.78	1.24	24.99	1.52	25.24	2.26
Tpmt	1.85	0.66	2.33	0.24	2.40	0.42	2.43	0.15	2.48	0.51
Prrc2a	63.92	5.27	63.94	2.50	64.60	4.13	66.92	5.11	72.66	4.27
Fam76a	11.13	0.23	14.15	1.06	14.38	1.18	15.48	1.71	15.79	1.60
Cyp2j6	15.67	2.18	15.86	1.16	16.62	2.08	19.40	3.69	22.07	1.06

Table S3

2 months vs. 1 month old

GO_P Term I	GO_P Term Level2	Number of Term Genes	Q value
GO:0010466	metabolic process	7	0.0220
GO:0018149	metabolic process	5	0.0220
GO:0021893	developmental process	2	0.0220
GO:0050706	regulation of biological process	2	0.0220
GO:1902871	developmental process	2	0.0220
GO:0021882	developmental process	2	0.0371
GO:0042475	developmental process	5	0.0391
GO:0006508	metabolic process	15	0.0396
GO:0031424	developmental process	5	0.0396
GO:0021892	multicellular organismal process	2	0.0443
GO:0010463	cell proliferation	2	0.0480
GO:0010951	metabolic process	7	0.0480
GO:0021522	developmental process	3	0.0480
GO:0021544	multicellular organismal process	2	0.0480
GO:0042481	developmental process	2	0.0480
GO:0043587	developmental process	2	0.0480
GO:0045987	regulation of biological process	3	0.0480

6 months vs. 2 month old

GO_P Term I	GO_P Term Level2	Number of Term Genes	Q value
GO:0048511	rhythmic process	6	0.0017

12 months vs. 6 month old

GO_P Term I	GO_P Term Level2	Number of Term Genes	Q value
GO:0002462	developmental process	1	0.0150026
GO:0006006	metabolic process	3	0.0150026
GO:0009444	metabolic process	1	0.0150026
GO:0010906	metabolic process	2	0.0150026
GO:0031179	metabolic process	1	0.0150026
GO:0033034	regulation of biological process	1	0.0150026
GO:0034612	response to stimulus	2	0.0150026
GO:0038097	immune system process	1	0.0150026
GO:0042108	regulation of biological process	1	0.0150026
GO:0042593	biological regulation	3	0.0150026
GO:0042594	response to stimulus	2	0.0150026
GO:0045089	regulation of biological process	2	0.0150026
GO:0048160	reproduction	1	0.0150026
GO:0048661	regulation of biological process	3	0.0150026
GO:0051482	regulation of biological process	2	0.0150026
GO:0070994	response to stimulus	1	0.0150026

GO:0090317	regulation of biological process	1	0.0150026
GO:2000108	biological regulation	1	0.0150026
GO:2000399	regulation of biological process	1	0.0150026
GO:2000415	regulation of biological process	1	0.0150026
GO:2000478	developmental process	1	0.0150026
GO:2000534	regulation of biological process	1	0.0150026
GO:2000590	developmental process	1	0.0150026
GO:0009617	response to stimulus	3	0.01724409
GO:0010565	metabolic process	1	0.01724409
GO:0014823	response to stimulus	2	0.01724409
GO:0019543	metabolic process	1	0.01724409
GO:0032633	multicellular organismal process	1	0.01724409
GO:0032765	regulation of biological process	1	0.01724409
GO:0042700	response to stimulus	1	0.01724409
GO:0043406	metabolic process	2	0.01724409
GO:0045923	metabolic process	1	0.01724409
GO:0046327	metabolic process	1	0.01724409
GO:0061402	metabolic process	1	0.01724409
GO:0070543	response to stimulus	1	0.01724409
GO:0071320	response to stimulus	2	0.01724409
GO:1901750	metabolic process	1	0.01724409
GO:2000309	regulation of biological process	1	0.01724409
GO:2000418	immune system process	1	0.01724409
GO:2000584	regulation of biological process	1	0.01724409
GO:0001550	reproduction	1	0.02248066
GO:0015770	localization	1	0.02248066
GO:0045715	metabolic process	1	0.02248066
GO:0098971	localization	1	0.02248066
GO:1900625	biological adhesion	1	0.02248066
GO:1904640	response to stimulus	1	0.02248066
GO:0001865	developmental process	1	0.02650196
GO:0006475	metabolic process	1	0.02650196
GO:0031503	localization	1	0.02650196
GO:0042304	metabolic process	1	0.02650196
GO:0045860	metabolic process	2	0.02650196
GO:0051365	response to stimulus	1	0.02650196
GO:0010510	metabolic process	1	0.02732917
GO:0019344	metabolic process	1	0.02732917
GO:0042745	rhythmic process	1	0.02732917
GO:0043434	response to stimulus	2	0.02732917
GO:0046320	metabolic process	1	0.02732917
GO:0048133	developmental process	1	0.02732917
GO:0060005	response to stimulus	1	0.02732917

GO:0070741	response to stimulus	1	0.02732917
GO:0071376	response to stimulus	1	0.02732917
GO:2000467	biological regulation	1	0.02732917
GO:2000481	metabolic process	1	0.02732917
GO:0002682	regulation of biological process	1	0.0286808
GO:0006751	metabolic process	1	0.0286808
GO:0016310	metabolic process	4	0.0286808
GO:0045650	developmental process	1	0.0286808
GO:0051138	developmental process	1	0.0286808
GO:0070245	positive regulation of biological pro	1	0.0286808
GO:0071332	response to stimulus	1	0.0286808
GO:0072675	developmental process	1	0.0286808
GO:1904753	regulation of biological process	1	0.0286808
GO:0002693	immune system process	1	0.02901137
GO:0006954	response to stimulus	3	0.02901137
GO:0007623	rhythmic process	2	0.02901137
GO:0009744	response to stimulus	1	0.02901137
GO:0032869	response to stimulus	2	0.02901137
GO:0045124	regulation of biological process	1	0.02901137
GO:0051151	developmental process	1	0.02901137
GO:0071870	response to stimulus	1	0.02901137
GO:0072126	developmental process	1	0.02901137
GO:1900121	biological regulation	1	0.02901137
GO:1903208	negative regulation of biological prc	1	0.02901137
GO:0046321	metabolic process	1	0.03056128
GO:0048729	developmental process	1	0.03056128
GO:0048752	developmental process	1	0.03056128
GO:0051775	response to stimulus	1	0.03056128
GO:0061469	regulation of biological process	1	0.03056128
GO:0071456	response to stimulus	2	0.03056128
GO:2000391	regulation of biological process	1	0.03056128
GO:0006750	metabolic process	1	0.03325518
GO:0009299	metabolic process	1	0.03325518
GO:0030853	developmental process	1	0.03325518
GO:0035726	cell proliferation	1	0.03434595
GO:0043534	multicellular organismal process	1	0.03434595
GO:0044320	response to stimulus	1	0.03434595
GO:0045741	regulation of biological process	1	0.03434595
GO:0048660	cell proliferation	1	0.03434595
GO:0051897	regulation of biological process	2	0.03434595
GO:2000253	behavior	1	0.03434595
GO:0008285	regulation of biological process	3	0.03615018
GO:0010642	regulation of biological process	1	0.03630871

GO:0010745	developmental process	1	0.03630871
GO:0045410	metabolic process	1	0.03630871
GO:0002675	regulation of biological process	1	0.03643594
GO:0006090	metabolic process	1	0.03643594
GO:0010828	positive regulation of biological pro	1	0.03643594
GO:0034383	multicellular organismal process	1	0.03643594
GO:0035137	developmental process	1	0.03643594
GO:0043303	localization	1	0.03643594
GO:0071377	response to stimulus	1	0.03643594
GO:0071639	regulation of biological process	1	0.03643594
GO:0071872	response to stimulus	1	0.03643594
GO:0002430	regulation of biological process	1	0.03715056
GO:0010739	regulation of biological process	1	0.03715056
GO:0030728	reproduction	1	0.03715056
GO:0031953	metabolic process	1	0.03715056
GO:0033089	developmental process	1	0.03715056
GO:0034115	developmental process	1	0.03715056
GO:0035136	developmental process	1	0.03715056
GO:0002523	immune system process	1	0.03838815
GO:0006107	metabolic process	1	0.03838815
GO:0007143	reproduction	1	0.03838815
GO:0042438	metabolic process	1	0.03838815
GO:2001020	regulation of biological process	1	0.03838815
GO:0001823	developmental process	1	0.03863622
GO:0010804	regulation of biological process	1	0.03863622
GO:0010951	metabolic process	2	0.03863622
GO:0022407	biological adhesion	1	0.03863622
GO:0032609	multicellular organismal process	1	0.03863622
GO:0046888	regulation of biological process	1	0.03863622
GO:0050805	regulation of biological process	1	0.03863622
GO:2000811	regulation of biological process	1	0.03863622
GO:0043524	negative regulation of biological pro	2	0.03935274
GO:0010875	regulation of biological process	1	0.0396983
GO:0043616	cell proliferation	1	0.0396983
GO:0048066	pigmentation	1	0.0396983
GO:2000279	metabolic process	1	0.0396983
GO:0032270	metabolic process	1	0.04097016
GO:0051044	cellular process	1	0.04097016
GO:0061036	developmental process	1	0.04097016
GO:0070365	developmental process	1	0.04097016
GO:0007202	biological regulation	1	0.04216991
GO:0043551	metabolic process	1	0.04216991
GO:0050765	regulation of biological process	1	0.04216991

GO:1903204	regulation of biological process	1	0.04216991
GO:0006536	metabolic process	1	0.04301656
GO:0019395	metabolic process	1	0.04301656
GO:0032496	response to stimulus	2	0.04301656
GO:1904706	regulation of biological process	1	0.04301656
GO:1904754	locomotion	1	0.04301656
GO:0045670	developmental process	1	0.04466566
GO:0070208	cellular process	1	0.04466566
GO:0006165	metabolic process	1	0.04626994
GO:2000406	immune system process	1	0.04626994
GO:0001556	developmental process	1	0.04752841
GO:0045333	cellular process	1	0.04752841
GO:0045778	regulation of biological process	1	0.04752841

20 months vs. 12 month old

GO_P Term I	GO_P Term Level2	Number of	Term Genes	Q value
GO:0018149	metabolic process	8		0.0000
GO:0030216	developmental process	9		0.0000
GO:0061844	immune system process	8		0.0003
GO:0001503	multicellular organismal process	8		0.0004
GO:0010469	regulation of biological process	14		0.0022
GO:0071805	localization	8		0.0022
GO:0001878	response to stimulus	3		0.0038
GO:0031640	cell killing	4		0.0084
GO:0001958	developmental process	4		0.0099
GO:0006811	localization	15		0.0100
GO:0030431	multicellular organismal process	3		0.0100
GO:0002523	locomotion	3		0.0140
GO:0045079	metabolic process	2		0.0144
GO:0032496	response to stimulus	8		0.0153
GO:0009612	response to stimulus	5		0.0204
GO:0044140	regulation of biological process	2		0.0219
GO:0071799	response to stimulus	2		0.0219
GO:0008544	developmental process	5		0.0245
GO:0009611	response to stimulus	5		0.0245
GO:0070098	regulation of biological process	5		0.0275
GO:0042391	biological regulation	6		0.0275
GO:0090131	multicellular organismal process	2		0.0281
GO:0006813	localization	6		0.0329
GO:0010574	regulation of biological process	2		0.0329
GO:0016338	biological adhesion	3		0.0329
GO:0036006	response to stimulus	2		0.0329
GO:0044130	regulation of biological process	3		0.0329

GO:0098700	localization	2	0.0329
GO:0030593	immune system process	5	0.0372
GO:0045109	cellular process	3	0.0372
GO:0051971	regulation of biological process	2	0.0414
GO:0007613	behavior	5	0.0493
GO:0015670	response to stimulus	2	0.0493
GO:0042744	metabolic process	3	0.0493
GO:0048821	developmental process	3	0.0493
GO:0060326	locomotion	5	0.0493