

Supplementary Table 3. Gene expression profiles of cells for TXA2 analogue U46619 treated Angpt1 KO vs WT CDB T cells. Naive WT and Angpt1 KO CDB T cells were stimulated in vitro with anti-CD328 antibodies and rIL-2 in the presence of TXA2 analogue or vehicle control for 5 days. FPM values for all expressed genes shown are representative of three to four biological replicates per group.

Gene name	WT_05_Veh_2	WT_05_Veh_2	WT_05_Veh_3	WT_17_Veh_1	KO_05_Veh_1	KO_05_Veh_2	KO_05_Veh_3	WT_05_U46619_1	WT_05_U46619_2	WT_05_U46619_3	WT_05_U46619_4	KO_05_U46619_1	KO_05_U46619_2	KO_05_U46619_3	KO_05_U46619_4
Mpr15	1340.57969	1861.98933	1449.63156	1217.14191	1394.06371	1342.74797	1177.19453	458.45012	1377.26953	1377.17508	1397.05122	1243.16776	1291.75922	1216.18461	1235.21439
Lcpal	257.14448	250.80672	1415.17249	1270.62375	1184.38927	1393.69459	1404.51474	1399.58362	1527.40606	1515.72119	1500.15098	1428.69764	1428.35493	1294.85341	
Tea1	1261.24588	2528.90331	2503.76658	2504.15545	2431.113961	2252.93782	2477.06970	2619.81936	2795.97088	2517.13806	2708.02781	2413.46312	2408.53224	2485.58240	2485.51869
Applp2b	961.92238	912.865238	884.972638	894.972638	894.972638	894.972638	894.972638	894.972638	894.972638	894.972638	894.972638	894.972638	894.972638	894.972638	894.972638
Pcm1c1	496.30743	490.594584	476.945283	463.221584	421.819207	418.743445	451.934421	480.272976	452.709198	478.896279	489.961022	466.730112	438.823423	445.452432	435.308778
Rhctd1	323.240858	304.228613	393.146698	252.74456	295.7806351	263.0298021	256.7792912	324.346431	280.650477	271.7835123	347.1345464	326.190568	313.567028	338.2887345	338.2887345
Rrs1	2153.18125	2062.05027	2235.925496	2131.507876	2318.742837	2405.849524	2366.940006	2424.54812	2304.522406	2304.474902	2253.064004	2409.125551	2359.421499	2181.891449	2181.205884
Adh1f1	0	1.58452401	0	0.86260942	0	1.40285621	2.706174144	0	0	0	0.94587069	0.867528106	0	0.930554652	0
Hyb1	94.27197901	109.6425817	76.26391497	86.2694197	86.2694197	86.2694197	86.2694197	86.2694197	86.2694197	86.2694197	86.2694197	86.2694197	86.2694197	86.2694197	86.2694197
Vcp1p1	1021.917173	1056.08527	1065.88522	966.12255	1021.614913	935.684828	1032.66408	982.227443	1040.588732	959.5443619	945.8706988	983.7768725	1061.697057	915.300862	902.518484
17000403P13Rk	0.915696482	0.79226209	1.56632589	0	1.66816221	1.70412806	4.50328076	0.83807413	0.75241213	0.87901969	0	0.408337261	0	1.437131344	0
Spk3	403.8221484	469.811374	413.5091365	400.2507707	361.6504125	354.214369	366.2382742	459.2456592	507.8795327	443.9422002	561.8471951	412.0758505	338.2774731	419.2493883	334.8516031
Mcm2d	0.915696482	2.37678026	0	1.7252329	0.63363244	1.42020211	0	0	0	0	1.891741398	0	0	0	0
Shn6p	687.6880577	607.664965	561.5266841	554.6575858	606.620777	627.003643	592.6556176	745.8858716	708.7741022	824.9634586	652.6507822	571.7010022	551.2985519	635.1398801	601.4394674
Cosp5	1808.500551	1635.228786	1844.778526	1758.860607	1749.982644	1816.659167	1672.427981	1869.749095	2049.300117	1978.176102	1724.645875	1801.306242	1752.896024	1774.138644	
Csp1p1	243.5752641	195.6887161	256.0937433	223.4158738	232.443106	188.8900447	247.1857318	200.2998691	201.6498949	220.2232962	240.2515175	226.98222	268.99222	219.880956	219.880956
Csp2p1	3033.702443	3525.404593	3178.851894	2916.48248	2750.6957	2794.428618	3159.03061	3099.197	3032.228914	3062.152499	3026.786236	3085.197474	301.3158907	2609.151412	2987.077408
Scolc1	1.631192963	6.33890668	3.132645178	8.62604197	6.33893443	7.71554863	9.922711863	5.866518091	2.25742398	8.73019869	6.61094891	5.205168638	3.40537261	0.903554652	2.156697016
Anga1	1542.948571	1643.151406	1583.552137	1569.08534	1542.872963	1604.131087	1771.6551	1555.78922	167.9397051	339.979051	1500.418791	1493.41863	1729.73116	1574.018005	1754.018005
Tract1	2387.220727	2497.209851	2628.289304	2502.49629	2700.67864	2689.91811	2971.41071	2248.552577	2567.9894	2331.570453	2390.215256	2899.417326	2889.417326	2884.029543	
Lam2b	415.7626206	465.3429169	515.3201138	464.944772	480.772024	472.752311	490.7232048	452.200877	489.3851026	485.0637123	505.788886	511.2505891	509.604235	483.5946972	
Hsc	103.983878	2.37878068	2.34841835	5.1516235	2.34841835	2.34841835	2.34841835	2.34841835	2.34841835	2.34841835	2.34841835	2.34841835	2.34841835	2.34841835	2.34841835
Terf1	324.1555545	313.5607864	345.3741309	339.8881133	365.4505919	348.602144	413.145099	323.250496	298.7804067	352.1824935	312.1373306	376.5071981	378.325439	409.3102572	345.6300882
Sbspn	1.831392963	0.46989677	0	0.46989677	0	2.80955123	0.90206471	0	0.75241213	1.74780938	0	2.556252945	2.71066395	4.667091048	4.667091048
Rp17	25751.21496	124.61437816	24971.88104	24256.57688	25157.02214	25281.02176	25058.58	25604.87325	24675.4115	25484.72922	25454.32637	25034.25856	24260.54490	24852.70649	24762.49162
Rdh10	171.209148	126.912761	114.341549	130.2540224	103.8173271	103.9231458	101.933128	190.242801	125.651595	157.302344	163.636309	148.8135906	148.8135906	111.1372221	99.1626273
Htau2	5.49417889	7.92230908	8.61474239	4.33047078	1.6861821	1.90494621	9.00847148	1.90494621	1.86511772	1.86511772	1.86511772	1.86511772	1.86511772	1.86511772	1.86511772
Ube2w	25.1886732	183.804786	184.042904	221.6906209	216.610295	167.637606	193.943197	256.98467	230.238715	235.0796296	242.1428989	146.61225	214.725474	177.0967117	173.1473269
Tceb1	1143.704905	1804.007877	1124.619619	1076.536556	1035.548904	1027.569176	1052.709522	1173.303618	987.9197404	1105.110815	1186.121856	1099.15811	1059.98288	1046.231618	
Trna7	23075.48978	795.4310565	704.845165	820.341567	817.061028	803.7116625	747.8116486	874.942696	852.485209	838.9458901	830.4744735	746.9416995	771.988395	803.260852	852.9374526
Ly6	12.819570	6.252930357	9.44887038	12.819570	12.819570	12.819570	12.819570	12.819570	12.819570	12.819570	12.819570	12.819570	12.819570	12.819570	12.819570
Ilm17a	0	2.37686026	0	0	1.90087933	0.70141286	1.72684129	0	0	0	0	0	0	0	0
M3	421.826834	4.73572051	11.7474184	8.62604197	9.50044868	1.74379698	58.63120646	5.866518091	13.54354421	4.369509845	20.82067455	7.668758836	22.58886629	7.90422392	
Ilc17	9633.562954	9553.059199	9779.335984	9824.25968	9711.991988	9362.458131	9670.34712	10284.84429	10203.48792	10118.037	10505.7895	10002.59907	9822.82795	9930.961975	9511.6538
Paqr6	34.796463	46.743585	46.2065137	46.532217	40.5523473	37.8761951	42.39470159	54.4478105	33.10622139	42.82119548	34.99721585	45.7988592	42.80421576	42.7471793	37.7258658
Htfc1	5.49417889	0	2.34841835	0	2.34841835	0	2.34841835	0	0	0	0	0	0	0	0
Csp2p1	32.04857865	29.31369431	32.19963107	36.22959567	40.45533737	32.96480147	36.98436331	26.81839642	27.0890841	28.8367497	25.38859236	57.1423134	28.91374885	27.30549553	
Trna14a	18.31392963	15.05297816	20.36219366	6.90087567	9.69959687	14.02825611	45.10323574	10.8946627	15.8069657	21.84754922	18.91741398	13.0129159	11.9291804	9.035546516	14.7313344
Gsta3	0	0	0	1.75253889	0.63363244	1.402825611	0	0	0	0	0	0	0	0	0
Khd1c1a	6.409875371	1.58452401	7.76344777	2.33545927	0.70141286	0	0	0.83807413	0.75241213	0	3.783482795	0	0	2.71066395	5.029959704
Khd1c1c	0.915696482	0.79226209	8.614774239	2.58782259	0	0	0	0	0	0	3.783482795	0	0	0.903554652	0
Kcnc5	409.316273	409.316273	383.452923	335.555042	272.346195	290.3849016	326.5474268	372.1048618	359.6539056	309.361297	335.7840981	328.7931523	280.3357397	312.629904	334.144718
Ogfr1	427.6302569	491.1066205	375.1342601	381.2773363	328.0821065	377.3060895	357.2176271	299.1924227	334.870517	363.7945151	365.1060897	326.190568	335.3191594	382.2036176	402.3967763
Btgn12	1.831392963	0	2.34841835	0	2.34841835	0	2.34841835	0	0	0	0	0	0	0	0
Usp1	431.7827845	431.7827845	477.023001	477.023001	477.023001	477.023001	477.023001	477.023001	477.023001	477.023001	477.023001	477.023001	477.023001	477.023001	477.023001
Sdh4f4	72.3400224	36.55179038	75.9666457	92.292079	77.2703158	56.11302446	63.4040061	60.3412994	66.9456991	76.52507197	63.7333682	63.2995176	69.64590206	83.12077994	89.10214332
Prna135a	7.32551875	7.130358077	1.56632589	9.98870316	0.63363244	7.01482716	7.216517718	0.83807413	6.019312981	4.72935344	1.735056213	8.52043152	1.10709303	5.029959704	
Lmbr1d	31.3368037	35.3207294	324.2287759	339.8881133	343.616246	318.1428266	348.1967799	320.470358	378.358669	271.7835123	269.5731491	320.1118712	317.010775	326.591016	324.7916837
Hsp4	2132.769224	2132.769224	2016.540033	2016.540033	2016.540033	2016.540033	2016.540033	2016.540033	2016.540033	2016.540033	2016.540033	2016.540033	2016.540033	2016.540033	2016.540033
Pd43p1	16.48253667	22.1833364	35.24252825	32.7701955	34.84397844	32.96480147	34.7432973	34.3610354	18.0579384	24.5935136	28.1226658	37.1206587	35.2386314	31.6188957	
Prim2	841.5250666	898.251716	866.1763917	858.2963726	846.8066576	759.630686	752.319721	945.347867	940.517632	859.9195374	930.7367676	888.3487808	809.4800994	851.1484818	751.6196929
1700001G17Rk	0	0.79226209	0	0.79226209	1.90087933	5.611302446	0.90206471	1.67618026	0.75241213	1.67618026	0	0	0	0.903554652	4.31394032
Rab23	10.1015617	160.6357379	191.874511	169.9540557	145.875462	162.028398	115.4642835	215.3950214	242.2773475	199.384512	235.521804	164.830402	145.7		

Gtf3c	501.8016719	511.0089955	483.99368	495.1378069	391.418485	425.0561603	460.9550693	492.7875197	467.828595	501.6197302	514.5536601	444.1743904	414.9650515	473.4626374	461.3191614
Pgpg1	503.9034667	52.2899252	66.56871003	72.45919125	114.005384	68.3314546	113.6605141	152.5294704	93.2909312	65.54264767	104.9916476	103.2358446	49.46885309	66.86034772	59.16202673
Ambr64	2973.7674	25.98521068	3386.389437	3545.992946	3348.224838	3784.577833	3792.280061	3955.949329	3005.42006	2950.293047	3005.033121	3680.921755	3750.023071	3513.924004	3620.133865
Sf3b1	7733.72493	7804.573046	8115.900495	7862.274106	7854.337592	7854.337592	7854.337592	7854.337592	7854.337592	7854.337592	7854.337592	7854.337592	7854.337592	7854.337592	7854.337592
Csq10b	229.8398169	220.831362	223.9841302	226.6837013	179.2417981	221.6464466	221.056851	291.6497565	284.4125383	232.4579237	250.6557352	191.7237115	228.385985	195.1678047	193.2941658
Hspn1	15901.9851	15061.6390	1575.21795	15249.2032	14188.0034	13488.86967	13450.6896	20207.4606	18638.05023	19010.86343	19143.47707	13971.54015	13971.54015	13971.54015	13971.54015
Rf2c	3429.36727	3340.98889	3817.466409	3803.82675	3731.25639	3596.20279	3727.396949	4218.029508	3578.481587	3593.180566	3713.321911	3143.054329	295.464259	2985.70344	2972.45471
Hob4	433.041223	397.152006	498.925145	488.925145	488.925145	488.925145	488.925145	488.925145	488.925145	488.925145	488.925145	488.925145	488.925145	488.925145	488.925145
Hspn1	17.2971556	11.8839033	8.61147239	6.038026938	8.86705542	15.7532014	20.747.48849	3.35229056	3.09065649	4.36950845	9.045876909	7.80775297	13.3334904	15.36204208	16.52701046
Mars2	440.0500076	423.8061745	492.6084542	497.7256351	460.6192028	401.9095377	469.0735547	617.6605674	572.5781743	575.9013975	578.8728674	541.9821434	474.0169632	53.58448351	403.115342
Bols	4.574842408	6.338096068	6.332684178	12.93914129	15.06695954	4.90989664	4.410335544	7.452666117	14.29568633	0.873901969	1.72935449	3.140112425	6.81664522	5.348482561	4.313494032
Pc1b	20.6259993	15.05297616	32.89277413	19.84001129	12.66726489	13.32684333	12.66726489	13.32684333	12.66726489	13.32684333	12.66726489	16.46303362	14.48543336	11.74621047	17.9641418
913020421R1rk	0.91556482	0	0	0	0	0	0.90267415	0.25296652	1.50482025	0.873901969	4.729353494	0	0	0	0
943055811R1rk	43.0373463	41.1972444	48.5560026	24.15306375	27.86798275	35.0764029	42.0794159	27.6564423	30.48497088	31.46047088	28.37612096	53.78674259	43.56370047	30.17975822	32.5972646
1706020621R1rk	13.2161905	174.297169	132.3542588	124.5175674	164.0140803	121.344514	124.5175674	174.297169	145.2192527	158.1762564	141.8806048	173.5052318	191.7780929	160.832728	153.7730538
Tyvv6	166.65766	122.906676	121.390006	128.881106	133.0062913	133.968459	142.5262249	135.0152483	148.9779963	120.598471	151.3393118	161.3602278	149.005749	149.0851795	154.916195
943011604R0b	365.362961	362.652501	395.490451	395.490451	395.490451	395.490451	395.490451	395.490451	395.490451	395.490451	395.490451	395.490451	395.490451	395.490451	395.490451
Spas2f	0.91596482	4.753572051	1.33265178	2.58782259	2.53345297	8.41695366	4.51032574	1.67018026	2.25724238	0.873901969	0.67296744	3.408337261	6.342882561	5.748525376	2.70546598
Kctd1	244.490906	264.3934846	227.899367	192.3619006	232.444106	218.1393826	231.1540847	231.1540847	232.3562299	229.387728	239.757325	259.0336318	234.9242094	232.815271	232.815271
Szgl2a	673.631399	736.014059	693.097456	706.477147	712.5336498	692.294394	682.8629891	685.544527	732.0989413	646.687457	576.035256	736.476551	645.027266	571.18798	653.1761958
Aoz2	0	0.79226209	0	0	1.26877809	0	0.830074013	0	0	0	0	1.75052561	0	0.90355452	0
Bzw1	833.971663	830.951427	8779.238111	8621.17841	8306.558949	8379.077377	8825.574051	9888.43528	9367.553462	9154.123124	9752.872775	8863.534662	8836.96443	8637.07814	8666.62027
Cpk1	722.484524	661.538771	692.3145843	583.1239677	611.828894	602.5136001	620.6205238	682.1922466	689.2113663	683.931367	594.9526695	592.5216966	635.6548991	571.2597029	571.2597029
Ppil3	442.2814006	450.0407344	402.073044	401.9759896	404.1874548	405.3701231	391.960862	474.3498914	471.0112407	468.3106912	466.3142545	404.2420633	406.5999392	399.525136	399.525136
Nf3f1	568.647151	511.0089955	568.5750998	550.3448097	552.6584884	533.7751451	407.077811	604.2513634	528.1947141	571.5318877	543.876518	466.825931	440.527909	440.527909	485.0316927
Trc2	1521.935318	1521.935318	164.631459	164.631459	164.631459	164.631459	164.631459	164.631459	164.631459	164.631459	164.631459	164.631459	164.631459	164.631459	164.631459
Fam126b	204.203154	186.97384	194.826136	186.332636	164.674435	168.686107	217.0611694	198.0524619	210.725568	193.904392	159.6251716	163.001885	182.5180065	177.485721	182.5180065
Gm2b3	712.4118627	703.258636	741.653749	662.840334	752.4556342	710.5951308	747.1638025	572.5781743	631.1062139	631.1062139	668.730584	702.671183	688.730584	751.754701	678.3259443
Onk0257	25.63950148	15.05297616	25.8443227	29.3287027	17.1000876	28.0565122	20.7474884	29.3250945	33.1062139	34.08217679	11.3504438	18.21809023	27.2666890	25.2995304	27.3054953
Alas2f12	0.91596482	4.753572051	1.33265178	2.58782259	2.53345297	8.41695366	4.51032574	1.67018026	2.25724238	0.873901969	0.67296744	3.408337261	6.342882561	5.748525376	2.70546598
Ctfr	154.111778	387.917983	1271.853042	1700.72898	1700.72898	1331.281502	1245.256889	1164.928278	931.5794989	1106.688718	1213.671821	1284.94317	1142.00317	1122.202089	1122.202089
Casp8	2021.857831	886.071651	201.01101	184.684767	1706.22859	1927.48239	1466.65564	1887.782534	1762.153875	1843.095252	1819.855224	1882.833362	1847.96071	1742.06711	1742.06711
Trak2	1415.66676	1316.795468	1440.233621	1318.06719	1295.818619	1295.05986	550.133621	1481.71485	1397.233026	1519.715524	1490.692221	1425.348691	1431.501649	1490.865175	1440.05067
Strab3	271.759898	274.129749	161.331267	139.74278	144.2730078	140.953739	147.9386132	124.0343938	120.7179687	160.779923	153.231032	166.565394	147.4105865	138.0245284	147.4105865
T7a. mem217	271.759898	274.129749	161.331267	139.74278	144.2730078	140.953739	147.9386132	124.0343938	120.7179687	160.779923	153.231032	166.565394	147.4105865	138.0245284	147.4105865
Mpp4	0	0	0.78316214	0	0.190097933	1.042825611	0	0	0	0	0	0.867528106	0	1.807109303	4.31394032
Als2	459.6796337	434.9518427	489.0809354	488.0456018	421.1855574	484.094164	441.1096455	590.325493	545.5004282	467.2601252	489.2858519	504.4393146	485.208479	467.0676868	467.0676868
Fzd7	18.0620282	111.7089432	122.956332	89.3993225	70.93668336	108.7189849	122.6680012	148.736289	14.29568633	34.08217679	36.88957525	158.1248312	90.9480094	59.634607	67.6051198
Nb3f3	5.54589193	5.54589193	4.31304708	4.31304708	4.31304708	4.31304708	4.31304708	4.31304708	4.31304708	4.31304708	4.31304708	4.31304708	4.31304708	4.31304708	4.31304708
Sumo5f1	1756.350652	1911.726227	2002.54533	1909.817255	1917.823904	1976.518286	1973.717596	1919.489719	1917.903506	2000.361607	2179.28609	2163.510199	2079.871021	2029.385747	2029.385747
Nop58	6267.02672	5964.18424	6139.20187	5667.430312	5870.643911	6128.243684	6335.204029	6786.7232652	6473.711311	6703.702003	7126.189945	5919.144269	5625.460649	5783.653325	5678.10594
Snor70	2.17408945	0.79226209	4.698097767	2.58782259	1.266726489	1.40282561	1.02412943	3.35229056	5.26688888	0.873901969	0.94587069	0.76296744	0	0.71066395	0
Snor11f	0.91596482	4.753572051	1.33265178	2.58782259	2.53345297	8.41695366	4.51032574	1.67018026	2.25724238	0.873901969	0.67296744	3.408337261	6.342882561	5.748525376	2.70546598
Bmp2f	110.621949	110.621949	145.4511621	93.1618117	63.9969634	77.15540867	79.3816959	79.3816959	117.376601	131.086293	78.9450577	101.3980335	81.3191865	99.8806294	99.8806294
Fam17b	1100.67167	938.834801	1000.096973	928.167735	881.64136	937.381815	959.796565	749.238177	776.4913745	751.555633	695.2149636	945.961505	786.0925469	1003.83244	1003.83244
Ica1	2.72701495	4.753572051	4.69898767	6.038269368	8.23372172	2.80565122	10.2847758	2.51422309	6.01931292	5.919.715524	1538.931627	1191.96318	1194.799259	1253.230032	1191.96318
Wdr2	1287.46923	1295.34898	1309.18034	1276.8603	1268.85756	1289.74602	1526.97082	1407.766823	470.766823	48.31004311	48.31004311	45.40170354	56.257548	47.8883955	56.7668890
Carf	35.2161278	45.1593484	62.6525036	62.6525036	62.6525036	62.6525036	62.6525036	62.6525036	62.6525036	62.6525036	62.6525036	62.6525036	62.6525036	62.6525036	62.6525036
Ihsel1	130.020074	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432	111.7089432
Cyp20a1	738.182649	434.159807	393.149698	426.916627	439.5540915	484.094164	421.071102	409.818124	394.2650002	381.0221262	457.187312	455.0130243	452.524209	483.594672	483.594672
Rh1	567.731816	476.941791	521.65712	543.349334	516.191041	541.49086	588.141694	561.5095887	592.9023286	488.7633967	555.226002	551.7478351	605.688058	552.975468	552.975468
Abp2	116.2637321	564.862821	10.0706544	50.1748456	40.023511	504.315076	581.83174	542.233884	489.3071091</						

Gm7609	2.47008945	0.79226209	0	1.72521839	0	7.715540863	81.18582433	0	2.25724368	0	8.675281063	9.372927467	3.614218606	6.467091048
C30026212R1K	7.325517853	3.961301043	5.482129061	12.93914129	3.800179466	18.93814515	15.33510015	5.028444078	1.747803938	8.512836289	4.337640531	17.0418683	9.03554615	14.3713314
Sp110	3025.1978	500.209733	2978.36203	581.282265	208.558026	2985.12501	3167.148214	2825.985572	2836.801242	2840.05758	2872.376226	3800.704986	2862.162104	2862.162104
Sp140	1118.673968	1025.158134	1005.158134	1005.158134	1005.158134	1005.158134	1005.158134	1005.158134	1005.158134	1005.158134	1005.158134	1005.158134	1005.158134	1005.158134
Sp100	3629.820653	3596.072757	3157.657888	331.145339	3368.038475	3707.686091	415.738483	21.799297	2450.617127	2155.916157	2323.058436	3658.366024	354.630399	3657.58923
Asp10001G21R1K	258.2264078	311.3589693	367.3026471	339.881113	376.217761	339.483798	416.274443	398.9232302	369.4353342	313.083203	373.9046138	356.1712437	368.6502798	3471.860649
Cab39	4225.92566	4232.13752	4020.162346	4181.06757	4151.696066	4262.65841	4373.209137	4430.923699	4042.375011	4481.583237	4406.811586	4662.096043	467.098006	4566.562039
Cab39	932.400294	892.500294	892.500294	0	0.86206942	4.43354271	0	0.90206415	3.352296502	0	1.891741398	0	1.891741398	1.891741398
49334071R1K	377.2665904	381.078261	489.8997677	353.668927	307.814535	368.241271	421.2642218	402.2755623	417.598838	5513.543577	0	623.3287905	357.412579	367.905624
Gp155	281539693	3.169040434	0	0.86269042	0.63363244	0.70142806	0	0.514222039	0	0	0.867528106	0.852084315	8.131991864	2.155697016
Hmnd1	1768.431579	5164.94873	0	1.72521839	0	7.715540863	81.18582433	0	2.25724368	0	8.675281063	9.372927467	3.614218606	6.467091048
Hmnd1	1.831392963	1.58452047	0	1.72521839	0	7.715540863	81.18582433	0	2.25724368	0	8.675281063	9.372927467	3.614218606	6.467091048
Ar2r	45.78482408	36.02857641	53.25496803	75.90962893	55.41161165	75.77343604	46.92314473	77.46850535	76.90337326	91.74945778	62.46023065	63.90632364	64.6171631	64.67091048
B3gm7	12.67619214	10.18109683	12.07653188	17.1000766	16.13249453	14.43305344	8.56651809	15.04828245	6.991215751	12.29631908	16.48303402	16.18960199	18.13991864	11.49705705
Ncl	50910.16637	47192.67106	48925.65239	47203.48999	47203.29587	4900.05462	4947.81127	56237.2805	52742.72516	55435.60919	55528.26524	46982.71965	44849.45739	44226.22863
P1ed	151.74223	208.3649062	162.4765616	211.3930708	233.7110371	257.4184997	258.8257531	145.8240783	142.2063692	142.2063692	209.9410917	234.3231667	233.7110371	233.7110371
Cm4148	1.831392963	0.79226209	1.32645178	0.630859368	3.166816221	2.895651223	4.510323574	1.670148026	1.50428245	0.873901969	2.837612096	2.602984319	0.852084315	1.807100303
C13006124R1K	32.04973685	20.59881222	37.99174214	32.77915795	27.8679257	23.8480339	44.2017102	36.07818256	24.97215912	27.964863	24.59263817	17.89377062	17.9644189	17.9644189
Ppma	46976.1452	45494.06131	47191.73238	45907.22046	44857.98179	44407.84756	49230.18154	44359.25751	45072.6156	45546.02282	44980.8810	47516.24944	45251.64173	46540.29299
Prd	208.3649062	162.4765616	211.3930708	233.7110371	257.4184997	258.8257531	145.8240783	142.2063692	142.2063692	209.9410917	234.3231667	233.7110371	233.7110371	233.7110371
Sp5	45.78482408	36.02857641	53.25496803	75.90962893	55.41161165	75.77343604	46.92314473	77.46850535	76.90337326	91.74945778	62.46023065	63.90632364	64.6171631	64.67091048
B3gm7	12.67619214	10.18109683	12.07653188	17.1000766	16.13249453	14.43305344	8.56651809	15.04828245	6.991215751	12.29631908	16.48303402	16.18960199	18.13991864	11.49705705
Ncl	50910.16637	47192.67106	48925.65239	47203.48999	47203.29587	4900.05462	4947.81127	56237.2805	52742.72516	55435.60919	55528.26524	46982.71965	44849.45739	44226.22863
Cm4148	1.831392963	0.79226209	1.32645178	0.630859368	3.166816221	2.895651223	4.510323574	1.670148026	1.50428245	0.873901969	2.837612096	2.602984319	0.852084315	1.807100303
C13006124R1K	32.04973685	20.59881222	37.99174214	32.77915795	27.8679257	23.8480339	44.2017102	36.07818256	24.97215912	27.964863	24.59263817	17.89377062	17.9644189	17.9644189
Ppma	46976.1452	45494.06131	47191.73238	45907.22046	44857.98179	44407.84756	49230.18154	44359.25751	45072.6156	45546.02282	44980.8810	47516.24944	45251.64173	46540.29299
Prd	208.3649062	162.4765616	211.3930708	233.7110371	257.4184997	258.8257531	145.8240783	142.2063692	142.2063692	209.9410917	234.3231667	233.7110371	233.7110371	233.7110371
Sp5	45.78482408	36.02857641	53.25496803	75.90962893	55.41161165	75.77343604	46.92314473	77.46850535	76.90337326	91.74945778	62.46023065	63.90632364	64.6171631	64.67091048
B3gm7	12.67619214	10.18109683	12.07653188	17.1000766	16.13249453	14.43305344	8.56651809	15.04828245	6.991215751	12.29631908	16.48303402	16.18960199	18.13991864	11.49705705
Ncl	50910.16637	47192.67106	48925.65239	47203.48999	47203.29587	4900.05462	4947.81127	56237.2805	52742.72516	55435.60919	55528.26524	46982.71965	44849.45739	44226.22863
Cm4148	1.831392963	0.79226209	1.32645178	0.630859368	3.166816221	2.895651223	4.510323574	1.670148026	1.50428245	0.873901969	2.837612096	2.602984319	0.852084315	1.807100303
C13006124R1K	32.04973685	20.59881222	37.99174214	32.77915795	27.8679257	23.8480339	44.2017102	36.07818256	24.97215912	27.964863	24.59263817	17.89377062	17.9644189	17.9644189
Ppma	46976.1452	45494.06131	47191.73238	45907.22046	44857.98179	44407.84756	49230.18154	44359.25751	45072.6156	45546.02282	44980.8810	47516.24944	45251.64173	46540.29299
Prd	208.3649062	162.4765616	211.3930708	233.7110371	257.4184997	258.8257531	145.8240783	142.2063692	142.2063692	209.9410917	234.3231667	233.7110371	233.7110371	233.7110371
Sp5	45.78482408	36.02857641	53.25496803	75.90962893	55.41161165	75.77343604	46.92314473	77.46850535	76.90337326	91.74945778	62.46023065	63.90632364	64.6171631	64.67091048
B3gm7	12.67619214	10.18109683	12.07653188	17.1000766	16.13249453	14.43305344	8.56651809	15.04828245	6.991215751	12.29631908	16.48303402	16.18960199	18.13991864	11.49705705
Ncl	50910.16637	47192.67106	48925.65239	47203.48999	47203.29587	4900.05462	4947.81127	56237.2805	52742.72516	55435.60919	55528.26524	46982.71965	44849.45739	44226.22863
Cm4148	1.831392963	0.79226209	1.32645178	0.630859368	3.166816221	2.895651223	4.510323574	1.670148026	1.50428245	0.873901969	2.837612096	2.602984319	0.852084315	1.807100303
C13006124R1K	32.04973685	20.59881222	37.99174214	32.77915795	27.8679257	23.8480339	44.2017102	36.07818256	24.97215912	27.964863	24.59263817	17.89377062	17.9644189	17.9644189
Ppma	46976.1452	45494.06131	47191.73238	45907.22046	44857.98179	44407.84756	49230.18154	44359.25751	45072.6156	45546.02282	44980.8810	47516.24944	45251.64173	46540.29299
Prd	208.3649062	162.4765616	211.3930708	233.7110371	257.4184997	258.8257531	145.8240783	142.2063692	142.2063692	209.9410917	234.3231667	233.7110371	233.7110371	233.7110371
Sp5	45.78482408	36.02857641	53.25496803	75.90962893	55.41161165	75.77343604	46.92314473	77.46850535	76.90337326	91.74945778	62.46023065	63.90632364	64.6171631	64.67091048
B3gm7	12.67619214	10.18109683	12.07653188	17.1000766	16.13249453	14.43305344	8.56651809	15.04828245	6.991215751	12.29631908	16.48303402	16.18960199	18.13991864	11.49705705
Ncl	50910.16637	47192.67106	48925.65239	47203.48999	47203.29587	4900.05462	4947.81127	56237.2805	52742.72516	55435.60919	55528.26524	46982.71965	44849.45739	44226.22863
Cm4148	1.831392963	0.79226209	1.32645178	0.630859368	3.166816221	2.895651223	4.510323574	1.670148026	1.50428245	0.873901969	2.837612096	2.602984319	0.852084315	1.807100303
C13006124R1K	32.04973685	20.59881222	37.99174214	32.77915795	27.8679257	23.8480339	44.2017102	36.07818256	24.97215912	27.964863	24.59263817	17.89377062	17.9644189	17.9644189
Ppma	46976.1452	45494.06131	47191.73238	45907.22046	44857.98179	44407.84756	49230.18154	44359.25751	45072.6156	45546.02282	44980.8810	47516.24944	45251.64173	46540.29299
Prd	208.3649062	162.4765616	211.3930708	233.7110371	257.4184997	258.8257531	145.8240783	142.2063692	142.2063692	209.9410917	234.3231667	233.7110371	233.7110371	233.7110371
Sp5	45.78482408	36.02857641	53.25496803	75.90962893	55.41161165	75.77343604	46.92314473	77.46850535	76.90337326	91.74945778	62.46023065	63.90632364	64.6171631	64.67091048
B3gm7	12.67619214	10.18109683	12.07653188	17.1000766	16.13249453	14.43305344	8.56651809	15.04828245	6.991215751	12.29631908	16.48303402	16.18960199	18.13991864	11.49705705
Ncl	50910.16637	47192.67106	48925.65239	47203.48999	47203.29587	4900.05462	4947.81127	56237.2805	52742.72516	55435.60919	55528.26524	46982.71965	44849.45739	44226.22863
Cm4148	1.831392963	0.79226209	1.32645178	0.630859368	3.166816221	2.895651223	4.510323574	1.670148026	1.50428245	0.873901969	2.837612096	2.602984319	0.852084315	1.807100303
C13006124R1K	32.04973685	20.59881222	37.99174214	32.77915795	27.8679257	23.8480339	44.2017102	36.07818256	24.97215912	27.964863	24.59263817	17.89377062	17.9644189	17.9644189
Ppma	46976.1452	45494.06131	47191.73238	45907.22046	44857.98179	44407.84756	49230.18154	44359.25751	45072.6156	45546.02282				

Mfsd4	232.586903	276.49941	255.310582	219.102706	258.412037	277.058053	317.5267796	228.7942056	248.296605	231.5840218	258.2227008	268.061848	309.306064	241.249092	270.1806927
Dnak	11.2061167	11.09166812	46.2065317	36.2299567	32.934887	43.4875938	28.8660787	36.1991085	33.8598352	21.84759422	20.8091537	33.8359614	25.56252945	28.9137485	43.8750991
Trnc2	13.759122	22.1833264	21.9369025	19.0007537	10.1338119	17.5352014	20.84951045	28.4945118	20.84951045	8.75280163	7.68575838	15.8044845	15.8044845	15.8044845	15.8044845
lntp5k	95.56429052	73.6171618	88.6249737	94.6907287	94.6907287	94.6907287	94.6907287	94.6907287	94.6907287	94.6907287	94.6907287	94.6907287	94.6907287	94.6907287	94.6907287
Rbtp5	1062.55531	1137.688244	1144.196651	1142.094872	1034.282178	1006.527376	1115.854062	1104.618372	1124.217955	1060.043088	1078.292597	1067.927099	1082.999165	994.8136714	1097.249781
Tmem81	768.35349	83.18751089	90.846106	106.1009586	87.40412771	82.76671107	89.30467106	98.84629846	72.13517275	97.42468197	97.42468197	98.262692	95.433443	95.6866809	95.6866809
Mdm1	1479.895976	1935.496087	1646.155817	1626.210086	1169.7112325	1507.674074	1787.892203	1915.837194	1832.880083	1978.387906	2022.271154	1816.03085	2026.256501	1798.073757	1915.696081
Pak3b2b	29.98326	26.989629	34.1263126	34.1263126	34.1263126	34.1263126	34.1263126	34.1263126	34.1263126	34.1263126	34.1263126	34.1263126	34.1263126	34.1263126	34.1263126
Prp15b1b	2968.83135	3135.777903	3135.779034	3067.279113	3078.134537	3080.804733	3377.822023	3379.114421	3327.200737	3065.648107	3215.960407	3211.589049	3137.374448	3000.137507	2905.161012
Plekha6	10.9883578	13.4685414	12.53058071	0.03258398	1.73714084	1.813866474	12.6289601	15.08533223	0.71727103	13.10852953	12.78124763	11.35044389	12.78124763	5.74852576	5.74852576
Einke2	0.19569642	2.37678026	0.78361294	1.02721839	1.26677808	1.70054029	2.716019444	0.41544875	0.873901369	0.945870699	1.73506213	3.40833761	2.71606395	0.71606395	0.71606395
Soc13	0.79252029	2.49443863	0.79252029	2.49443863	0.79252029	2.49443863	0.79252029	2.49443863	0.79252029	2.49443863	0.79252029	2.49443863	0.79252029	2.49443863	2.49443863
Snpr	1896.04713	1819.825534	1895.336914	1757.907997	1947.591764	1957.643141	2006.191926	2102.727699	1930.694639	2066.778156	1794.316716	2051.703971	1867.768819	201.40149	911.384687
Cz311a	2058.485691	2156.04428	2306.62084	2051.463548	2101.432766	2131.578921	2278.722341	2272.722341	2124.966882	2263.380929	2254.615098	2023.901521	2122.642995	2023.901521	2122.642995
Zbed6	643.734265	205.2881745	646.812292	639.19358	524.427663	584.8175293	610.691871	601.243963	729.814999	605.6140645	777.505714	689.684845	605.6140645	604.4780319	611.4939838
Lxd1	232.586903	369.98538	312.481356	286.9741555	354.683168	310.0244601	301.289147	282.4309424	287.146089	300.3349442	297.111658	438.9882218	342.5578847	483.4017386	374.3727151
Atp2b4	65.9628608	62.147029	58.931479	595.200496	461.984418	442.231039	513.316117	673.815965	60.7384795	607.386138	594.2957528	620.317814	590.020263	590.020263	590.020263
Btg2	708.7490767	666.8911614	648.457558	502.612673	488.3230613	415.5384122	438.4034514	363.7241217	486.8119373	319.8481206	401.995047	424.221244	405.4630479	403.8889293	441.1993226
Chit1	9.15696486	4.735372051	4.69899777	7.763484777	13.2684331	5.41238777	13.2684331	5.41238777	13.2684331	5.41238777	13.2684331	5.41238777	13.2684331	5.41238777	5.41238777
Ppf1a	3.66278526	13.4685414	5.482129061	2.58726829	0.63363244	2.104238417	0.902004715	1.49307005	1.59408245	6.117313782	0.945870699	1.73506213	0.652084315	5.421327909	2.156697016
Tmem135a	1185.02694	1234.34476	1151.23293	1102.52936	1018.40097	1139.08496	1073.457101	1226.615503	1039.08303	1157.920109	1192.742951	1165.090247	1162.243006	1149.321517	1051.980144
Cyb1	484.403437	444.458968	481.825299	463.2212584	461.7530147	463.633964	461.7530147	463.633964	461.7530147	463.633964	461.7530147	463.633964	461.7530147	463.633964	463.633964
Adipor1	2159.212304	1989.369037	1946.155817	1887.38841	1895.65619	1994.81801	1977.32585	1854.05371	1862.973791	2023.083058	1731.889249	1931.985093	1934.231395	1905.59676	1788.599098
Khl12	434.041203	438.120907	454.7998734	404.5638178	463.6120948	492.3917896	474.3917896	456.002338	516.908022	514.728297	526.849792	412.943786	535.9610342	559.3007442	502.9599704
Rabfr	971.04166	161.626706	76.7342939	634.0179234	116.2624367	90.1902008	860.156749	367.7142339	682.496304	623.0921038	692.3773515	665.394075	730.2262581	637.905984	625.1521346
Mgafe	0.15696486	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029	0.79252029
Kdm5b	711.496162	691.6447334	626.520356	578.8109206	578.8109206	558.324533	800.131402	336.905732	374.702232	334.682274	334.682274	334.682274	334.682274	334.682274	334.682274
Prp12b	43.0373463	72.0958427	59.5202588	64.6957047	39.9188439	58.2176287	51.47168874	63.962494	54.9263095	92.6336087	48.2394054	57.2565501	73.292511	68.8630422	68.8630422
Ube2t	200.575295	198.8577641	236.7315496	208.7541796	238.1445798	228.660547	186.5321347	186.5321347	227.229065	203.619158	266.311286	195.9793925	235.8277641	240.000034	240.000034
Lp6	3.66278526	13.4685414	5.482129061	2.58726829	0.63363244	2.104238417	0.902004715	1.49307005	1.59408245	6.117313782	0.945870699	1.73506213	0.652084315	5.421327909	2.156697016
Tpnyv	27.4089445	66.5500071	68.9131931	42.2678156	68.4032308	49.80030521	49.80030521	49.80030521	49.80030521	49.80030521	49.80030521	49.80030521	49.80030521	49.80030521	49.80030521
Ptnp7	3530.92563	3722.83193	3862.24805	3868.918045	3953.15364	3900.55661	4121.33682	3623.82302	4111.98312	3877.266278	3881.320747	3961.339981	4122.919875	385.07487	385.07487
Rnpa	337.3247512	630.450485	668.8107458	675.6352641	628.296383	625.660227	692.785701	599.2229193	599.043931	593.3794369	601.0866007	632.2465618	574.6507884	656.0504585	656.0504585
Arif6	1641.94317	1572.640087	1606.263815	1626.018756	1400.268017	1393.318547	1464.395367	1741.34715	1719.26267	1712.082487	1812.288259	1506.02793	1648.718375	1506.02793	1506.02793
Tmem17a	1387.137696	1395.920427	1414.679448	1408.598905	1408.598905	1408.598905	1408.598905	1408.598905	1408.598905	1408.598905	1408.598905	1408.598905	1408.598905	1408.598905	1408.598905
Ipo9	1706.885242	2025.813956	1971.216978	1871.862441	1781.01473	1886.09305	1891.629707	2281.237464	2126.3221	2182.133216	2190.636538	2027.411384	2011.771068	2004.744177	2017.624832
Nuv1	49.48761	35.65117938	67.38187133	40.52462272	36.10170492	51.20313482	51.20313482	31.8468123	34.6110964	38.45186663	48.2394054	32.0953986	60.49798638	37.04574071	39.35211196
Csrp1	2695.810442	2707.129583	2732.449756	2710.514033	2703.14827	2816.276653	2822.818859	2951.324848	2482.96605	2357.787512	2216.175047	2891.417178	2762.942783	2676.328786	2650.788764
Phd3a3	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319	318.9495319
Tmem12	37.226314	37.226314	29.760129	26.74089201	27.81007679	17.10221067	17.10221067	17.10221067	17.10221067	17.10221067	17.10221067	17.10221067	17.10221067	17.10221067	17.10221067
Lad1	2373.48528	2603.05027	2238.274498	2038.346059	2034.996104	2341.315945	2120.754144	3672.440325	2642.478399	2925.823792	2713.703035	2017.870375	2089.310741	1818.855514	2021.325235
Tmt2	0.91596942	3.16904034	2.3149483883	0.253452977	1.91266475	0.920204715	0.920204715	0.920204715	0.920204715	0.920204715	0.920204715	0.920204715	0.920204715	0.920204715	0.920204715
Tmem9	31.9495987	30.3372575	31.1802343	30.6226344	30.7316215	30.5049091	36.1729506	35.1158289	297.205784	314.604708	299.840115	372.169576	399.627548	361.4218606	341.192599
Cacna1	7.7354525	2.37678026	0.78361294	1.02721839	1.26677808	1.70054029	2.716019444	0.41544875	0.873901369	0.945870699	1.73506213	3.40833761	2.71606395	0.71606395	0.71606395
Mm15850	2.74078945	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298	0.156523298
Kf12b	2088.703674	2563.75986	2515.14078	2747.73422	2527.75708	2544.12846	2515.214791	2440.64928	1753.87732	1683.135192	178.4609783	315.802493	308.657727	3157.923507	2880.729779
Gpr25	1.831329263	2.37678026	0.78361294	0.86269042	4.43542471	0.704128405	0.902004715	1.542666117	1.752414226	3.495607876	2.837612096	4.337640531	0.90156337	635.8906197	635.8906197
Camp52	750.871149	725.211439	761.227782	608.980797	595.617202	603.9162457	784.3800045	774.3800045	726.832024	767.030641	771.6304987	767.030641	767.030641	767.030641	767.030641
D2301161SRK	5.4376788026	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563	7.97352563
Prp7	97.9752523	10.15212052	10.1640522	96.612255	118.4388267	115.731219	106.743603	126.549716	114.369946	108.386341	97.42468197	104.709009	118.854669	107.523005	146.587791
Kf14	831.452405	104.993589	147.911697	99.61338797	87.5413668	947.306693	902.0647148	965.41263	1042.09356	946					

But3	921.190605	668.691352	657.073261	631.430052	305.2810837	382.2699791	327.4494915	747.5620196	710.2789317	974.4006953	809.6653181	373.9046138	345.0941476	341.5436583	352.0971793
Ans	1238.02141	836.628681	849.730045	646.094453	596.628161	666.3421654	660.3131712	447.515325	415.325957	542.693127	512.6619187	680.6722987	622.8738344	593.6932607	595.6090941
Nef3	138.633752	159.650661	156.322381	156.1322305	140.742468	200.3046024	164.8459734	173.0557831	173.0557831	168.66308	200.267455	220.8898376	220.8898376	159.9291792	197.6555586
Trmm206	400.505357	400.505357	397.0727562	400.505357	397.0727562	397.0727562	397.0727562	397.0727562	397.0727562	397.0727562	397.0727562	397.0727562	397.0727562	397.0727562	397.0727562
Ppp25a	1788.355228	1844.210969	1848.104978	1951.222507	1910.859608	2201.033263	2047.686903	1842.086681	2014.212606	1698.865428	1884.174432	2024.8106	1971.723105	2061.911715	2006.959322
Dnt25a	1590.564788	1685.935454	1688.495751	1663.10061	1441.534744	1520.43824	1557.865762	1717.55482	1817.83252	1809.850978	1698.783775	1657.846211	1480.075045	1494.479394	1397.610232
Inb5	1755.39015	1957.679423	1918.174517	1865.64161	1901.356459	1807.772191	1825.245915	2353.311829	2374.618191	2268.127551	2021.986897	1928.51498	2008.45896	1958.00293	1858.93293
Lgpt1	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962	1218.496962
Nek2	1321.350023	1495.790672	1537.345621	1588.926551	1490.23219	1408.436914	1391.324807	1656.872347	1701.9560745	1666.513505	1681.175802	1565.243627	1479.218371	1708.814737	1516.892134
1700034H15Rk	0	2.376786006	0.78316294	0.17521839	0	1.402825161	0.902064715	0.902064715	0	1.747803938	0	1.747803938	0	1.747803938	0
160246883	0	202.0268122	192.0576784	187.1862441	171.008076	172.765651	196.7480431	181.8620068	206.9138837	233.230084	251.6016059	169.1879807	172.973116	199.685578	185.389944
Ns3	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315	118.300315
Trif5	305.8426248	311.3589693	322.662433	383.1585657	313.2150751	327.7052309	349.0590446	385.35212	393.3587693	319.8481206	386.450631	396.154008	364.7883163	463.5325833	356.4007283
Mmr473c	0	1.584524017	1.566322589	0	0	1.80412943	2.51422039	0	2.621705907	0	0.867528106	2.565252945	0	0	0
Rcor3	187.717787	20.428384	210.670382	231.1793245	150.1070889	97.7944112	85.8253312	215.3807441	204.81772	232.4579237	201.4704588	180.445681	178.973297	196.974914	191.1384687
Km10516	0	4.73572051	5.482129063	6.038265938	0	17.0118957	1.80412943	1.80412943	0	5.24341813	5.675224193	4.337460531	5.562562245	1.807109303	4.31394032
Hbat	48.5319152	40.4078243	19.7903232	1.59703232	26.60125945	19.2971225	40.704159	22.62709635	10.24725102	13.4604708	29.3219616	24.2007669	29.9708652	15.26389373	38.08398061
Syt4	0.91596482	0.792262009	0	0.86295042	0	0.701412606	0.902064715	0.502844078	0.75241123	0.873901969	2.83761209	1.73506213	7.66875883	5.42137900	0
Dief3	192.943921	849.3048731	890.431458	890.7016247	777.770064	859.230687	910.132972	955.750394	923.964525	904.105495	905.6000523	814.198545	504.511482	805.907492	872.3387258
Ifr6	402.746463	49.91250654	46.9896777	59.52004967	67.13650389	70.84269338	42.39701459	41.9037065	32.35380727	25.343317	25.5385087	93.69305438	60.0188293	84.93413725	97.0222392
AL10010J15Rk	106.2207919	114.8779912	114.341549	86.26094197	85.9040798	97.4963799	107.3457011	155.943824	394.376337	139.824315	130.429927	102.3258446	98.84178056	110.2336971	96.22788054
Trif3p3	1024.663493	1147.195388	1226.455067	1227.493204	1107.118951	1056.04657	1251.163759	1076.925107	1057.826456	1096.26414	1127.73354	1243.16776	1221.88909	1245.09831	1198.567541
Hsd1b1	62.2673607	97.44822705	110.1460522	119.0400999	94.3711234	101.704856	95.6188597	86.32162334	93.81866418	58.55143192	157.9604067	100.6332603	85.20843152	137.340307	132.9364493
G0s2	0.91596482	0	0	2.587828259	1.266726489	0.701412606	0.86258859	0	0	0.873901969	0	0	0	3.614218606	0
Lamb3	133.6916863	110.1244192	131.5710975	133.70446	110.838657	111.5243651	97.429892	139.9583602	129.4152291	119.7245697	96.47881277	113.6461819	108.214708	123.7869871	107.0662851
AS30025F24Rk	0	0	0	0	0	0.701412606	0.902064715	0.902064715	0	0.867528106	0	0	0	1.437131344	0
Cd46	0	3.169048034	0	0.35131304	1.266726489	5.70644029	2.706194144	0.83907403	5.266898858	0	4.729353494	0	0	0.900354652	1.437131344
Cr1	975.216529	105.085257	107.063619	110.971513	107.449994	1007.930202	1021.137257	1057.649044	107.457024	936.8229107	1031.944932	1027.153278	1043.803286	932.4385239	1051.980144
Cr2	0	1.566322589	0.86260942	0	0	0.701412606	0.902064715	0.902064715	0	0.867528106	0	0	0	0.90354652	1.437131344
25a_hk6r3	254.2563029	274.1226545	295.879758	233.671527	297.0477786	328.962459	322.0371012	203.6518815	260.335288	248.188159	232.6841919	295.416719	266.7503536	291.4552285	292.4562285
Opm1	1.831392963	0.792262009	8.614774239	1.75218439	7.00205198	2.89651222	3.608258589	1.67018624	3.0096549	0	1.801741398	6.94022495	0.85238435	0	0
lpcet1	1340.57969	1660.5817	1748.016009	1819.243266	1807.32166	1851.028394	1912.371795	1979.530819	1804.299066	1480.746351	2162.74569	2124.264198	2108.89657	1889.82717	219.8810956
Mtrf1	182.2235998	219.4565764	229.465263	211.3393078	202.042879	164.1309565	192.1397842	175.154787	203.942722	173.9064917	210.9291658	207.3392174	208.760652	224.0815536	219.8810956
Fbox5	1005.437447	996.656605	1004.795941	1009.253021	1004.781729	930.747932	928.2245915	1068.544758	1005.22568	1007.920873	924.0049879	924.0049879	1031.87416	967.7070318	967.3092333
Tymc1	353.037314	407.222074	444.839513	495.378036	391.431498	410.460609	427.900751	443.924331	335.915963	443.924331	415.545692	415.545692	415.545692	415.545692	415.545692
Ecd1	16.48253667	24.56012226	14.66438718	18.11479781	19.6342057	16.13244953	16.23716827	17.59955427	17.30554822	27.964863	29.32199166	13.8004497	11.92918041	9.035546516	22.27553683
Csr10	0	0	0	4.313047098	3.800179466	0	0.63275889	0	0.867528106	0	0.867528106	0.852084315	0	0	2.155697016
Armt1	330.5664298	423.8061745	396.279615	370.9220505	359.750327	379.4643279	374.547919	329.3630871	361.140964	385.3907683	424.695347	402.5330413	351.058738	402.08182	478.7621912
Rnm1d	7.922262009	0	0	0	0	1.042825161	0	0	0	0	0	0	0	1.437131344	0
CM51d2	0	0	0	0	2.533452977	0	0.902064715	0	0.754214123	0.873901969	0	0	0	0	0.718556572
Zbtb2	428.5459534	438.1208907	463.6314863	488.2369135	480.093392	451.0084341	507.8623444	530.5008503	522.9782302	526.9628872	563.7389365	542.2056644	444.7880125	448.1631072	465.6305554
Akap12	105.30954	107.1741942	109.551363	108.3051148	109.8850755	110.0518952	90.551199341	150.482845	116.077625	104.1037378	97.1376193	104.1037378	97.1376193	100.303886	100.303886
Yp1	5189.251561	4797.938724	4897.166348	4956.553725	4736.290341	4942.681847	4844.95953	3968.280452	4233.081854	4331.679864	4316.953869	4598.766491	497.243644	402.021817	4697.263798
Phk3p1	0.792262009	0	0	0.701412606	0	0.902064715	0.902064715	0.902064715	0	1.747803938	0	0	0	0.90354652	1.437131344
Mtrf14c	1.831392963	0	0.78316294	0.86260942	2.533452977	2.106314944	0.83907403	3.76207013	0	2.83761209	0	0.852084315	0	0.90354652	3.59228396
AL10010A21Rk	0	3.169048034	1.566322589	2.587828259	0.633623244	0	0.902064715	3.352360252	0	0.873901969	2.83761209	4.337640531	2.556252945	2.451773258	0
Lu11	57.68887834	349.771901	101.027807	83.67311371	86.03749095	96.09355438	9.84173034	149.1771743	133.9297138	131.082593	115.962252	86.75280163	61.6876878	121.076323	66.9446431
Pcm1	1737.115329	1895.354559	1426.138717	1628.692287	1404.799676	1524.170727	1524.849838	1258.178748	1382.184743	1282.156358	1438.517027	1446.1899139	1400.295467	1440.144317	1386.891663
AL10010F11Rk	0	2.74480274	26.727484074	19.84172838	19.84172838	19.84172838	19.84172838	19.84172838	19.84172838	19.84172838	19.84172838	19.84172838	19.84172838	19.84172838	19.84172838
Nup3	663.879491	709.074769	673.5187133	603.8265938	631.453465	611.4517459	670.2340831	610.417506	776.989064	622.966058	714.1323776	638.1898109	625.4298873	647.848682	646.7091048
CD20402	10.9885778	14.2607165	10.9642582	16.82094197	17.60691997	14.07128057	45.10323754	8.38070131	75.24214126	5.24341813	7.6665559	4.337640531	11.92918041	5.421327909	4.31394032
Lats1	79.0774556	76.740762	758.100314	742.832968	715.700466	662.835104	541.0433897	951.1002285	603.6496312	859.045554	814.984716	717.445749	741.333542	761.695713	767.8218377
Ltnt1	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597	593.6426597
Ginn1	231.6140268	263.8232488	284.2875499	266.5463107	253.978661	303.7117449	260.6967026	197.7854671	262.592288	207.988668	236.467647	267.198567	272.666890	284.	

Wasf1	0	0.792262009	0	0	0.63363244	2.104238417	1.80412943	2.514222039	3.00966649	0	0	1.735056213	0	0	2.155697016
Wasf2	656.5843773	663.915931	653.15056196	683.1866604	662.7655773	605.3192513	637.7597533	720.1243914	1.01602675	726.2125362	681.9277738	676.6192229	606.8840324	583.6963049	617.9664779
Zhg4	208.20324	163.1125414	207.284641	175.2032179	256.521139	232.1676387	272.4253499	279.0780176	249.040746	255.793749	255.793749	255.793749	252.9593024	278.8037683	278.8037683
Hicall1	1869.48394	1708.87478	1771.7901487	1771.7901487	1771.7901487	1771.7901487	1771.7901487	1771.7901487	1771.7901487	1771.7901487	1771.7901487	1771.7901487	1771.7901487	1771.7901487	1771.7901487
Smpd2	115.377567	105.7744102	83.01509722	81.9748947	100.7047558	86.97518791	94.7163955	97.21658551	99.31866418	92.636087	84.18249219	111.0435976	119.2918041	159.0256187	93.41353736
Cd164	4184.373291	4128.477326	4149.67199	4177.61419	4057.324943	4104.734666	3866.035422	3914.81008	4056.65294	4158.993462	4153.724573	425.243605	424.017526	424.887818	424.887818
Cdc2a162	2.74708945	1.584524017	2.34843883	0.8626094	1.26672849	3.50762099	5.41238929	3.35296052	6.019312981	1.74780398	2.87612069	2.602894319	10.22501178	5.421327909	2.874262688
Cspb71	218.317574	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556	255.5504556
Secn1	396.495765	568.841221	462.065317	502.388622	502.750527	468.097044	506.058305	541.721893	512.3940175	489.3505127	407.977373	520.516836	256.736025	548.527665	484.3132629
Armc2	1.529964618	2.376786206	2.34843883	0	1.900089733	0.701412863	2.706194144	2.514222039	0.752412133	0.873901969	0	8.675281063	0.852084315	0.903554652	2.155697016
Foxo3	43.667471	50.8320295	43.7004023	39.1624675	377.4484936	393.492584	497.932726	54.1223388	50.867673	45.2031085	398.2115642	44.173904	47.4160935	356.0005327	407.780354
ace1	47.042671704	57.042671704	47.042671704	47.042671704	47.042671704	47.042671704	47.042671704	47.042671704	47.042671704	47.042671704	47.042671704	47.042671704	47.042671704	47.042671704	47.042671704
Csn1	3019.986099	2472.018811	2824.079528	2762.30771	2883.702051	3050.444292	2876.684375	2768.5521	2705.881135	2660.157593	2760.050699	2620909155	2788.871364	2875.11004	2880.011213
Osml	566.816221	614.003561	552.9118739	547.7569815	528.858309	604.617835	512.062222	566.888858	646.687457	572.8728676	571.701022	540.2214558	585.725651	603.022958	585.022958
Sec63	1795.96497	1685.141472	1724.52117	1668.286518	1679.182257	1863.605171	1631.730103	1508.95031	1549.428191	1753.642196	1759.347	1828.57294	1620.012591	1697.25217	1697.25217
Scml4	150.174223	156.9678777	209.8871269	149.001665	235.6111269	234.9732899	231.7120493	120.682679	141.1433032	142.932597	245.5104541	124.044628	217.9699501	214.125702	214.125702
Sobp	9.507144031	6.256259234	1.72521939	0	8.416562805	4.51032293	9.218811414	0	6.019312981	4.36959059	7.56692659	6.967328106	5.421327909	5.421327909	5.421327909
Pdsd2	107.1777877	151.3220346	169.940099	144.055731	135.5397343	136.7754971	135.3097072	126.2230954	170.0455917	185.2672174	166.473245	132.1889911	129.5168159	161.736286	162.3958419
Bend3	634.577617	625.094727	662.616808	633.155314	525.0581295	589.1867568	604.4595475	689.9537269	659.1147714	677.2740259	616.7076955	515.3116951	560.6714794	617.127827	587.008154
1700042F05Rik	145.5957406	134.6845414	118.257355	138.801166	144.4068197	152.9079916	138.9179661	149.1771473	134.6822179	119.7245697	112.5586132	147.4779811	118.587365	126.4976512	131.4275986
Cd2a4	2.1793989	173.113536	360.2541955	328.92987	257.7788044	170.042632	186.4542373	550.6715147	551.5195519	431.7075726	335.7404981	240.7366331	178.837062	247.5739746	211.2530676
Qrs1	255.4793184	234.7214672	318.064768	260.508047	288.1802761	291.086344	291.3669429	336.905732	328.055247	277.9008261	387.806985	297.5621405	287.1524142	286.426284	233.534834
Rtna1p1	184.9706893	229.0024104	195.0071623	193.22451	164.0410803	216.0351442	228.2237278	212.032725	200.849721	202.7452568	249.7098645	173.5056213	209.6217415	165.3505012	178.204286
Nm1	2267.25448	1799.227021	1833.3809	1657.07955	1955.825968	2049.52812	2207.35257	1121.343029	1252.0171	1275.022973	1471.774807	1489.569923	2104.32721	1963.42428	2137.732874
Argp	584.2143562	623.5102007	647.5414754	641.741082	651.7307784	675.4605319	643.7559033	666.2688044	649.333878	641.1918491	728.3204381	602.045508	701.2653914	725.554382	690.5416108
Prdm1	69.71837927	45.18394415	68.16541414	60.0087357	60.0087357	60.0087357	60.0087357	60.0087357	60.0087357	60.0087357	60.0087357	60.0087357	60.0087357	60.0087357	60.0087357
Prep	2698.557331	2496.417589	2511.598271	2498.116758	2520.206692	2450.352988	2412.122407	2451.366488	2439.30585	2413.717238	2746.284948	2348.398584	2233.31299	2260.69378	2341.626234
Limb2b	0	0.3132645178	0	0.3132645178	0.3132645178	0.3132645178	0.3132645178	0.3132645178	0.3132645178	0.3132645178	0.3132645178	0.3132645178	0.3132645178	0.3132645178	0.3132645178
Hace1	326.9036439	241.6399126	328.1445824	324.6297621	326.815434	302.3089193	327.131023	269.8598322	245.287004	285.7659438	256.3309594	395.6732574	313.534641	314.0131986	314.0131986
Hacc3	189.91363	1182.98137	116.114458	1157.62194	1133.72027	1113.84356	1211.85523	1075.952195	1063.538696	1207.876882	1088.174737	1116.230493	1116.230493	1116.230493	1116.230493
Limb19	83.9779729	129.2213136	272.5401305	276.228425	170.704748	166.243835	243.54773	212.8707993	166.283521	226.3406709	161.3602278	148.6502121	206.914502	228.5038387	228.5038387
Lifrb4	409.3163273	405.6012226	272.5401305	276.228425	170.704748	166.243835	243.54773	212.8707993	166.283521	226.3406709	161.3602278	148.6502121	206.914502	228.5038387	228.5038387
Dcd1d1	13.7354427	11.0166812	13.3137401	11.2139246	28.0013549	14.0285611	25.25781201	11.73303616	7.524142126	11.3607256	15.13393118	15.15505991	11.92918041	7.228437123	18.6827047
Gopc	701.4235049	720.087888	738.5211007	714.405995	721.4740352	720.138466	781.188043	722.417993	662.87842	621.349075	733.850708	718.307077	745.4325875	736.529138	736.529138
Nucl1	2324.0377	2300.7298	2393.159819	2331.63323	2214.23373	2348.110991	2239.162687	2293.358246	2481.00073	2431.69685	2565.2807	2565.2807	2349.2429	2349.2429	2349.2429
Zfa-p3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CepB51	77.83420093	61.7643666	55.0045191	41.40525214	49.0989674	49.0989674	37.1333509	57.18347332	52.0228884	61.594290238	61.594290238	61.594290238	61.594290238	61.594290238	61.594290238
Mc209y7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nm2	247.23626	273.3001306	255.130516	258.7280156	273.3001306	273.3001306	273.3001306	273.3001306	273.3001306	273.3001306	273.3001306	273.3001306	273.3001306	273.3001306	273.3001306
Asf1a	803.9815108	796.2233185	866.959553	772.89804	800.938802	849.8897156	847.9408319	822.7194884	804.330967	837.1980862	839.9331805	929.190729	821.905798	918.9150807	817.777347
Man1a	3196.66471	2691.314043	2608.710272	2697.379655	232.676829	251.759527	267.738073	225.953023	2371.609314	2304.479492	2571.82243	2409.993079	2429.29383	2069.140152	2305.87741
Kn16998	5.49417889	5.54583406	3.132645178	5.17565581	1.900089733	1.40262511	6.314455033	7.54266117	7.54266117	11.3607256	7.383482795	0.867528106	11.92918041	6.32488104	4.311394032
Tldc132	34.796463	24.5601226	50.9054841	36.800333	46.5251683	43.4879395	38.7887674	42.7417467	25.5820017	48.0464029	29.2319916	38.0976478	36.639255	54.2367341	42.3957435
Tf1b12	63.30086058	45.58500248	65.58500248	65.58500248	65.58500248	65.58500248	65.58500248	65.58500248	65.58500248	65.58500248	65.58500248	65.58500248	65.58500248	65.58500248	65.58500248
Gja1	8.241263384	2.376786206	8.611474239	8.620094197	12.0339014	11.22268499	7.216551774	34.36103544	7.524142126	38.45168663	7.22709877	5.205168368	3.408337621	5.137773258	1.437131344
Hsf2	524.689029	418.314305	418.2088133	343.318549	418.6531045	460.8282134	442.011702	491.944547	434.1294987	415.821392	441.453754	405.665512	454.600968	402.08182	457.007764
Serinc1	171.767629	1550.456751	1626.260099	1593.239958	1234.36254	1478.792013	1451.42216	1366.989715	1416.043049	1404.360464	1519.068342	1364.621711	1429.797481	1262.265848	1488.149507
Gpc2	6.408675371	3.961310043	7.04845107	4.31304708	0.6336244	5.30766495	1.8044634	2.514222039	3.00966649	0.81265289	0.81265289	0	0.70416863	0.70416863	0.70416863
Ucp3	118.83307147	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909	105.3772909
Knk1	674.8630909	663.0530635	674.3018746	571.047358	625.965718	688.8263154	667.874185	672.973423	644.936631	649.8137101	745.9416995	607.2299816	658.691341	647.4276704	647.4276704
Lims1	13.6102933	38.0170444	44.9432588	123.105459	73.629833	144.103433	157.118274	1231.96978	1376.1453	1197.245697	1378.01309	1496.485983	1423.205818	1551.45041	1524.07791
Ranp2	6093.043438	5404.811422	5558.09777	5355.079277	4888.93083	4807.48337	5455.941791	5619.28658	5613.039534	5901.352871	5489.83536	5494.93025	5251.395634	53	

[illegible]

Chrt1	8.21426834	7.922260058	15.6632599	8.6266204	9.500449664	11.9240177	6.314403033	6.704592104	4.514484735	8.739019689	19.3623467	5.205166838	4.262041576	18.311991864	7.18565672
Chrt2	1281.988234	250.3547947	324.2788279	250.1567317	241.3139661	234.7647027	31.12123266	231.3048276	218.9525097	32.9632591	334.865849	624.641241	287.3303972	275.2106524	2.701002624
Chrt4	13.73544722	3.169048034	18.0102797	22.4278491	8.23272162	11.2260489	9.922711863	1.67618026	0	2.621700597	9.45807898	6.94022485	10.22501178	10.7748808	0
Chrt5	124.424235	131.193624	132.85633	1283.1278	1331.962903	453.377333	150.9271766	140.027924	1525.896841	1338.1961	1379.07479	1453.971706	1451.96173	1364.367524	1399.047363
Chrt6	41.9804625	4.19804625	47.3518713	41.400255	29.2147902	41.2901262	0	0	45.6400191	56.80026214	96.7522419	38.17122696	24.7104406	20.7817669	37.3654144
A230k640K03Rk	84.0472073	76.2156052	86.7427143	798.7763226	727.7343677	74.0169122	70.1281196	759.2590558	880.3245234	181.8461449	105.974652	812.8738356	803.5155952	774.3463364	779.6437541
Ap12	97.06382705	104.5789851	146.8407106	186.2094197	181.0740527	98.89920561	118.1704776	67.04592104	0	0	0	110.1760695	112.4175296	108.425582	94.1321003
A230k100.160Rk	30.86426248	34.2573187	284.764599	49.7760231	224.2106898	45.8813253	264.3049614	242.203898	249.4007482	262.1705907	282.7002381	281.9466345	280.7031499	300.883699	286.7707103
Chrt7	1.58481098	1.58481098	9.48025958	9.48025958	9.48025958	4.51032259	4.51032259	4.51032259	4.51032259	4.51032259	4.51032259	4.51032259	4.51032259	4.51032259	4.51032259
Chrt8	90.65396136	101.4095371	97.09516138	106.9636508	96.965047637	28.46812288	104.6359609	140.7592516	0	0	0	103.037378	107.1227074	87.66501198	0
Chrt9	13.74200093	0.01846286	74.40032298	110.789115	101.8791413	110.704586	127.1911248	72.12439414	0	0	0	130.1292159	132.925152	118.3656594	104.9105881
PolrB	1169.344017	37.91405537	1326.675233	1283.526818	1811.855814	110.733082	120.041831	63.0267084	146.720359	1365.034875	1392.31669	1204.129012	1324.139016	117.731711	111.0326826
Chrt10	19204.00248	1.584542107	22.41371807	1.584542107	1.584542107	1.584542107	1.584542107	1.584542107	1.584542107	1.584542107	1.584542107	1.584542107	1.584542107	1.584542107	1.584542107
Chrt11	220.682521	247.1467747	222.4137017	220.8506402	172.2748024	1.42825661	1.74.098012	246.3937599	141.435385	268.991362	158.2836299	208.091362	164.4527278	209.6207693	0
FidB	14.6253667	2.54583406	14.096903	18.11479781	4.43354271	9.118366474	11.72684129	16.7614802	4.514484735	2.621705907	14.74797781	9.65492026	10.67109303	12.4575613	0
Tmem25	50.18016719	40.0923214	88.0413038	44.2438511	40.91255558	43.6815908	45.542681	40.6548963	374.702233	382.38184	442.933942	475.4630479	403.8889293	442.634539	0
Tmem2	276.8711149	71.30358077	75.9666457	64.1255888	66.77074467	75.7258302	73.9693606	108.9466217	85.7520997	95.2531461	74.2100146	81.8009426	76.8025459	96.8780004	0
Chrt12	735.02434	726.034034	724.761810	726.034034	724.761810	726.034034	726.034034	726.034034	726.034034	726.034034	726.034034	726.034034	726.034034	726.034034	726.034034
Bdb11	130.7316863	130.732354	116.691329	119.040099	167.2079965	187.272191	201.1604314	114.8161398	78.2510675	122.3462756	108.7753104	151.8714186	182.3460434	176.1931571	135.0548881
Pwp1	196.837139	720.738238	197.515946	180.252867	180.252867	180.252867	180.252867	180.252867	180.252867	180.252867	180.252867	180.252867	180.252867	180.252867	180.252867
Pdcm	111.844612	104.182451	97.865371	90.0842841	85.6737431	82.0112066	94.8971447	88.9717268	107.126894	128.562617	144.924818	93.1952966	93.1952966	93.1952966	93.1952966
Chrt13	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527	4.75357527
Chrt14	402.989215	422.940461	421.732571	414.545932	386.514588	392.202344	398.748474	460.186456	435.479241	457.275721	428.714464	376.698127	346.8510291	369.8510291	376.698127
Fb07	32.698353	36.9131043	31.9528902	37.9148416	37.8117866	35.4555419	34.3628505	35.343815	33.1846281	40.2470118	32.3795204	35.4189955	38.6986364	30.2608803	30.8246733
Syn3	40.9067531	21.3910742	16.438718	25.0156731	20.9009876	14.0282561	16.3712648	25.980294	13.5435421	22.7214519	12.2963194	20.2907686	13.6333494	17.8175699	17.2457613
Tmp3	9.156984618	2.37678602	0.78316214	3.450437679	1.9008973	1.02826511	0.90206474	13.4091842	3.76702613	0	0	10.4045789	0	0	2.155687016
A230k140B01Rk	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098	64.5481098
Tc41	13.7342144	2.37678602	0.78316214	3.450437679	1.9008973	1.02826511	0.90206474	13.4091842	3.76702613	0	0	10.4045789	0	0	2.155687016
Tc41	17.3982315	23.7678026	15.691329	23.2905433	22.30152546	22.4452078	21.6495315	24.3041468	18.09579384	22.7214519	13.42218978	15.61505991	25.5625294	27.8175699	17.9641418
N5d45	52.826201	58.1393536	58.9906744	51.94778235	41.9579326	41.9579326	41.9579326	41.9579326	41.9579326	41.9579326	41.9579326	41.9579326	41.9579326	41.9579326	41.9579326
N5d45	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496	2.1816496
Tymn-pb	1.85139602	0.792262009	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmch	0.15096482	0	2.349483883	0.8620642	0.363362244	0.37604029	0	0.8380743	0	0.75241123	0.75241123	0.505168638	0	0	0
Parpb	37.1777715	41.2999897	49.7410994	42.6129053	35.7939121	42.3547475	39.1408697	44.3415651	46.14202396	50.3312717	44.7880125	46.1377549	43.9261724	43.9261724	43.9261724
Chrt15	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098	854.0581098
Chrt16	493.5064038	497.2411352	497.307422	491.228178	440.820318	498.390036	79.7692449	455.071491	445.429106	519.877515	410.507833	492.376683	498.763042	498.763042	498.763042
Drnt1	7.325571853	18.2220622	3.97935364	7.7634477	12.0390164	20.34097137	14.4330534	3.35229652	2.25724328	0.739019689	17.97154238	16.1896019	15.3640298	13.6527477	0
G333	20.7316886	19.7413162	19.6882004	19.0032851	20.795386	20.253356	21.8675093	16.5717038	16.4420488	17.16.343467	26.0105223	22.801.73191	22.69.952616	22.71.50775	22.75.68479
Syp3	1.83139263	3.96130104	0.78316214	3.450437679	1.9008973	1.02826511	0.90206474	13.4091842	3.76702613	0	0	10.4045789	0	0	2.155687016
Chrt17	91.5994848	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977	80.8114977
Cam25	1.83139263	3.96130104	0.78316214	3.450437679	1.9008973	1.02826511	0.90206474	13.4091842	3.76702613	0	0	10.4045789	0	0	2.155687016
Up1	128.827901	120.700768	134.607349	125.621824	120.456891	123.965346	126.740042	137.799477	143.4103138	147.7077014	147.720678	129.068991	126.35.34528	118.4560148	121.250248
Ar20	275.167827	2591.48029	2581.299627	2685.428509	254.915355	245.417756	254.659984	3781.389947	3247.998742	3345.296727	3704.975277	2525.374317	2562.217536	2431.465567	2479.70134
Chrt18	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043	25.1121043
Chrt19	124.168429	108.191214	108.232908	93.3433921	95.07118621	105.429619	110.5029276	108.177919	100.5772892	107.1221892	98.4917937	105.1571672	108.407502	102.945653	108.177026
1500k26217Rk	0	1.58452107	0	0	0	0	0	0	0	0	0	0	0	0	0
Actr2	204.200315	205.1956802	197.3566462	190.3668817	191.909063	121.125245	205.728197	188.595948	215.853763	258.2270028	204.7366331	194.2752319	182.518396	212.695439	0
Unf13p1	117.669199	115.91027	107.449796	107.449796	107.449796	107.449796	107.449796	107.449796	107.449796	107.449796	107.449796	107.449796	107.449796	107.449796	107.449796
Chrt20	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328	1075.147328
Ikbp	49.44761	34.85952837	48.3570249	34.50437679	35.4683416	36.6678167	36.0825889	30.17066447	32.35380727	24.46925513	10.5847928	58.9919123	82.6521787	82.6521787	82.6521787
Sic25a3	9675.294024	8866.204137	9382.727308	9382.727308	9382.727308	9382.727308	9382.727308	9382.727308	9382.727308	9382.727308	9382.727308	9382.727308	9382.727308	9382.727308	9382.727308
Tmpo	7865.69374	7261.51308	7552.024363	7165.096449	7385.015429	734.647837	7967.337628	7016.355637	7394.725997	7287.428519	7307.797019	8184.126051	7740.33919	7855.50414	7857.575542
Chrt21	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233	921.675233
Ck17	139.630045	125.515842	154.973783	140.9503792	157.6795131	154.076057	171.1218629	175.7585834	160.0231824	159.447938	164.9327418				

Mon2	1153.77567	1304.06266	1300.04749	1225.76795	1092.55196	1222.56252	1302.58148	1205.98855	1183.547415	1202.489109	1139.774192	1318.642722	1301.132749	1192.69214	1230.902996
Unp1	1801.174979	1906.39031	1898.38267	1885.02244	1653.078088	1720.56612	1808.6397	1883.152307	1893.826347	1892.871665	1932.413838	1783.68484	1821.383338	192.5786024	174.497693
Lsg1	0.93740145	1.58405401	2.34943883	0.187	0.2162889	0.51132046	0.6867515	0.83807401	0.91740145	0.93740145	0.93740145	0.93740145	0.93740145	0.93740145	0.93740145
Xrcsrbp1	133.6915865	140.242282	161.3312267	168.7940344	176.9493414	182.940862	189.044582	193.3675444	201.6469849	207.9886696	214.7126386	196.961303	197.5927585	206.9145052	187.586404
Ctdv2	1223.70499	1461.723406	1483.307492	1494.039515	1473.200926	1297.613691	1498.32941	1519.05636	1386.699228	1313.450054	1139.774192	1617.939918	1588.285163	1667.058332	1430.65243
Adsp	2.74708945	3.96131004	3.939735534	3.45043769	5.06690954	4.20847683	4.10323254	1.67618026	6.991212571	6.991212571	6.991212571	6.991212571	6.991212571	6.991212571	6.991212571
Tsm1	780.749077	720.958427	740.074233	779.7899154	680.854678	799.8297594	645.873358	720.3060229	690.7161455	779.0255633	770.864195	689.688445	673.989834	698.447475	676.170923
Tm1	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633	1.58433633
Adsp1	49.054825	47.620348	50.787307	47.709962	48.709962	45.9183327	47.9963835	64.6892961	54.9263095	64.715639	57.13059021	51.3116951	51.688924	49.0515037	44.1199326
Cyp27b1	6.409875371	7.130358077	5.34888888	0.86269042	0	2.104238417	1.8041293	5.86651801	1.5048285	3.49650767	0	1.735056213	2.556252945	2.710663955	1.43731344
Marc9	229839168	178.1255173	178.422733	180.508526	199.902646	202.024961	147.5010263	188.859448	188.859448	147.437267	108.7751304	225.5573076	212.2815004	192.4571408	184.6713777
Sd4	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957	6982.38957
TSpan1	11.55196174	10.354323	12.6256978	11.5568622	1048.216169	11.65.748083	11.78.995852	12.72.193532	11.44.42188	11.93.75009	12.33.52107	10.95.687398	11.22.195043	11.27.652045	11.71.252045
LOC0054703	7.32255183	11.8839031	3.132645178	3.45043769	3.16681622	7.0142857	9.92271183	8.86651801	14.2956838	4.36950845	2.837612096	5.20516838	12.78126473	6.11872643	6.467091048
Ag2	1269.914505	1518.76267	1362.700619	1576.850019	1572.640936	1407.034088	1483.148967	1643.277227	1634.234474	1371.152189	1345.028134	1523.39395	1467.289191	1497.190058	1438.58476
Ona9	2439.915427	2314.98569	2402.738651	2291.096919	2395.37979	2204.540448	2552.34314	1524.217934	1998.41191	1739.38796	1969.302795	2325.84283	2344.935035	2327.556782	2552.58401
Bqglnt1	8474.70592	9570.87507	8868.89879	8591.88757	10353.3213	10225.9929	10520.7807	6940.09092	7944.70015	6951.90013	8341.320315	10175.23716	10331.6285	10185.8938	9170.20131
Ssc3a10	165.7410632	154.89115	155.840976	159.582746	172.9081657	211.125245	211.985208	160.0721365	117.3766031	146.8155308	112.5866132	159.2591396	24.5773102	252.905304	217.0086239
Ahrge25	43.931952	42.79214846	25.0611462	38.1472388	21.3835554	31.57226052	32.6848865	39.774778	41.07339254	32.15960376	37.3070857	34.0837261	28.837102	28.1001942	40.958243
Dx3	423.67471	414.3530304	454.235808	380.4107541	423.7200104	474.1550667	441.719044	377.1333059	339.3387693	365.8775919	397.2656935	464.95065	447.344265	450.8737711	416.7880897
F42001A223Rk	1.63332985	0.79226209	1.31264518	3.45043769	7.60035931	3.57064029	2.76619414	4.19037065	7.524141226	0.823901369	7.876342795	7.68075267	7.68075267	7.228437213	5.748525376
Pip4k2c	74.537639	74.932406	75.236501	75.905635	74.9.268718	76.9675569	77.1411483	765.999647	748.62502	843.3154	718.861731	694.022485	741.333542	704.727628	781.7994511
Kf5a	4.578482408	10.0142882	10.1810963	12.1392246	7.60035931	9.81977928	5.14238829	5.02844407	10.5339772	14.85633347	4.72935344	15.6155091	9.37292747	0.90355462	7.18655672
Dctn2	1821.32002	1668.0379	1867.83967	1825.28152	1602.40008	1563.44914	1658.8917	1845.43997	1677.88973	1886.75534	1617.43895	1640.49549	1750.1813	1777.292	1700.12638
Mdb6	612.609462	561.713764	590.503616	552.070026	552.070026	547.672788	534.476558	648.584529	480.0402102	505.115338	520.257431	534.397135	553.848439	571.045398	565.511838
Md12	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526	188.589526
Mars	407.73.01795	3958.14094	4087.318796	3836.88669	3589.02909	3826.20585	3826.55852	4055.44019	3963.717598	3924.69732	3975.40454	3679.166699	3831.58331	3384.71525	36697.714887
Ahrap9	2561.160119	2385.500908	2286.047819	226.72625	2648.725088	2683.60539	2753.10151	3671.596622	1970.575287	2032.083058	1850.123087	2490.67139	2536.752048	2798.306575	2568.87277
Git1	8.24126834	6.338906696	6.498967767	10.351304	7.60035931	7.01412806	2.70619414	5.14223098	2.25724238	13.9824315	12.29631908	260284319	2.69575295	13.5531977	13.62274777
Rd2	955.073103	888.127265	886.959553	872.900727	879.108831	814.362674	934.262674	931.1002285	876.5624528	786.511772	748.183227	697.1466226	784.632592	948.632228	948.632228
Itac3	1.43332985	0.79226209	1.31264518	0.86269042	0	2.104238417	1.8041293	5.86651801	1.5048285	3.49650767	0	1.735056213	2.556252945	2.710663955	1.43731344
Ndh4f12	83.13139293	10.92276209	0	0	0.63363244	4.20847683	9.90264714	0	0	0	0	0	0	0	0
Shp2	1023.12617	957.742914	953.342238	9201.454679	9103.32991	9403.140073	9457.24647	9933.971612	9107.972954	9193.48713	9068.062389	9057.29724	9098.556317	8409.383147	9521.71319
Xnm4	4.578482408	3.16904304	0	0.86269042	2.53452977	7.01412806	2.70619414	5.14223098	0.873901369	0.873901369	0.873901369	0.873901369	1.7016863	1.80710933	0.17856572
Xpl	7.123805	30.1059903	28.199086	12.103396	11.7129669	12.43.7129669	16.17.940678	36.11587779	32.1054744	32.10775267	32.1054744	32.10775267	14.4687447	0	5.00959974
Stat6	374.2137591	3760.075492	3799.898601	3635.898704	3634.23926	3586.323676	3760.120184	3503.149375	3239.432492	3281.501993	3162.045746	3634.618046	3756.839746	3556.391709	3818.457981
Nab2	2696.72138	2717.456869	2678.411267	2553.332882	2557.52708	2864.56569	2746.427044	2415.329306	2079.96967	2079.96967	2579.16106	2741.155242	2400.741709	2583.962156	2583.962156
Myo1012D01Rk	6.409875371	7.130358077	7.816112945	3.45043769	7.60035931	7.01412806	3.60625889	3.323962652	17.3055842	7.86511772	0	5.20516838	2.556252945	2.710663955	1.43731344
Imen1341	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873	1240.76873
Zb2a	1.02940611	1.56632589	5.17556858	1.80017466	1.40282561	3.60625889	3.32396265	0.831212981	0.831212981	0.831212981	0.831212981	0.831212981	0.831212981	0.831212981	0.831212981
Zbtb39	233.020269	313.913901	227.899367	194.9497288	156.407713	187.2772191	186.727396	234.703536	245.287004	166.9152761	207.145683	176.1082056	192.5710552	130.118698	196.886941
Gpr182	0	1.58452407	1.56632589	2.58782259	1.266726489	1.40282561	2.70619414	4.19037065	0.873901369	1.89174398	0	1.7016863	0.90355462	0	0
Rdm1	0	3.16904304	5.48212960	1.75218389	0	0.90026475	0.83087403	0	1.5048285	3.49650767	0	0.4083372	5.417773258	5.748525376	0
Rdh4	9.1569468	140.230725	161.540561	2.53452977	2.53452977	2.53452977	2.53452977	2.53452977	2.53452977	2.53452977	2.53452977	2.53452977	2.53452977	2.53452977	2.53452977
Prm1	903.792473	1005.384089	1080.762596	975.111629	1005.11629	1005.124551	977.831508	1271.358278	1182.795001	1201.741305	1233.415391	1048.84148	1055.50745	11045.10745	1027.548911
Naca	1082.61672	1062.1698	10487.31829	9575.827188	10806.44367	10244.83544	11164.8547	10178.40889	9870.92849	10333.01688	10333.01688	10275.5684	10285.5077	10077.12262	10282.84226
Pgcs	4388.93326	4291.4683	467.690539	423.723006	405.69158	417.29317	435.32019	4363.01332	474.026787	4296.97581	4515.586716	4272.579523	4039.73178	3971.122964	3949.95459
Apg5b	32666.17412	3230.52209	33527.15502	31827.69976	3075.55869	31186.14019	31031.92825	3525.961	34877.40424	35303.89174	34912.08747	3438.50298	3189.62509	30207.00299	30207.00299
Zb2a	2715.081404	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788	2582.08788
Rbms2	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604	42.71.45604
Spr2	265.55917	255.283337	174.644967	163.895797	129.206118	112.226049	116.363482	119.8445839	123.3999161	124.769816	178.7956521	145.747132	149.1147552	141.8580083	165.9886702
Gly4	232.429945	240.053866	228.63089	199.267759	205.209911	228.319033	211.081433	255.669421	246.03481	294.504963	319.7042962	196.66129	225.823023	215.046071	194.0127314
Mip	1.8094763	1.8094													

Mgat1	2367.991101	2720.62737	2552.322659	2517.040287	2418.180867	2415.665703	2425.54083	2432.29886	2488.989917	2471.394768	2370.351971	2366.616674	2273.360953	2268.82573	2360.428313	
Flk4	0	170335807	3195800472	1.75251839	0.63336244	2.10423847	7.21651717	0	0	0	0	5.675224193	1.75066213	2.556252945	0	3.5922869
Ono6	2816.68237	2826.797846	2889.86517	2876.802415	2876.381591	2849.28167	2943.371764	3138.587	3018.68546	2926.697694	302.991617	3143.654329	29345.324236	2977.212527	3024.44291	
454177889	2.476319214	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	0.783161204	
Map9	848.8506384	105.062198	809.056172	83.05509182	82.04505808	485.9038437	856.0594143	873.2731216	929.2314414	830.2068705	770.884195	940.4040672	821.4092798	864.7018016	845.5717959	
Rasgef1c	2.74708945	1.58452401	0.783161204	0	0.703412806	0	0	0	0	0	0	0	0	0	0	
Rnf130	148.34293	102.940611	171.5123235	160.4453521	173.743565	126.9557178	128.9595420	109.7869527	94.80471945	116.2289919	103.0999062	105.388429	115.0313825	112.407748	121.4375996	
BC0049762	96.1071089	1010.67139	1056.362262	886.3901303	888.770369	917.618721	886.3901303	927.7537178	887.7537178	886.3901303	886.3901303	886.3901303	886.3901303	886.3901303	886.3901303	
2310002009Rik	86.0754927	78.4333984	96.3283922	73.3218067	111.47193	86.95718791	108.4595304	72.0743651	77.9558699	90.8558047	62.11054891	105.83429	86.06051583	106.619489	115.6890732	
Sgstm1	304.13841	2915.52411	2657.266272	2591.278697	2577.155041	264.326278	2815.34975	2422.87192	2549.17904	2441.68201	2434.671179	2635.500349	177.233534	2742.28368	2479.05168	
Mgat4b	232.986903	182.220261	95.7903276	195.760232	156.3420057	191.485666	186.0178428	136.6006641	145.983038	172.1586879	188.2282691	134.4686565	177.923954	189.7464786	158.8030135	
Ic61	0.1546282	1.58008089	0.1546282	0.1546282	0.1546282	0.1546282	0.1546282	0.1546282	0.1546282	0.1546282	0.1546282	0.1546282	0.1546282	0.1546282	0.1546282	
Canx1	726.1473099	770.659216	770.659216	770.659216	770.659216	770.659216	770.659216	770.659216	770.659216	770.659216	770.659216	770.659216	770.659216	770.659216	770.659216	
Man1	10565.29727	13065.9565	11122.467	10246.07469	10155.97962	9994.431069	11309.1853	10942.72329	11119.1759	10977.56563	11229.3794	10904.8283	10902.06471	10247.92423	10274.05196	
Hmnhp11	5329.353523	5744.69184	5994.310548	5389.583054	5596.397626	5675.11011	5572.05373	1712.734149	6668.64368	6914.312378	6883.101073	6811.688655	5957.773532	6100.801007	5813.914582	
Rufy1	131.3805646	78.2589159	219.8309334	222.553203	186.842571	126.547510	230.526827	235.498777	190.360773	234.205727	215.658519	181.313742	200.259814	196.986702	156.986702	
Zfp554	26.55519797	1.885021833	27.43264537	40.5905147	27.16773265	16.42974674	40.5905147	40.5905147	15.80069557	26.83676497	24.92632017	30.35348372	11.92918041	19.5714885	26.8656419	
Zfp879	0	1.58452401	0.783161204	2.58782359	0	2.10423847	0.902064715	1.676148026	0	0	0	3.783482795	0	3.408337261	2.710663955	
Grm6	0	3.16904034	0	0	0.703412806	0	0	0	0	0	0	3.783482795	0	0	0.903554652	
Zfp2	7.325571853	1.58452401	10.1810963	2.58782359	1.266726489	7.17155406	4.510325734	0.830074013	2.25724328	0.873901369	6.815263289	6.94022425	7.668758836	6.324882561	2.874262688	
BC0049762	2.14708945	3.16904034	1.585232589	0	7.500359931	6.312715251	4.510325734	0.830074013	3.762070613	0	0	0.852804315	0.903554652	0.718656572	0	
Ckl2a1	22.89214024	38.82083842	13.3137401	25.0156717	27.2346195	28.05651223	41.49497868	20.5185303	19.5627169	15.73002544	29.3219166	27.7608994	26.41461377	30.72088515	31.6168957	
Phykp1	256.3951048	244.808966	278.8054208	256.1949676	271.079486	218.8407954	228.1244376	323.496569	310.7407036	267.4140025	277.1401147	255.053232	265.8035023	252.953024	243.5937628	
Hmnhpab	29365.40747	27232.42202	28210.25299	27570.72227	26833.70057	29667.54574	28073.15959	29630.10673	31.704.47388	29221.53344	29293.21604	27962.16592	26480.22426	25960.93225	25657.15058	
Ic61	3418.703567	3418.703567	3765.919246	3765.919246	3765.919246	3765.919246	3765.919246	3765.919246	3765.919246	3765.919246	3765.919246	3765.919246	3765.919246	3765.919246	3765.919246	
Rnm5d3	840.6093701	826.3292749	837.9825851	807.4024168	897.4757171	887.2112164	861.7179968	866.5985295	896.8770341	832.2156547	881.5514913	910.0369835	912.5823015	905.3617609	905.0336975	
Ntbp3	278.3717304	358.9846999	339.1088405	329.0152546	350.818933	329.51267785	295.841062	295.841062	316.7636456	260.4227867	271.4648095	255.9207914	181.882593	108.121362	345.6306870	
2310048N1A1Rik	7.325571853	1.472976491	7.04845165	12.0765318	9.50044864	10.52119209	12.64955315	11.6711102	24.2907868	32.3343728	10.40457769	24.2907868	22.15419219	9.939101167	11.65006701	
231005822Rik	85.15972149	66.5595054	84.8532311	75.9062993	74.76806262	61.36388465	129.1931472	89.5372085	157.3023544	117.3023544	112.9637848	111.0435976	89.6885309	112.047768	81.9164866	
Sec14a	994.777179	1083.02146	1842.952406	961.805629	798.1358034	741.303356	833.577985	144.800102	1154.20304	968.283315	1069.77979	870.9982187	939.32504	969.57504	842.856646	
Sar1b	1331.989935	1156.702532	1178.657748	1082.574822	1083.051418	1126.857664	192.348744	1366.898715	1191.071556	1303.861738	1211.660365	1001.99463	1050.619961	1101.43312	1024.674748	
Jade2	3291.776549	3643.77832	2505.326391	2530.034328	2395.37979	2310.453782	2548.332819	3001.981115	2895.511095	2549.172043	2341.97585	2403.920383	2534.08087	2426.947194	2271.386089	
2310024n1p1	1737.076226	1821.411043	1861.819043	1843.33633	1989.595921	1882.89402	1857.351324	1939.30236	19631.04846	2033.569892	1989.16608	1865.185429	1834.30482	1922.76429	1771.264381	
Irb1b	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	975.745239	
Ckl3	37.54355574	79.2262095	74.00432298	63.83309705	40.53524763	47.69607709	42.39701459	27.0743651	59.44071568	53.3080021	70.94030241	44.2493342	34.93546592	60.53816162	34.49115225	
Ppp2ca	5543.62649	5811.393536	5424.175126	5230.863521	5241.080846	5593.767126	5451.177071	5422.338864	5364.712684	5350.901756	5368.335235	5342.278808	5352.739668	5447.530994	5200.259768	
Mir361	10.98857378	14.26071615	14.0969033	24.15306375	12.03930164	17.53532014	12.62890061	16.76148026	1.50428245	12.2462756	26.48437957	10.41033728	11.0770961	7.228437213	16.52701046	
231007137-sp1	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	0.792278906	
Sgk1a	2720.927274	2720.927274	2425.405895	2309.817256	2556.254054	2259.525054	2331.600123	2731.283209	2683.861175	2774.638751	2700.460845	2586.988381	2652.538473	2432.36912	2435.937628	
Vdr1	496.826509	4929.45247	5370.136996	5496.547222	5854.176467	5608.49574	5939.140492	4797.538096	4915.521463	4403.592021	4414.378551	6565.452708	6308.96462	6936.58906	6041.394674	
Trc1	5926.38769	5514.935841	5774.248224	5563.830757	5385.487666	5421.90988	5698.136322	5100.518443	5268.207433	5251.276931	5513.141115	5448.227111	5464.689331	5506.18943	5506.18943	
231005608R1Rik	1987.977061	2025.649302	2052.66573	1855.472862	2064.139813	1985.98653	2066.74838	1902.42801	1865.23461	1932.197253	2009.975235	2003.122397	2120.210788	2118.835658	2211.924429	
Fst1d	2.17040845	3.16904034	1.585232589	0	7.500359931	6.312715251	4.510325734	0.830074013	3.762070613	0	0	0.852804315	0.903554652	0.718656572	0	
Hsp4	8493.04627	7520.94327	8257.652698	8239.65177	7578.824581	7508.17661	8076.139531	8752.000919	8617.389946	8341.58158	8507.161065	7731.410483	7650.86506	76310.66086	7333.68214	
Zfchc10	375.4355574	369.986358	397.849376	367.746339	353.4169693	359.1233565	457.479119	459.264592	366.425677	393.255886	447.3968405	381.7123668	319.5316182	328.456426	365.749927	
Aftr4	1468.771156	1336.54608	1393.243943	1390.526384	1088.753417	1177.76339	1257.48212	1340.918421	1330.28819	1307.357345	1440.561074	1337.72834	1264.94313	1328.48993	1400.484495	
Uqcrc9	260.4973704	2515.43387	2557.022627	2527.653649	2416.814242	2477.39003	2399.42021	2411.38936	2549.534161	2588.94846	2351.434557	2201.786334	2232.767041	2281.44008	2281.44008	
Scp1	47.61621704	55.458167	4.435320261	65.0022847	56.9322217	54.00778604	54.00778604	86.32162334	59.54071568	39.3255886	4.73923394	50.31663016	44.33083439	59.676401	49.58103137	
Il13	31.905646	106.953117	115.1247013	122.0095736	82.970585	112.2260489	123.689954	117.330618	113.6145325	135.2955099	120.5864008	97.7648646	106.917309	114.251948	114.251948	
Ilk3	97.9066223	37.2363144	43.0738712	68.0087357	33.5682519	50.071201	37.8867180	113.9780658	86.51629492	79.4531387	40.773821	32.3128289	29.8173035	23.71266717	23.71266717	
Adn50	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	1601.93071	
Irf1	2338.68881	2495.06602	2748.896144	2754.318177	2427.681315	2280.29301	2463.538736	2755.58735	2680.00955	2856.7855						

Ppssap2	522.862691	592.6119824	559.1771643	503.7639011	471.222537	504.3158073	495.2335284	605.0894374	613.2175099	598.6228487	601.5737644	513.5766389	493.3668185	529.4830258	466.3491211
Ukp2	396.495765	433.3673187	362.0036793	391.6246765	381.2846731	366.8386974	441.1096465	331.0392352	373.1974048	322.4689848	362.2684776	429.4264126	403.8879654	433.4116664	455.570636
Amk10	454.243772	494.371427	522.3688334	490.004163	425.520003	405.4166017	417.7789458	406.7920243	406.7920243	487.6372986	515.4995308	515.4995308	445.4534232	522.372435	522.372435
Ukp10	110.3493889	117.2544773	114.3154168	108.009869	91.18356414	118.1704776	118.1704776	118.1704776	118.1704776	179.0736158	179.0736158	179.0736158	179.0736158	179.0736158	179.0736158
Adsona2b	76.9158045	76.9158045	84.37604854	84.37604854	96.2696821	27.88792783	41.88335554	39.6904745	62.8555508	37.6207613	47.19070632	69.04856101	37.30370857	27.1066395	38.80254929
Zsawim7	102.5580059	97.44827075	81.44877463	95.3992679	66.50314065	88.7801352	116.3663482	113.1399918	108.007348	108.007348	108.007348	113.5044839	81.54761499	93.72927467	86.9464631
Tc19	208.6289251	197.2732401	208.3209043	189.714463	209.0098706	221.6446466	220.0250523	187.7285789	226.4766509	229.8362178	232.6841919	178.7107899	210.4648258	209.6246792	201.1963882
Nkor1	144.9857406	173.5983799	171.5123223	192.4902318	121.0691034	125.265438	142.5352249	118.684589	150.8717749	129.2377461	172.1484927	101.3980335	133.7260834	170.1743259	170.1743259
Pigl	153.8703099	174.2792619	178.5607151	154.4070061	174.313495	175.352014	159.6545523	186.566529	168.507435	145.914628	158.9062774	174.3731494	195.1273082	174.684768	156.647315
Cenpv	232.5869063	236.886305	215.369356	249.2941223	226.744015	236.3761155	208.120758	176.8336161	165.531107	149.701833	151.127263	244.642926	232.321867	235.7494598	235.7494598
Uhb	18381.6917	16606.6036	17354.0712	16881.2634	17057.10553	18330.02058	18778.02058	14930.28854	15031.72934	18470.81463	14512.94413	16823.97257	16692.33173	16829.60894	16912.88022
Trp2	1944.933927	2083.456169	1997.844467	1987.844467	1986.522378	2052.333226	2052.333226	1673.222222	1673.222222	214.3633003	214.3633003	1943.604323	2094.43969	2062.23433	2062.23433
214000616H1Rk															
Ukp10	110.338791	145.1685761	956.2390406	774.6232588	915.8435512	973.5609743	705.4864666	705.4864666	831.4176055	694.2690929	872.7332049	853.1784838	907.1688702	944.195293	944.195293
Snor408A	8.241268334	5.5483584	14.096903	2.58782259	3.166816221	5.613022446	1.80412943	4.08244078	4.514484735	0	1.891741398	6.94022485	0.85208315	1.107109303	9.341352736
Lrrc75a	24.723805	26.99369289	27.41065431	34.50437679	17.73417084	28.09551223	36.08259829	25.980294	12.03826596	27.0990614	23.64677647	34.70112425	42.60241576	34.68531146	16.52701046
Mem2	223.4299414	258.2717442	257.179398	231.9271161	245.748398	216.736557	238.1458047	222.945756	231.745548	231.745548	231.745548	217.7495547	217.7495547	229.320185	226.3481867
Trp26	149.9857406	173.5983799	171.5123223	192.4902318	121.0691034	125.265438	142.5352249	118.684589	150.8717749	129.2377461	172.1484927	101.3980335	133.7260834	170.1743259	170.1743259
Trp26	201.2793839	30.8923383	13.3245178	13.80175071	25.3345297	23.14662259	18.0412943	12.5711102	25.3018131	29.71266694	31.21373306	18.21890023	22.15419219	31.62441121	20.8384049
Trim16	97.9795253	86.9439384	86.9030369	81.08528545	52.56914927	62.42573971	78.3161949	44.1792269	37.6207613	40.39898114	58.6439332	50.1636016	59.64592026	67.7665987	66.10804182
Fbw10	1.83139263	0	10.96248512	4.31304708	3.166816221	0	1.80412943	1.676180426	5.266898869	6.991215751	0	2.602583419	2.556252495	0.903554652	0.718565672
Trp26	276.769935	224.201484	274.809614	292.424593	256.0125626	234.754129	279.6400616	211.7635329	246.0394181	276.1530222	244.642926	280.3357387	286.426245	266.5978643	266.5978643
Hc3b3d1	347.0498389	303.896968	303.866523	320.807041	201.043772	202.7043102	257.3040077	155.8817654	172.302841	188.7628253	204.3080709	254.1857351	204.1941025	237.8452374	237.8452374
Cox10	792.993153	790.866759	762.019395	827.2424334	748.019915	742.7961312	797.4252079	896.739144	850.9807362	1032.078222	969.5174662	686.2147321	703.821643	722.8473173	779.6457741
3x301K17Rk	14.65114371	1.58452017	1.78316129	9.48870316	6.33632443	4.90989864	5.41238289	6.17640826	5.41238289	7.86511772	0	1.735056212	4.260421576	4.260421576	4.260421576
210012000Rk	16.0131908	23.31369431	19.57903236	15.0720028	50.0599693	54.0087864	54.1238829	27.6564423	21.0679543	47.19070632	30.2678236	53.78674259	36.3962955	46.98484188	30.8963239
Elec2	2621.29628	1657.142157	156.0754517	179.3439364	163.0421391	141.1247564	155.1551351	141.1247564	1659.825551	1854.419936	1580.862359	1491.999636	1352.426985	1352.426985	1352.426985
Arhpq44	0	4.73520577	0.78316129	0.86260942	1.266726489	0	0	0	0	0	0.867520031	0	0	0	1.437131344
Map2k4	1414.751064	1238.305519	1386.978535	1335.319382	1193.889715	1228.875236	1307.999367	1479.200633	1413.542807	1442.812151	1529.47292	1328.83901	1355.66145	1290.276042	1386.13181
Zkscan6	21.24729767	427.1865167	218.5020012	230.316715	209.098706	109.028703	263.402968	179.374838	150.262511	190.1200105	160.1200105	280.1644985	208.7606572	215.9495617	240.000934
Dma9	0	1.58452017	0	2.58782259	0.03636244	1.40262511	2.706194144	0	0.73901369	0.948587069	0.948587069	0	1.7041663	0.903554652	0.718565672
Mem220	3.66278506	5.5458406	3.15800472	0	0	0	0	0	0	0	0.948587069	4.337840551	0	0	1.807109303
Adrm	456.0168478	365.2327859	365.2541955	367.2541955	290.0803659	356.3177053	337.163238	261.4790921	298.7804067	378.399565	307.6624378	321.629904	323.629904	311.338936	311.338936
Scot1	1248.094304	825.3070129	941.359876	609.6311373	786.337552	843.053083	55.2626226	647.0761454	706.1127099	706.1127099	706.1127099	706.1127099	656.957077	554.7825051	695.5715705
Mh3	4.578482408	0	0	2.58782259	0.03636244	1.40262511	0.902604715	2.51422039	0	0	2.83761206	0	0	0	1.807109303
Trd	377.800321	131.690192	292.424593	355.950143	325.455419	325.9441225	324.3841225	324.3841225	319.776021	353.902132	332.36271	332.36271	326.087071	316.1688971	316.1688971
Nm1	274.7409945	1.58452017	2.34948389	1.75218839	6.96959687	4.20947631	84.1812943	0.83074031	0	0	2.621705907	2.83761206	10.41033728	7.66875838	8.13199186
Pk3c5	3246.144427	3135.77303	2992.459306	3059.675612	2264.906962	2327.287689	2367.191963	257.263503	2801.266748	2851.542125	2742.079156	2285.93656	2495.754959	2497.973146	2520.009812
Pk3c6	14.65114371	13.48454414	12.53508971	12.93914129	6.33632443	7.171540863	4.51023574	20.9518903	5.266898869	6.218475492	41.61831075	5.205168638	0	0.772843713	5.748523756
Msd4b	7.130980899	156.0754517	179.3439364	163.0421391	141.1247564	155.1551351	141.1247564	1659.825551	1854.419936	1580.862359	1491.999636	1352.426985	1352.426985	1352.426985	1352.426985
Mh10	201.2793839	64.9554847	38.7043043	31.1032369	47.0116653	26.9627388	27.9640062	42.7417747	33.8589352	58.8092798	36.88987525	30.36348372	35.78754124	27.1066395	26.5862996
Ndel1	844.272156	760.5715282	748.423267	778.9363059	712.534968	758.227243	760.4405546	624.664828	705.0120329	780.394582	728.736093	753.2425346	688.506645	765.9910063	765.9910063
Agrh15	0.10596482	1.58452017	0	0	0	0.902604715	0	0	1.50428245	2.621705907	2.83761206	0	1.7041663	0.903554652	0.718565672
Sc3a5a5	232.0270385	33.27500346	31.32645178	24.72748491	24.70116653	24.5494842	22.55161787	44.1792269	41.6879384	18.35194135	20.8091557	25.1983508	26.9708672	25.29953024	16.52701046
11anqr1	220.681747	282.837571	246.689878	246.689878	1.9008793	1.9008793	1.9008793	2.51422039	156.0754517	179.3439364	163.0421391	141.1247564	155.1551351	141.1247564	155.1551351
Plas	430.069515	2277.753274	2286.8398	2304.02976	2185.10313	2577.243759	2353.486481	2857.832385	2596.351137	2509.845465	2537.771085	231.674959	2295.515145	2305.718824	2237.615303
Ctcl	941.335983	1066.384683	989.1327149	947.6895915	941.177781	975.3631815	950.7762094	1083.629959	1104.543932	972.658914	972.3550783	950.8108045	973.933272	987.229769	107.488992
Aurkb	2577.685956	2096.361022	1726.235305	2935.49585	2589.189493	2713.766145	2704.390031	2693.569878	2736.530164	2841.929203	2770.455277	2970.837918	2665.319738	2974.501913	2904.310502
Z12047M10Rk	331.4521263	310.5567073	268.624324	297.8002498	291.3470824	291.3470824	291.3470824	191.518949	349.2415078	224.502626	244.0346403	281.9466345	302.4895313	281.9466345	281.9466345
Mem107	178.7516504	156.0754517	179.3439364	163.0421391	141.1247564	155.1551351	141.1247564	1659.825551	1854.419936	1580.862359	1491.999636	1352.426985	1352.426985	1352.426985	1352.426985
Vamp2	760.7844137	362.0637379	395.4983437	408.786849	455.738213	396.2872732	412.2435747	371.1333059	378.4242224	414.222144	417.453574	419.2254831	410.213811	449.103545	449.103545
Per1	1043.893989	911.1013098	928.6124566	911.781566	787.2705126	718.246713	698.590385	667.1069144	690.4856101	664.1564964	690.4856101	664.1564964	690.4856101	664.1564964	690.4856101
Alox3	0	0													

ZzeF1	1150.114781	1113.128122	1135.583877	1160.209669	1067.217067	918.807755	1147.426317	1102.067327	1253.521928	1037.321637	1195.580563	1164.222719	1138.384645	1075.230035	1146.112247
Apz2a3	3067.583213	2148.23781	3548.503825	3483.212838	3738.109868	3794.643279	3985.32191	2608.924403	2905.070927	2872.515772	3140.29072	3242.962097	3374.314455	4196.107802	4258.226071
Pzr2r	0	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034	3.16893348034
Amk1a	25.63950148	31.60408334	56.38710434	77.38483411	33.37639445	131.8468215	31.60139315	31.60139315	31.60139315	31.60139315	31.60139315	31.60139315	31.60139315	31.60139315	31.60139315
22000111Rlik	1270.07102	1285.048978	1348.835685	1287.013254	191.989626	1306.030644	173.844561	1640.733005	1556.744426	1280.266384	1407.4556	1397.587779	1329.251532	1309.25069	1261.8031
Igae	418.4732921	58.5512662	61.9142614	71.6841176	176.8672823	599.006563	601.6718456	1231.130705	174.234321	807.4854193	1376.241867	653.248664	600.815378	711.0795108	607.1879928
Osg2	5407.586496	640.147399	539.5981130	600.3761561	521.891133	542.1920988	565.1718643	698.1156299	635.0375195	693.8781531	676.2975496	565.6283253	593.0606834	456.3306456	546.8284764
Pzr2s	2.1963269	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696
Emc6	1060.375626	666.5959504	1309.255038	1046.352628	949.4153032	1137.691571	991.3691215	1200.121987	1119.592214	683.176523	1041.902516	1041.902516	1052.324129	1120.433314	977.2493139
Tax1bp3	61.35166426	76.05571282	83.01509722	71.59681838	80.43713202	84.87094949	78.47963019	76.26457519	73.76580411	71.65996145	73.76580411	76.5152664	65.2375468	62.3457096	76.8865269
Ctns	75.08711426	94.27917901	128.4384523	87.9618608	103.2380088	95.93280734	80.1704075	92.18814414	108.3476337	90.3011855	101.2081648	91.09045116	74.13335642	83.0661291	84.79074929
Trp4	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849	2.16379849
Rpl1ga2e2	8.241258334	20.59881222	25.0611642	25.8782359	20.0090870	16.83930734	21.64856315	10.84968217	51.4484735	10.48862363	6.621094851	32.09853938	36.63962555	36.14218606	25.86584919
Cliu	3589.02308	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358	3699.86358
Math1b1	3599.55589	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789	3645.639789
Pentf1b	1258.165686	1226.421589	1260.068394	1192.126218	1241.391959	1227.04747	1241.179106	1336.728051	1285.123231	3375.521699	337.324453	1175.500584	1175.024271	1168.489055	1180.60399
Trp4	885.4794977	753.4411701	847.3895250	840.1815147	644.1304194	655.820973	707.2187564	548.594786	640.7146511	592.0077115	633.733682	621.1501241	694.2237051	645.1380212	646.7001408
Tsgr1	139.1856852	155.2833537	158.9814728	169.3405557	134.2730078	159.2207069	130.7993836	160.0721365	175.3124906	166.0413741	184.4447863	113.6468191	143.1501649	132.8225338	128.6232553
Sqm2	1407.425492	1412.603311	1423.787233	1366.373321	1335.129719	1386.613175	1433.380632	1635.920473	1704.790042	1624.58376	174.191137	1367.224295	1314.766098	1238.727427	1328.627927
Smor91a	1.831392592	2.376786026	0	0	0.063363244	0.701412806	3.608258899	2.514220399	0.752441123	5.243418113	1.891741398	5.205168368	0	1.807109030	0
Sr1	32.04937895	28.52143231	28.1930866	41.40525214	43.0887001	35.07064029	39.69849415	37.11333059	30.0956499	33.20827462	39.66324667	37.30370857	38.34379418	35.23863141	46.70576868
Smg6	781.098908	907.1339997	816.054069	865.357213	888.6065317	782.7766912	864.331739	762.647519	825.396225	716.596145	694.2509229	957.710293	1021.103447	896.323244	1001.680547
Hc1	41.20634167	30.10595632	28.9766979	16.38957897	15.20071786	25.95227378	24.3557473	87.9977137	36.11587788	42.82119648	37.83482795	26.02584319	23.00627651	12.64975612	27.30546553
Orca2	151.0099195	179.8434759	156.632589	171.1548977	143.100932	130.4627819	184.9232665	136.606041	163.273846	124.9678916	155.127946	140.096656	144.8543336	136.347524	161.6772762
Dpl1	224.024405	429.562537	295.310582	263.095873	228.7779431	277.7594711	262.4308424	266.3549594	259.5488848	249.7098645	203.869105	232.619308	267.4521769	245.030841	245.030841
Tnfr14	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048	15.002134048
Rhpl	452.456315	480.614916	484.758091	5037.630911	5113.774834	4931.63347	4803.406498	5486.870563	5549.805688	5299.341593	5491.725277	5186.950447	5309.337368	5296.637368	4890.557693
Smyd4	188.6334752	180.6357379	183.2597429	188.9114629	220.410049	197.5521725	160.2166202	176.8173188	184.3933154	249.7098645	191.5314644	243.781631	191.5314644	227.6654792	227.6654792
Serpinf1	12.81975074	6.338090668	16.4638781	18.11479781	6.01807946	7.014128057	6.341530033	11.73303618	21.06795943	18.35194135	15.13393118	11.2776538	2.556254925	1.728437213	1.958987911
Wdr13	357.127804	408.018384	396.2479615	452.8699453	379.3648533	382.2699791	359.4236212	340.2350943	451.6853966	411.6078724	351.8689989	378.2422543	403.8678954	444.5888886	419.523254
Htr2Zh2	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074	12.81975074
Tlcd1	89.73825519	76.8494182	73.61716168	70.73397241	65.8697774	62.42573971	68.9217776	106.090313	77.7777253	95.8706988	83.2826982	73.6146609	78.6025469	51.7367388	78.6025469
Rp18	12313.37059	11498.89076	11500.72361	12639.81583	1176.3992	1107.10973	1225.5208	14140.82282	13553.98	12882.18892	13844.70942	11728.98	12149.87502	11224.85944	11936.0944
Pp4	3667.865926	23.7786026	1.566325989	2.17521839	0	2.896551223	0.902004715	0.838074013	4.51448735	0	1.891741398	0.867521198	5.112505891	2.71066395	1.437131344
Scar15	2.1963269	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696	3.9632696
Sc1a2a2	693.1822365	873.8649594	805.0898107	855.7085443	879.1081831	714.739549	896.6235595	598.3844353	721.5651346	240.4703979	781.2891972	893.5539495	863.161117	1005.65627	875.9315541
Pitpna	4062.945289	3848.088087	4079.487183	4164.678278	4106.093913	4146.051095	4163.226659	4486.820713	4186.427013	4116.078274	421.016351	4254.357833	425.021561	398.918764	398.918764
Om12338	42.12203815	29.31369431	27.41064351	42.2678156	41.80197412	29.4593378	39.6904745	31.8486125	33.89583652	56.80362798	26.48437957	30.3634872	33.47174322	33.43152211	30.17975822
Vppk3	595.827819	533.8639849	587.129378	609.482359	639.684788	639.684788	639.684788	639.684788	639.684788	639.684788	639.684788	639.684788	639.684788	639.684788	639.684788
Uda1	1440.547535	1399.134707	1455.543653	1262.767985	1255.557879	1198.458495	1234.249594	1194.016773	1355.078335	1265.520866	1265.520866	1265.520866	1265.520866	1265.520866	1265.520866
Crk	81.30170827	74.155724	81.3550111	72.3729301	66.0644108	75.3173533	76.6141137	67.4634917	87.6706711	853.8022236	854.121241	771.2324865	763.4675464	721.036612	741.5597735
Ywhae	12131.46698	11655.78667	11965.13826	11671.10545	11349.23597	11008.64399	12063.32103	12307.11888	11713.99481	12433.0031	12148.76326	11699.4804	1124.95741	11678.4378	11654.4163
Rhplad	2.74708945	36.6513709	49.3391165	40.2564272	34.84394784	31.5635766	36.0825859	37.11333059	40.0632662	36.45168663	26.48437957	62.4620236	45.45630007	30.7028851	25.8638491
170001810Rk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fam101b	31.13568037	27.7291703	31.32645718	32.77019575	31.03478997	42.08476834	36.46075831	51.96058881	67.17271003	41.94729451	62.42746612	64.38418046	38.34379418	37.04574071	1.07588522
Vps53	809.4756897	707.108862	911.5997468	100.5226767	101.7049527	85.230687	81.188043	834.721717	869.0383116	866.9107532	906.1441294	822.4166448	958.909897	925.2399632	804.7935526
Fam57a	10.61423095	94.27917901	97.11200502	80.02293763	81.70385851	87.6766071	98.32050931	84.64547532	94.08417945	88.26409868	83.23662149	76.9067744	74.98349173	70.4776282	100.6263254
Gem14	1187.558337	403.209665	1182.573555	1215.416672	1169.821912	1080.871314	1269.952404	1380.080471	1196.334845	1211.228129	1246.520866	1144.534516	116.680476	1052.61169	1095.81295
Glod4	101.844612	853.266182	97.8645031	902.289453	881.7754479	827.5575303	881.925204	961.270989	875.8100387	902.7403789	902.7403789	902.7403789	902.7403789	902.7403789	902.7403789
Nmn	59.02328741	298.682722	332.445164	282.358986	258.4122037	303.711449	257.995084	324.3466341	349.1205129	329.893558	324.1857351	327.200737	255.705964	298.2047539	298.2047539
Nnn	59.02328741	594.1965064	584.238527	603.826538	489.5897878	657.9252118	577.459587	547.4988321	731.3465721	602.9923585	615.5420707	552.6154			

Dusp14	76.00280797	47.53572051	48.55600266	56.06961228	39.90188439	42.08476834	37.88671802	79.61703124	45.14448735	78.6511772	74.7237852	59.85943933	40.04796281	51.50261514	35.20971793
Adad2	362.6158067	325.619685	346.1572922	343.318549	320.747638	319.8442394	327.4449451	367.914917	368.740859	395.030899	321.8529274	337.425388	361.4218606	375.0912808	
Tada	328.8825605	322.586036	326.420366	3363.314127	2857.74959	275.14861	275.14861	374.767059	334.872056	355.954525	307.789721	386.474401	368.653761	2803.72388	
137345	1044.201327	1104.320774	1104.320774	1017.35752	1015.91432	1017.35752	1017.35752	1017.35752	1017.35752	1017.35752	1017.35752	1017.35752	1017.35752	1017.35752	1017.35752
Mrs1	380.9297363	360.4792139	339.1088405	326.92897	292.613819	305.1145705	281.444191	303.382792	326.5477292	275.2791202	322.5419803	299.2971967	315.271966	250.2846385	273.054953
Dhrrn1	160.2468843	161.6214497	217.7188399	199.2671799	211.5433236	187.2772191	212.870993	212.870993	212.870993	212.870993	212.870993	212.870993	212.870993	212.870993	212.870993
4930502E09Rik	0	0	0.78310216	1.7251839	0	2.856551223	0.902064715	2.51422039	0	0	0	0	0	0	2.156697016
Cglnp2	1697.54011	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921	1891.12921
Gngbp2os	6.029875371	8.71482094	5.48212961	8.62609417	12.0396164	10.5219209	13.3079072	7.52666117	9.028969471	5.24341183	6.145070988	8.25016838	9.37927467	10.42655682	12.21561642
Pigw	89.78825519	103.7862321	127.137619	83.16731371	90.5704391	88.9920561	89.3040676	108.8496217	109.8524619	96.19231658	66.21094891	91.95797927	81.8009426	75.8274877	63.23371793
Myo19	314.9958997	324.827423	309.3487133	313.4200005	267.8126523	232.1676387	263.4028967	364.675972	428.8790499	389.7602781	392.53634	256.9207814	278.6317311	282.8126059	295.3304912
Ins2	319.5780712	255.1258365	339.1088405	326.92897	292.613819	305.1145705	281.444191	303.382792	326.5477292	275.2791202	322.5419803	299.2971967	315.271966	250.2846385	273.054953
Usp32	423.967471	472.188157	466.7641315	499.450584	422.452398	430.6674627	464.553281	484.406795	504.868763	522.593774	496.5821169	583.146515	490.800565	488.8230655	500.8402734
Appb2	742.6587469	850.0971351	945.2756824	915.5416413	723.9341873	792.5964705	810.477914	1040.87924	928.4707673	917.5807073	978.0303025	873.600803	889.576025	780.0619643	880.619168
Appb2os	4.57848208	5.54583406	5.48212961	9.48870361	1.90008973	4.20847683	7.216517718	5.028444078	11.28621184	2.621705907	1.891741398	1.73506213	5.96459026	0.90355462	7.18565672
Ppmid1	58.1174332	58.2453098	54.92118739	54.1781715	49.1232406	48.6439518	48.040043	68.2163205	68.2439602	63.0053196	558.0637123	450.2470872	510.3985408	454.4879897	430.4203875
Bcas3	247.22502	222.652644	206.7545192	219.361006	209.039076	205.513921	244.495931	199.616151	209.784725	198.6328467	198.6328467	214.2794423	202.79657	242.1525465	241.430658
Tbx2	1.83312963	0	0.78316124	3.45043769	0	0.701412806	0	2.51422039	0	0.873901969	1.891741398	0.867528106	0	0	5.748525376
B61	645.6561095	640.939649	643.7585841	692.675364	661.8645903	645.2997813	663.0175654	667.705068	669.759865	675.3516789	628.0903489	679.1111992	700.25485	704.1943585	
Brip1os	1489.8316	1621.760331	1597.707815	1441.931637	1508.671248	1461.744287	1482.09226	1560.459312	1522.13377	1507.480896	1475.55829	1411.68829	1328.399447	1419.484398	1351.622049
Ins2	825.952254	643.1590391	785.5107784	770.102117	747.3698202	727.3650795	758.6364251	899.3534929	830.2080705	833.5743797	786.6299922	836.7467975	808.6814132	796.8893302	
Med13	150.6275926	140.1511543	155.142524	1404.039515	1311.695279	1438.297308	1498.229481	1438.297308	1479.246165	127.967149	1308.139176	147.127668	1443.43083	1353.35775	1232.34017
Rnf11	481.653493	507.8399475	559.936266	506.6961228	520.424968	529.5666683	51.7851463	565.5380328	630.5230437	555.8016522	577.9269969	570.934349	501.5715265	607.1887259	538.2056883
Prg5kbl1	1262.74548	1267.9214	1394.027104	1324.698809	1228.724698	1308.836295	1334.153713	1211.016949	1210.60534	1384.260719	1300.572211	1300.999912	1368.44771	1344.489322	1348.747766
Tubd1	127.1323295	149.7375196	137.8363878	125.078358	165.307668	147.998102	144.3303544	155.433949	160.093013	95.2533141	135.2595999	147.7197781	149.085715	122.8747299	
Rmp1	1075.581479	1052.5897	1052.5897	1049.93354	1055.346529	1055.346529	1055.346529	1055.346529	1055.346529	1055.346529	1055.346529	1055.346529	1055.346529	1055.346529	1055.346529
Prhr2	423.1224358	404.845863	374.837439	441.6560229	425.263458	443.833554	423.9701494	455.0471891	435.647777	458.7985337	447.3968405	407.798561	414.905515	384.0107269	352.8157449
Ctlc	8150.614382	7831.859928	7750.947332	8312.966977	710.931473	6826.85038	7711.751283	8881.463063	8902.130439	7729.675427	7937.165299	7937.165299	7937.165299	7937.165299	7937.165299
Dhx40	52.1649784	564.059001	561.5268641	598.833154	505.428689	524.566728	510.568628	473.511874	512.149914	503.367341	558.0637123	450.2470872	510.3985408	454.4879897	430.4203875
Ypzd	39.73216278	30.89827133	43.85703249	40.5428722	25.9678807	25.9527738	27.9640681	31.8468129	29.34145078	48.0017679	45.40179354	42.5088772	34.35307676	42.39537465	
Idp41	37.12398945	32.4827423	28.1930846	35.4652424	30.1008973	32.7964692	32.648053	39.1253437	42.8236648	48.0017679	45.40179354	42.5088772	34.35307676	42.39537465	
Smg8	897.3852519	737.247203	841.677463	802.2267603	828.4391235	765.427838	873.617693	851.4831973	942.7749956	934.476644	953.4374648	748.5442838	832.4863759	791.6356724	845.7517959
Prk1	58.14628012	495.9608382	986.006088	954.9086276	936.644238	913.239473	915.724869	916.8520793	925.4693708	954.930805	960.058793	971.631479	1025.909515	983.6074609	947.7882133
Shw2	373.604165	518.913516	488.6926748	445.96907	490.856543	477.6621207	502.450041	516.253592	472.516069	464.9151945	465.3683838	490.15338	476.3151322	472.097645	
Wp1	0.9320682	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504	0.792326504
Trim37	975.2167529	1014.095371	1077.629941	1057.559148	981.7313028	859.9320998	938.1473034	938.1473034	938.1473034	938.1473034	938.1473034	938.1473034	938.1473034	938.1473034	938.1473034
Ppm1e	5.004784648	12.67619214	5.48212961	12.07653188	9.500448648	5.613200446	5.028444078	16.5531077	20.97364725	26.48437957	5.954280916	10.64597268	5.954280916	10.64597268	10.64597268
Rad51c	3.67779463	6.17964366	58.73709709	43.9930084	58.26941847	58.71276287	49.61355931	63.43169901	63.9552004	52.4431813	5.469050053	68.347204	54.5333971	66.86304422	65.3894716
Ec14	0.632779629	1.58452158	3.98212961	0.632779629	0.632779629	0.632779629	0.632779629	0.632779629	0.632779629	0.632779629	0.632779629	0.632779629	0.632779629	0.632779629	0.632779629
Naip1	10.504784648	12.67619214	5.48212961	12.07653188	9.500448648	5.613200446	5.028444078	16.5531077	20.97364725	26.48437957	5.954280916	10.64597268	5.954280916	10.64597268	10.64597268
Rnf4	0	545.755103	457.9274409	54.5871895	60.6095203	529.4916722	561.1302446	543.945023	694.7633658	687.706508	668.5350062	685.756259	662.930239	616.6569599	557.49322
Mtm4	131.8602933	139.481135	140.969033	147.5062108	110.2052405	112.9274617	133.505778	93.8642894	93.939512	105.742182	138.8974138	131.8647232	138.8974138	150.8936248	170.048586
Supf4a	140.478403	176.1591019	134.603749	181.962683	198.768868	193.7075495	172.594393	168.619463	183.5468129	173.073702	1468.80048	1559.86239	1557.370314	1394.184827	172.7179805
Mr12d	9.50714403	21.4535456	11.4535456	15.8912925	15.8912925	15.8912925	15.8912925	15.8912925	15.8912925	15.8912925	15.8912925	15.8912925	15.8912925	15.8912925	15.8912925
Bzrnp1	20.1279839	39.6133043	46.9899767	33.6417637	46.8888008	43.9870325	73.9593061	62.0174769	47.42009972	67.1732707	17.3234544	71.13730471	77.5396728	59.634607	77.6050257
Mks1	112.6306672	97.48422705	116.109329	124.5176121	102.876718	120.876718	119.0065099	118.841314	143.1392229	134.316392	129.2616878	97.9896642	127.4012059	104.9105881	
Dy11d1	2572.19147	2501.963423	2534.309499	2437.73422	2367.511807	2429.693959	2416.631731	2664.237287	2826.067444	2776.38655	2543.466309	2547.930048	2450.59449	2644.700456	2376.29671
Srsf1	9885.85921	10136.9824	10770.5027	10107.5027	10035.4649	10090.84268	10042.30114	11270.41333	10901.72822	10901.72822	11106.41374	10658.84851	10901.72822	101218.59412	10222.31525
Ucp1	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882	750.7271882
Cued1	65.929236	63.1751089	64.21922615	59.5200496	57.0206918	103.809952	91.10653189	42.7417767	72.1506875	68.40646029	66.21094891	73.7388903	85.7891775	74.9950368	65.3894715
Mps2	1210.550749	1188.390131	1252.247401	1255.99315	1274.326847	1274.326847	1274.326847	1274.326847	1274.326847	1274.326847	1274.326847	1274.326847	1274.326847	1274.326847	1274.326847
Mr22	1285.63786	1164.62513	1297.698265	1186.950561	1160.95427	1199.41589	1333.37								

Ppprt1rb	6.409875371	7.130358077	2.344043883	2.587828259	9.500448664	4.208476834	2.706194144	5.028444078	6.717727103	4.369509845	14.18806048	4.337840531	7.668758836	11.74621047	5.029959704
Stard3	43.78722117	44.4589868	49.7209999	339.1428925	432.5870958	387.198688	434.7951205	408.9801814	352.8822235	320.7222266	506.9180292	385.1824792	404.7400497	420.152913	7.138565704
Topg	0	0.76226260	0	0	0	0	0	0	0	0	0	0	0	0	0
Casc3	176.580139	180.635730	156.740041	187.1862441	210.2765911	160.6253525	196.452335	172.11102	177.7883493	177.1586879	148.5016997	177.3067377	208.7606372	181.614485	480.3599837
Erbnt2	0	0	0.783161294	0	0	0	0.902064715	0.380740131	0	1.747803938	10.40457769	0	0.852084315	0	0
Mien1	421.2203815	442.874628	425.2568229	424.5186323	483.2561554	401.2081249	419.4600924	436.636569	449.1912312	425.5984257	445.6818144	437.2341656	422.6338203	411.713665	441.1993226
Ph	11.90405426	15.84524017	11.7414194	19.84001665	18.36753408	14.7696892	22.55161787	12.5711102	19.78138394	24.46295313	15.13938118	15.61505991	10.22051178	19.93910167	7.138565704
Zhp2	14.9513869	14.91458746	13.52180272	13.52180272	13.52180272	13.52180272	13.52180272	13.52180272	13.52180272	13.52180272	13.52180272	13.52180272	13.52180272	13.52180272	13.52180272
Ormd3	73.25571853	10.29490611	9.39735534	8.625094197	7.600359931	12.6254035	8.11623433	9.21881414	9.78138394	5.24341813	6.621094891	8.675281063	9.433827621	6.324885251	10.05991941
Pnm3d	537.1216278	369.986358	433.0881699	401.9759896	385.7770431	377.5522772	364.9626414	399.5318991	441.8217293	393.8186999	419.8836034	397.9237952	425.5742049	379.4026748	
Phz2	5702.957687	5514.143579	5724.125901	5509.486385	5434.259636	5395.495248	5364.537565	6063.465484	5990.534259	6105.079155	5952.364307	5952.364307	5539.879287	5314.708461	5341.565731
Phz3	1402.307555	1317.221787	1291.221787	1291.221787	1291.221787	1291.221787	1291.221787	1291.221787	1291.221787	1291.221787	1291.221787	1291.221787	1291.221787	1291.221787	1291.221787
Tha	75.08711149	75.26489801	75.56664557	69.00875357	74.10349658	68.4386777	68.2505391	67.5827290	61.6975805	47.19070532	46.34768412	91.09045116	62.20215501	80.41633639	93.41335736
Trid	41.20634167	58.62738863	56.376132	50.89395674	56.3531579	54.0087864	50.51562403	48.8029276	44.39243233	38.45168663	46.84651774	59.64569206	42.39672328	42.39672328	42.39672328
Ms1l	1324.097112	1432.409711	1437.143174	1561.981049	1471.981049	1508.738945	1443.303544	1541.022323	1689.092112	1577.393054	1630.083121	1653.043571	1571.281359	1659.80672	1659.80672
OmC2359	4.578482408	7.614882904	3.132645178	2.587625259	11.4005384	14.0285611	9.00264715	1.676148026	6.71727103	2.621705907	1.891741398	3.470112425	5.112058991	9.939101167	3.59282836
Casc3	1766.744279	1858.612473	1745.784073	1684.428606	1684.022417	1722.014511	1754.520983	1747.658007	1731.1398	1870.445078	1746.354078	1711.837398	1576.702887	1576.702887	1576.702887
RappeH1	9.156964816	5.54838406	3.132645178	4.31304708	7.600359931	4.90989864	6.314453003	1.676148026	6.019312981	11.3607256	0.945870699	12.14539349	6.81667452	9.03554615	7.18565276
Wpif2	945.9144655	988.125715	913.942307	857.4337631	799.3044143	801.3210113	827.322528	862.8731594	993.9350499	847.6840988	884.8786684	855.4926524	887.0815829	897.485243	
Cdc5	1537.354395	1445.08904	1449.631556	1483.688202	1520.330347	1344.608349	1359.411255	1692.909506	15426.270678	1609.727427	1641.065662	1363.754183	1307.097339	1330.936002	1225.154471
Casc3	1766.744279	1858.612473	1745.784073	1684.428606	1684.022417	1722.014511	1754.520983	1747.658007	1731.1398	1870.445078	1746.354078	1711.837398	1576.702887	1576.702887	1576.702887
RappeH1	9.156964816	5.54838406	3.132645178	4.31304708	7.600359931	4.90989864	6.314453003	1.676148026	6.019312981	11.3607256	0.945870699	12.14539349	6.81667452	9.03554615	7.18565276
Wpif2	945.9144655	988.125715	913.942307	857.4337631	799.3044143	801.3210113	827.322528	862.8731594	993.9350499	847.6840988	884.8786684	855.4926524	887.0815829	897.485243	
Cdc5	1537.354395	1445.08904	1449.631556	1483.688202	1520.330347	1344.608349	1359.411255	1692.909506	15426.270678	1609.727427	1641.065662	1363.754183	1307.097339	1330.936002	1225.154471
Casc3	1766.744279	1858.612473	1745.784073	1684.428606	1684.022417	1722.014511	1754.520983	1747.658007	1731.1398	1870.445078	1746.354078	1711.837398	1576.702887	1576.702887	1576.702887
RappeH1	9.156964816	5.54838406	3.132645178	4.31304708	7.600359931	4.90989864	6.314453003	1.676148026	6.019312981	11.3607256	0.945870699	12.14539349	6.81667452	9.03554615	7.18565276
Wpif2	945.9144655	988.125715	913.942307	857.4337631	799.3044143	801.3210113	827.322528	862.8731594	993.9350499	847.6840988	884.8786684	855.4926524	887.0815829	897.485243	
Cdc5	1537.354395	1445.08904	1449.631556	1483.688202	1520.330347	1344.608349	1359.411255	1692.909506	15426.270678	1609.727427	1641.065662	1363.754183	1307.097339	1330.936002	1225.154471
Casc3	1766.744279	1858.612473	1745.784073	1684.428606	1684.022417	1722.014511	1754.520983	1747.658007	1731.1398	1870.445078	1746.354078	1711.837398	1576.702887	1576.702887	1576.702887
RappeH1	9.156964816	5.54838406	3.132645178	4.31304708	7.600359931	4.90989864	6.314453003	1.676148026	6.019312981	11.3607256	0.945870699	12.14539349	6.81667452	9.03554615	7.18565276
Wpif2	945.9144655	988.125715	913.942307	857.4337631	799.3044143	801.3210113	827.322528	862.8731594	993.9350499	847.6840988	884.8786684	855.4926524	887.0815829	897.485243	
Cdc5	1537.354395	1445.08904	1449.631556	1483.688202	1520.330347	1344.608349	1359.411255	1692.909506	15426.270678	1609.727427	1641.065662	1363.754183	1307.097339	1330.936002	1225.154471
Casc3	1766.744279	1858.612473	1745.784073	1684.428606	1684.022417	1722.014511	1754.520983	1747.658007	1731.1398	1870.445078	1746.354078	1711.837398	1576.702887	1576.702887	1576.702887
RappeH1	9.156964816	5.54838406	3.132645178	4.31304708	7.600359931	4.90989864	6.314453003	1.676148026	6.019312981	11.3607256	0.945870699	12.14539349	6.81667452	9.03554615	7.18565276
Wpif2	945.9144655	988.125715	913.942307	857.4337631	799.3044143	801.3210113	827.322528	862.8731594	993.9350499	847.6840988	884.8786684	855.4926524	887.0815829	897.485243	
Cdc5	1537.354395	1445.08904	1449.631556	1483.688202	1520.330347	1344.608349	1359.411255	1692.909506	15426.270678	1609.727427	1641.065662	1363.754183	1307.097339	1330.936002	1225.154471
Casc3	1766.744279	1858.612473	1745.784073	1684.428606	1684.022417	1722.014511	1754.520983	1747.658007	1731.1398	1870.445078	1746.354078	1711.837398	1576.702887	1576.702887	1576.702887
RappeH1	9.156964816	5.54838406	3.132645178	4.31304708	7.600359931	4.90989864	6.314453003	1.676148026	6.019312981	11.3607256	0.945870699	12.14539349	6.81667452	9.03554615	7.18565276
Wpif2	945.9144655	988.125715	913.942307	857.4337631	799.3044143	801.3210113	827.322528	862.8731594	993.9350499	847.6840988	884.8786684	855.4926524	887.0815829	897.485243	
Cdc5	1537.354395	1445.08904	1449.631556	1483.688202	1520.330347	1344.608349	1359.411255	1692.909506	15426.270678	1609.727427	1641.065662	1363.754183	1307.097339	1330.936002	1225.154471
Casc3	1766.744279	1858.612473	1745.784073	1684.428606	1684.022417	1722.014511	1754.520983	1747.658007	1731.1398	1870.445078	1746.354078	1711.837398	1576.702887	1576.702887	1576.702887
RappeH1	9.156964816	5.54838406	3.132645178	4.31304708	7.600359931	4.90989864	6.314453003	1.676148026	6.019312981	11.3607256	0.945870699	12.14539349	6.81667452	9.03554615	7.18565276
Wpif2	945.9144655	988.125715	913.942307	857.4337631	799.3044143	801.3210113	827.322528	862.8731594	993.9350499	847.6840988	884.8786684	855.4926524	887.0815829	897.485243	
Cdc5	1537.354395	1445.08904	1449.631556	1483.688202	1520.330347	1344.608349	1359.411255	1692.909506	15426.270678	1609.727427	1641.065662	1363.754183	1307.097339	1330.936002	1225.154471
Casc3	1766.744279	1858.612473	1745.784073	1684.428606	1684.022417	1722.014511	1754.520983	1747.658007	1731.1398	1870.445078	1746.354078	1711.837398	1576.702887	1576.702887	1576.702887
RappeH1	9.156964816	5.54838406	3.132645178	4.31304708	7.600359931	4.90989864	6.314453003	1.676148026	6.019312981	11.3607256	0.945870699	12.14539349	6.81667452	9.03554615	7.18565276
Wpif2	945.9144655	988.125715	913.942307	857.4337631	799.3044143	801.3210113	827.322528	862.8731594	993.9350499	847.6840988	884.8786684	855.4926524	887.0815829	897.485243	
Cdc5	1537.354395	1445.08904	1449.631556	1483.688202	1520.330347	1344.608349	1359.411255	1692.909506	15426.270678	1609.727427	1641.065662	1363.754183	1307.097339	1330.936002	1225.154471
Casc3	1766.744279	1858.612473	1745.784073	1684.428606	1684.022417	1722.014511	1754.520983	1747.658007	1731.1398	1870.445078	1746.354078	1711.837398	1576.702887	1576.702887	1576.702887
RappeH1	9.156964816	5.54838406	3.132645178	4.31304708	7.600359931	4.90989864	6.314453003	1.676148026	6.019312981	11.3607256	0.945870699	12.14539349	6.81667452	9.03554615	7.18565276
Wpif2	945.9144655	988.125715	913.942307	857.4337631	799.3044143	801.3210113	827.322528	862.8731594	993.9350499	847.6840988	884.8786684	855.4926524	887.0815829	897.485243	
Cdc5	1537.354395														

kmnyr2	232.586903	232.925005	262.359037	267.401201	286.915349	241.280052	297.792912	292.847808	254.351974	240.323044	261.898482	296.827082	297.377426	226.792712	279.522064
Isdp	3.66278596	7.13035077	2.34948383	2.58782629	1.26672489	2.10423841	2.70619414	1.67614802	0.75241123	2.54341813	5.76221949	1.73566213	4.26021576	1.80710933	0
Er1a	2.74078045	7.92260085	10.1810963	7.7634477	0.6333264	2.80655123	0.90204715	5.02844407	5.26688888	3.49650787	0	4.33765031	1.70416883	4.51777328	0.17856672
En1	368.976982	381.078261	31.9734846	90.131299	267.546919	307.902021	70.702003	340.478139	346.862915	326.452278	317.812548	389.754875	286.956828	269.173035	266.743536
En2	46.186521	45.454126	27.734651	27.734651	27.734651	27.734651	27.734651	27.734651	27.734651	27.734651	27.734651	27.734651	27.734651	27.734651	27.734651
En3	2083.2096	2044.82244	2164.645108	192.01397	192.01397	192.01397	192.01397	192.01397	192.01397	192.01397	192.01397	192.01397	192.01397	192.01397	192.01397
En4	0.15056482	0	0	0	1.75251839	1.90008793	0.7041286	5.41032574	0	0.0095649	0	0.86752063	0	1.80710933	0.15669016
En5	0.15056482	1.58452407	0.78316214	0.8629042	1.90008793	2.80655123	0.90204715	5.86651809	0	1.74703938	0	0.86752063	4.26021576	0.90354652	2.87426688
En6	0.15056482	0.15056482	478.51155045	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482
En7	10.9835778	7.13035077	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482
En8	0.62785926	30.1059532	30.5429048	43.1304708	24.701665	34.3692274	16.1598763	31.846215	30.095649	30.585691	0	34.9971558	16.4830342	28.118724	40.2396763
En9	50.6359157	95.0714402	111.2089038	83.6731317	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515
En10	0.79252608	0	0.79252608	0	0.79252608	0	0.79252608	0	0.79252608	0	0.79252608	0	0.79252608	0	0.79252608
En11	39.5564298	299.813925	277.239098	303.538517	277.239098	303.538517	277.239098	303.538517	277.239098	303.538517	277.239098	303.538517	277.239098	303.538517	277.239098
En12	45.7848248	0.97262209	8.61147239	6.90087357	2.53453297	0.7041286	3.66025889	5.86651809	5.41032574	1.74703938	0	1.73566213	0	0.90354652	4.31394032
En13	32.9507334	27.717903	26.6274801	30.1913269	16.4674435	18.267339	7.21657177	46.9321447	21.8200955	45.4429028	22.7008967	16.4830342	0.85208435	19.8702233	2.87426688
En14	464.859883	601.328645	501.222285	524.466521	42.212354	43.943936	518.887211	49.988659	513.1464316	427.330628	398.215462	485.817395	485.425432	402.396763	0
En15	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123	1086.13123
En16	504.741889	1.58452407	0.78316214	0.8629042	1.90008793	2.80655123	0.90204715	5.86651809	5.41032574	1.74703938	0	1.73566213	0	0.90354652	2.87426688
En17	57.2491083	70.704394	70.704394	70.704394	70.704394	70.704394	70.704394	70.704394	70.704394	70.704394	70.704394	70.704394	70.704394	70.704394	70.704394
En18	234.418293	239.261123	245.128482	275.128482	275.128482	275.128482	275.128482	275.128482	275.128482	275.128482	275.128482	275.128482	275.128482	275.128482	275.128482
En19	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482	449.128482
En20	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103	578.720103
En21	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933	412.812933
En22	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242	113.235242
En23	118.124861	104.578951	115.907816	106.109986	106.109986	106.109986	106.109986	106.109986	106.109986	106.109986	106.109986	106.109986	106.109986	106.109986	106.109986
En24	162.087272	152.906576	173.718529	142.215564	108.5918413	117.837354	135.309702	175.995547	124.900743	169.536862	175.931915	132.731803	141.489963	106.614889	132.934493
En25	461.3213	310.01913	310.01913	310.01913	310.01913	310.01913	310.01913	310.01913	310.01913	310.01913	310.01913	310.01913	310.01913	310.01913	310.01913
En26	602.024638	769.264184	713.712519	722.866937	693.532755	750.517021	755.028163	760.686731	752.414126	693.042513	679.153167	785.112962	701.633188	825.849515	698.852945
En27	595.101153	425.444898	422.486314	415.7777403	453.488028	444.695178	386.905621	381.323475	384.483166	414.229533	361.051046	397.327877	463.538874	473.462374	412.786271
En28	113.547491	124.222339	139.715979	149.715979	149.715979	149.715979	149.715979	149.715979	149.715979	149.715979	149.715979	149.715979	149.715979	149.715979	149.715979
En29	49.147375	95.0714402	111.2089038	83.6731317	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515	117.071515
En30	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954	34.76.89954
En31	82.41268334	110.916682	150.966652	88.8477022	70.9366836	90.9335478	95.6188977	133.257193	52.5460738	110.1116481	109.7210011	78.0775297	88.6167788	104.254663	64.6709148
En32	217.935762	171.920858	162.787543	163.895789	167.074846	162.777077	199.356302	180.189128	137.717997	160.779623	170.256728	176.975737	184.854336	140.00971	150.180254
En33	183.854333	170.331263	170.331263	170.331263	170.331263	170.331263	170.331263	170.331263	170.331263	170.331263	170.331263	170.331263	170.331263	170.331263	170.331263
En34	298.274829	264.9155108	280.851485	242.339249	248.911755	232.750685	260.696706	243.014638	287.316996	388.11793	329.521773	319.943656	310.323762	346.21834	354.31053
En35	2425.6798	2208.43128	2371.4214	2202.48942	228.568704	2306.57494	2719.835058	1851.69156	1993.74567	1874.98408	221.10622	2153.21704	2337.49884	221.53784	2337.49884
En36	0.15056482	0.15056482	2.7872716	2.58782629	8.2327216	4.2084763	3.60625889	5.86651809	5.41032574	1.74703938	0	1.73566213	0	0.90354652	4.31394032
En37	304.376253	393.496587	102.627554	896.251187	896.251187	896.251187	896.251187	896.251187	896.251187	896.251187	896.251187	896.251187	896.251187	896.251187	896.251187
En38	173.066635	159.244663	178.560715	175.109272	114.076766	204.111265	185.825312	171.805127	226.676959	207.988668	175.931915	220.352139	218.985669	210.528338	217.275386
En39	211.528782	240.847656	175.42813	171.659274	197.609332	191.485966	187.078428	163.424325	146.720759	208.825706	167.419137	184.783486	214.752474	197.091717	220.599613
En40	114.61325	115.41325	115.41325	115.41325	115.41325	115.41325	115.41325	115.41325	115.41325	115.41325	115.41325	115.41325	115.41325	115.41325	115.41325
En41	0.15056482	15.0529716	16.4339748	15.75665518	17.7417084	22.4452078	14.4330544	16.7140286	7.52414226	13.9842315	28.3761209	17.35062213	21.3021078	18.0710933	26.5862096
En42	30.4737463	420.6911265	426.0467142	414.9151309	331.953738	396.286232	397.8105392	407.037065	387.4932731	381.895104	364.7746029	392.902021	382.832423	420.152913	426.828091
En43	35.4588419	322.4506373	310.131872	300.189040	335.049152	303.711749	296.871224	304.258043	335.576987	360.921533	338.353478	288.019313	311.862959	280.101942	306.725419
En44	702.359214	636.785468	673.518133	602.967044	662.967044	607.424887	622.688917	652.053496	585.979129	646.074174	650.132425	608.052265	661.739045	661.739045	661.739045
En45	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293	27.181293
En46	3048.335287	2925.03133	2983.45435	274.99883	266.743532	282.105219	256.06607	247.206615	263.80174	300.102341	287.284536	297.450168	266.411628	278.027447	297.173276
En47	827.7896193	714.0399824	794.9087139	777.2110871	765.736162	750.511702	823.585068	873.769867	924.719567	806.611513	884.391304	884.0111403	933.032325	911.3920771	821.302631
En48	10.9835778	7.13035077	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482	0.15056482
En49	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127	117.254127
En50	794.82546	100.480437	905.343464	65.9007758	4.4557137	6.67712625	74.4719755	95.1368805	91.9259166	86.441471	86.6627061	82.1511701	794.99466	874.6400927	776.05297
En51	588.782369	100.634008	612.432132	546.631726	615.629074	613.261065	666.652472	679.6780246	645.5						

Map3k9	21.97751556	8.71482094	10.96425812	18.11479781	15.20071786	22.44520978	20.74748844	7.54266617	12.03862596	14.85633347	7.56696559	20.82067455	29.82295103	22.58886629	24.43123285
Pcnn	458.769373	477.739911	445.618776	454.595162	468.888008	453.373223	533.120244	458.424861	401.789145	405.4905136	360.367362	471.0677167	47.1271625	467.068768	467.068768
Sipa1	2235.512511	1988.57741	1879.587107	1979.688818	1761.716815	1655.334721	1740.12243	1660.41312	1740.12243	1660.41312	1740.12243	1740.12243	1740.12243	1740.12243	1740.12243
Dp3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dz4	311.811898	247.978007	317.963486	289.836765	258.4122037	248.300132	252.5781201	338.581903	385.2360308	356.5520033	325.3795204	271.5326204	161.5898848	284.6191752	294.6119255
Cyca1	241.554766	388.2083842	372.784772	389.899457	364.8172287	346.497926	341.899337	383.877898	394.1842654	354.8041964	386.8611158	367.8319171	372.3080457	329.7974478	362.2769375
Rbm25	3742.392078	4184.772929	4478.899443	4469.179403	4514.229519	4420.339584	4475.14305	4575.88411	4537.057181	4460.31971	4858.93717	4450.419185	4347.334176	4239.478425	4053.428956
Psmc2	1869.741474	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427	1754.127427
Pp25	39.37494871	43.5744107	21.14535495	44.85569882	37.3884311	38.57730413	43.29910631	51.1225148	36.11557788	22.7245119	26.84437957	39.90629299	38.3479418	43.83255094	43.83255094
Numb	366.275926	353.348858	385.3153569	357.1202997	357.1202997	382.783852	368.0424036	1062.791629	300.955649	300.955649	358.489498	359.1775202	363.993399	363.993399	363.993399
Fam1510	20.0159104	30.3372875	975.0388116	937.6564392	1054.687176	1038.183168	1106.83405	1081.601925	1054.85653	991.0043827	1031.027518	1002.903239	993.910167	979.450109	979.450109
Acot2	17.00178813	125.9405564	134.7037427	125.9405564	125.9405564	125.9405564	125.9405564	125.9405564	125.9405564	125.9405564	125.9405564	125.9405564	125.9405564	125.9405564	125.9405564
Hsc71	5.494178889	3.16904034	14.0969033	3.450437679	7.600558931	7.01412857	5.41238829	20.39350046	0.926869471	16.60431741	17.571545328	4.40837621	4.40837621	2.87426268	2.87426268
Acot4	0.159596482	0	1.566322589	0.82626942	0	4.208478634	0	1.566322589	0.82626942	0	1.566322589	0.82626942	0.713566215	0.713566215	0.713566215
Acot5	14.20352259	19.0142882	27.4106531	30.1913269	19.33993917	15.4308173	11.72884129	21.76992434	34.61104964	33.20827482	21.75502607	13.01295187	12.78126473	15.55331977	15.55331977
Dna1	33.88076682	26.9369629	23.4943883	25.87628259	17.73417084	18.9381457	19.83435901	24.3044638	24.9266605	50.6863142	53.1432683	18.21890933	30.67503255	34.35507676	29.46119255
Psmc1	4.78324086	7.13058077	7.83161249	12.0953788	6.96959897	5.97076409	4.51037202	0.83807303	17.54142325	3.49567078	2.8761607	5.20518683	1.70416863	1.70416863	1.70416863
Elmsn	100.856254	196.315633	187.27522	140.115957	113.889715	114.6.809937	118.562049	88.9195579	1081.975088	955.174852	115.799865	130.389122	122.888908	113.6671572	117.699177
Pip2	392.8337906	396.131043	396.6290989	411.4648632	365.405919	355.616295	398.7126026	429.931968	408.506886	440.912461	428.912461	386.0500073	375.769183	385.001273	376.5284121
Zfp410	557.6591573	633.616157	636.7101324	581.3887489	546.9600139	579.3669775	598.068959	652.6596662	638.0471759	658.9220846	681.9727738	629.8250462	596.4590206	647.3411061	647.4276704
Fam151b	10.98835778	15.05297616	10.96425812	7.76349477	17.100076	11.63865474	8.11058243	3.35229652	12.7910048	13.9642151	15.25550887	12.7910048	12.7910048	10.5991941	10.5991941
Ct1	33.4212623	320.07833	307.788063	347.784559	294.380067	302.809193	340.887876	388.752565	395.017414	324.4336457	307.924777	307.924777	312.6299047	326.9473807	326.9473807
Entpd5	76.0208797	367.743777	920.9976823	877.377398	877.377398	877.377398	877.377398	877.377398	877.377398	877.377398	877.377398	877.377398	877.377398	877.377398	877.377398
Ccd176	7.325571853	7.92260805	2.34948383	8.62609417	10.1381191	10.1381191	10.1381191	10.1381191	10.1381191	10.1381191	10.1381191	10.1381191	10.1381191	10.1381191	10.1381191
Rp113a2	321.409465	300.5667073	288.798679	287.0273202	310.981529	324.754129	326.547248	328.828496	267.107135	230.710108	237.4135454	297.5621405	259.039318	263.716166	263.716166
Udd1a1	22.7089629	32.48744235	28.1938067	27.603591	37.3884311	32.7964031	27.603591	37.3884311	32.7964031	27.603591	37.3884311	32.7964031	27.603591	37.3884311	37.3884311
Lin52	104.3839989	151.3220436	151.501298	128.538005	125.4055924	115.733129	110.752424	110.625769	122.645032	131.085293	138.4989156	129.796474	124.298006	121.076339	116.4076399
Abcd4	12.7033285	133.8922794	162.114388	135.4296789	127.3060121	134.6712587	132.603141	131.57762	148.9779663	126.7157855	153.2310532	150.0832624	144.8543336	159.923173	153.0544881
Vrtn	4.578482408	2.37678606	0.783161294	0.86260942	2.53452977	0.7041286	2.70619414	0	0	0	0	0.867528106	0	0.90954652	0
Synp11	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963	1.831392963
Smt15	319.8493037	255.473624	3225.058211	232.708792	9413.67287	320.38987	3591.11963	3823.48249	2550.68379	2370.896042	2189.690668	332.632697	318.795347	331.889182	331.889182
Iscad	261.8891937	315.006262	218.5020012	234.627621	245.115755	263.9290821	262.1705907	189.404772	194.1228436	229.8465798	227.1799547	227.1799547	243.6961141	233.1171001	235.6895044
Are1	130.8945899	1165.417415	1246.702781	1105.865276	1163.48828	1057.029098	1215.932762	1240.964518	1007.48251	977.893032	1038.595868	1145.10231	1242.387646	1199.28017	1199.28017
Fc1	989.887966	988.144174	964.071535	942.920567	948.878502	958.1293957	958.796855	941.157137	891.017053	107.277716	998.834579	973.366532	984.962323	984.962323	984.962323
Tpnm1	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098	1695.404098
Prox2	38.45925223	45.95119649	65.78554874	52.6191746	53.2051252	49.80039021	50.51562403	51.5288486	45.14484735	66.21094891	52.9192448	32.37920398	44.2717938	64.67091408	64.67091408
Dist	2623.4074	271.364259	2719.38104	2539.522131	2524.585892	2364.462568	2582.617248	2743.016245	2639.488742	2844.550099	3004.085339	2492.408249	2668.728075	2573.323648	2621.327571
Rp28b1	15.56894910	10.2940611	25.84432772	17.2521839	24.0678308	11.2260489	14.43303544	14.2475832	19.5627169	8.73901969	34.99721585	25.15831508	7.66875898	18.07109303	28.7426268
Pp3	5.5459312628	6.78305877	4.689897767	1.75236918	1.266728489	1.266728489	1.266728489	1.266728489	1.266728489	1.266728489	1.266728489	1.266728489	1.266728489	1.266728489	1.266728489
Rp28b2	1407.057327	123.126555	128.4.19563	128.4.19563	128.4.19563	128.4.19563	128.4.19563	128.4.19563	128.4.19563	128.4.19563	128.4.19563	128.4.19563	128.4.19563	128.4.19563	128.4.19563
Hf2b	17.3366635	247.1857467	17.10073882	175.1097122	209.098706	188.680047	190.335548	197.785478	163.2738646	212.3581784	213.766779	205.604162	197.683561	186.1325282	183.234264
Acyp1	70.50862398	95.07144102	97.11200562	106.4292531	119.7056532	66.63421654	99.22711863	92.96827279	79.03482719	76.02947129	61.90945116	104.803778	103.0052303	88.3387575	88.3387575
Zmch10	0	7.135058077	5.462129063	7.76347781	10.7671175	7.01412867	13.9412943	12.5711102	3.76207613	3.76207613	3.76207613	3.76207613	3.76207613	3.76207613	3.76207613
Nek5	2379.895156	2227.045898	245.105078	245.105078	245.105078	245.105078	245.105078	245.105078	245.105078	245.105078	245.105078	245.105078	245.105078	245.105078	245.105078
T2cd3	3645.38793	3455.846881	3575.914471	3401.75545	3178.21676	3171.779921	3207.948997	3303.687759	3497.973256	3521.820595	3488.371137	3473.315794	3409.189345	3297.47869	3297.47869
Fos	274.708945	202.819072	246.698078	196.674947	174.442516	175.352014	237.312049	139.958362	132.482556	145.067726	127.692544	104.096656	98.6314768	148.0611652	145.1502657
Jdp2	88.62255871	94.27917901	67.561873	91.4356988	69.6995867	69.9751879	79.3816949	54.7481085	46.649676	78.6511772	59.58985402	68.547204	68.6167678	68.6167678	68.6167678
Baf	54.16803226	53.8786374	55.8329707	55.8329707	55.8329707	55.8329707	55.8329707	55.8329707	55.8329707	55.8329707	55.8329707	55.8329707	55.8329707	55.8329707	55.8329707
Hsc7r	8.71482094	10.96425812	18.11479781	15.20071786	22.44520978	20.74748844	7.54266617	12.03862596	14.85633347	7.56696559	20.82067455	29.82295103	22.58886629	24.43123285	24.43123285
061007P14Rik	1201.393784	1198.692149	1563.087187	1127.586636	1203.390164	117.7873514	134.170231	1293.986726	1232.45433	1226.58564	1219.745167	1199.734717	1152.93575	1100.124404	1100.124404
Tf1b	429.427495	305.813353	347.277276	367.37404	277.413101	307.218809	286.81528	232.1465016	274.6311547	313.730808	406.7244005	330.342012	290.0410432	288.144325	288.144325
Tgfb	14.6511437	297.5758925	1.31264518	15.5269955	1.266728489	2.102428417	3.60825899	28.4451644	3.0095649						

Zfp39	95.2324308	112.5012052	128.4384523	107.826175	99.43802935	102.4062696	104.6395069	101.4069556	105.3379772	85.64239295	113.5044839	109.3085414	106.5105394	112.9443314	120.004672
Cinp	960.5656092	970.5209604	1005.579102	998.3590828	979.1081831	980.5751420	980.544345	1057.649404	1105.100651	998.896995	1105.722847	992.0886699	109.8781329	946.9252487	980.8471224
Tepr2	228.9241204	266.2003049	251.3947755	261.8505042	260.2807938	270.7648131	251.4223039	251.4223039	218.9525997	254.305473	230.7624055	212.1689045	178.930821	223.943824	178.930821
Ankr49	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697	84.9658697
Rcor1	930.3476253	1045.788551	1008.711747	1008.304192	909.5096188	913.239473	1002.193898	863.2162334	101.2822181	779.5205563	952.4917937	1072.264739	1017.388672	957.7679307	1061.321497
Q3049595D18R1k	1.831392962	4.753572051	0.783161294	0.630265938	0.036336244	1.40225611	0.902064715	0.0	0.112622184	0.0	0.620258439	1.7041663	0.0	6.324882561	0.50999704
Trd4	1324.091712	1295.343884	1340.772136	1444.008168	1462.43751	1375.470512	1548.81515	1331.699607	1306.439503	1247.930212	1429.210626	1479.135421	1554.17091	1456.412778	1436.412778
Trm15a	497.1555282	600.939949	585.2551644	575.233023	580.1607319	591.92406	602.115006	575.322384	602.115006	602.115006	602.115006	602.115006	602.115006	602.115006	602.115006
Cdc42bpb	271.0461585	311.39931	227.899367	211.3393078	165.3078068	247.198724	219.217527	193.559097	169.231776	186.114194	296.0575287	202.1340488	208.7606572	251.1881393	247.1865912
Ad20565H16R1k	0.0	0.792262009	0.312645178	1.75218389	2.533452977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tnfalpha2	0.0	0.792262009	0.312645178	1.75218389	2.533452977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HFS	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579	5679.149579
Snor28	25.63950148	21.39107423	25.65151462	25.74008201	20.9008706	21.04238417	25.15987673	0.17066447	41.38277674	19.22584332	38.88895725	39.03876478	43.5160037	35.2386314	20.1193862
SN10202C07R1k	0.0	0.237678626	0.0	0.86260942	0.966995687	4.9098964	0.1676148026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chk	10529.42845	102.4233543	982.0842363	975.6112536	1050.749622	1091.398326	1158.201594	1041.725998	1159.470181	1117.820364	1147.341158	1081.870549	1100.140045	1120.407768	1109.465385
Mk3	85.9574838	41.98988645	62.65290356	72.45919125	60.16959821	56.81443726	49.43355931	99.73080755	79.7559699	79.52507197	89.8571638	57.2658501	60.4979838	45.17773258	41.13394032
Trm16a	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682	640.1505682
Bag5	574.1416599	644.9021749	559.1771643	614.1779068	501.029025	574.4570879	584.5379352	627.714358	615.4747233	578.523104	555.2261002	576.901907	566.6360696	532.1936988	578.4453569
Apopt1	496.307493	451.1542925	469.899767	421.1716062	502.890416	500.107305	502.4804651	482.7306315	565.474335	421.2207349	434.156507	474.5378141	524.0318538	507.797142	452.696373
Klc1	1161.103139	1226.421589	1211.550623	1128.293121	1229.358057	1360.03943	1234.565955	1174.979766	1141.422224	1228.706168	1295.414064	1295.219463	1333.109892	1323.707565	1299.166735
Xcc3	202.3689224	276.499441	242.700033	253.959373	210.512166	257.4184997	267.0111556	272.740542	212.1807826	270.0257084	272.410612	274.7358919	289.7086572	272.8735048	255.0980135
Zfy2y1	83.3283792	96.2404095	115.5568377	113.001834	79.80376878	139.072877	77.57556427	121.6156551	82.71555348	100.2622491	105.8528252	88.6167678	85.5435555	93.5027467	88.5435555
Ppp1r13b	457.8482408	483.729852	483.614863	486.511127	488.328613	472.0508182	506.259476	416.5227845	368.692201	485.0155927	469.1518666	473.670346	477.1672165	561.1073486	510.9001928
O30340609R1k	3.662785026	0.792262009	0.783161294	0.86260942	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101070E04R1k	955.0714303	1003.799565	953.526263	847.0824501	933.5774221	986.184674	959.798655	905.6057121	790.0348287	879.1453807	906.8277061	852.7801285	904.9135427	920.120311	920.4826258
H2	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931	1544.721931
Adsl1	57.6888784	57.0428641	41.5057481	47.4351088	42.4533717	48.0467684	46.9073651	49.4463677	120.5318131	25.3431571	27.7008677	39.03876478	34.9354562	49.6955024	45.2696373
Siv1	67.47700738	749.47896	729.903265	707.919754	724.567515	766.641966	658.5074178	787.789573	95.0770739	858.1717335	863.579948	763.4247335	666.2399345	67.796055	741.5597735
Alk1	4751.549043	5090.284905	4859.515832	503.097374	4885.130703	4700.886624	4500.40741	5596.658259	5264.64114	5576.36844	5551.31531	482.466271	4928.75151	4999.367887	5065.169422
Znb4	108.857837	97.4482705	88.8752311	100.80827	82.705658	54.0087684	57.21711863	60.5568816	63.9555242	60.6863142	67.5613973	67.1631479	63.1032021	64.9341375	74.7308298
Exp170b	97.034106	92.7258924	60.7376164	69.0753025	59.0351252	902.693808	62.2424652	660.345431	644.964589	686.013456	788.101534	693.821643	743.926868	743.926868	743.926868
CDC202687	17.12509385	200.4422862	160.0301944	193.22451	13.327615	155.9926204	88.8358438	142.9568833	203.6191388	148.3473062	140.4103728	20.45002356	127.2940862	126.623253	12.21566412
CDc4	110.142861	1956.887161	2096.527885	1896.87114	1822.45278	1895.91814	1700.55849	2090.155689	2060.46845	2055.229843	2100.921106	147.6134346	208.60199	1981.08509	1981.08509
Pr1r12	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317	1491.0317
Ja2	85.15977229	42.78214846	57.9539379	46.5800966	38.6351579	61.724329	67.6548361	92.9518303	156.267119	29.71266694	17.02567528	47.71404585	74.98341973	25.2995304	40.23967763
Nutd14	150.174723	202.910742	176.2112913	148.3688202	178.6084349	169.741899	148.8406779	111.4638437	110.648792	107.489942	120.353806	160.4526997	178.085219	162.639873	149.4616598
Btd1	643.7436205	661.538771	749.485388	660.479024	718.233919	702.1142185	690.9815715	721.5817522	776.493174	728.834241	748.1837227	730.413963	705.525613	772.5392721	672.577469
Brf1	208.7787979	242.780031	242.780031	242.780031	242.780031	242.780031	242.780031	242.780031	242.780031	242.780031	242.780031	242.780031	242.780031	242.780031	242.780031
Psc2	705.95496	717.274091	690.9501451	738.051545	709.829758	704.9130137	697.275789	694.1885404	730.5910842	723.5910842	761.6986773	761.6986773	775.249891	0.0	0.0
Tex2	2.747099445	1.584524017	1.566322589	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mta1	3236.071361	3070.015283	2961.916016	3006.193827	3009.108774	3110.765793	3204.74149	3234.96569	3035.909085	3201.102912	3239.607143	2793.404502	2788.019879	3085.63915	3067.556584
Crip2	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222	420.222222
Chp1	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551	1657.11551
Q30427A07R1k	483.487243	642.544889	576.407127	570.184034	526.324856	591.992408	557.497597	583.291531	607.198169	596.011243	521.174175	576.901907	566.234008	607.662982	573.4154062
Tmem121	8.422158334	7.92262009	7.0845165	0.3513304	4.4354271	15.43108173	14.08277658	4.19037065	11.28621184	7.86511772	12.29631908	9.542809169	15.33751767	13.5337197	9.34135373
Adam6	0.0	0.792262009	0.783161294	0.86260942	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp86	253.8479254	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652	251.5359652
Vp12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wp1	41.2063167	35.65179038	31.6884544	31.6884544	31.6884544	31.6884544	31.6884544	31.6884544	31.6884544	31.6884544	31.6884544	31.6884544	31.6884544	31.6884544	31.6884544
Eys2	126.631145	154.1741898	1495.045101	1579.43747	1446.60165	1592.908482	1562.417465	1295.62424	1379.927501	1358.0436	1413.130824	1749.80419	1757.849927	14796.62939	1617.491328
Q30420J02R1k	159.8577729	177.5854834	127.173519	103.5131304	152.6405419	162.6147465	132.635131	117.3306218	118.8506678	120.1255787	120.5864008	120.9959728	19.25901781	135.0930463	135.0930463
Acap2	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234	200.6645234
Rcga7	22.89241204	14.2607165	18.0102797	34.5043769	6.96959587	12.625405	20.7474864	28.9451644	14.2956833	5.24341183	0.945870699	12.1453949	15.33751767	11.74621047	14.371

Histi4hd	44.8691276	49.9125054	41.50754861	50.89395576	45.60215359	61.0229141	55.0259476	24.30414638	42.88706949	35.82998073	28.37612096	34.70112425	44.30838439	67.76598887	38.08398061
Histi2he	12.818975074	22.18333624	17.22958448	25.01567317	18.36735408	29.45933784	23.45368268	17.16748026	23.3248378	15.73023544	19.86328647	15.61505091	12.78126473	17.16753838	27.30549583
Histi3he	28.38659503	36.51310043	25.19380666	32.22595653	51.33024279	51.17018985	63.14555303	31.00873408	24.82966655	32.9525865	54.6542707	54.6542707	41.75213144	64.15238026	41.67860987
Histi3bc	3.6267168512	1.6825305867	1.1024668112	1.6825305867	18.11473297	17.13936717	19.83593517	1.1380772594	1.1380772594	1.1380772594	1.1380772594	1.1380772594	1.1380772594	1.1380772594	1.1380772594
Histi2bc	42.12203815	48.32798252	56.3876132	56.9322217	69.69695867	53.30737323	57.73214715	24.30414638	63.95200424	33.20827482	41.61831075	50.31663016	57.94173343	36.14218606	38.80254929
Histi4bc	27.47089445	26.14646828	13.13374201	26.74089021	20.2672382	41.8906767	35.18052388	12.5711102	27.08800841	14.85633347	45.80769888	46.2067455	60.37503535	10.84265582	28.0426121
Hfe	10.98835778	13.69804034	1.568322589	8.626094197	3.800179466	1.715540848	2.706194144	7.542666117	0	6.99121571	4.727935349	34.70112425	4.260421576	4.51773258	1.437133144
Gmn	1249.01001	1326.246602	1429.326382	1058.87147	1088.87147	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419
Lrcf5a	14.71329546	14.14184995	10.0180693	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963
Histi3hc	13.73544722	14.26071615	10.01207977	6.03826598	10.27264392	17.39229584	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722
Histi2hb	45.8139132	38.4274238	10.01707977	6.03826598	10.27264392	17.39229584	38.7887762	14.02562664	12.79104008	20.09947528	19.01921539	10.0513963	14.7104454	26.2030849	25.14979852
Histi2ab	3.96133462	1.43534417	1.1024668112	1.6825305867	18.11473297	17.13936717	19.83593517	1.1380772594	1.1380772594	1.1380772594	1.1380772594	1.1380772594	1.1380772594	1.1380772594	1.1380772594
Histi3b	20.12798389	36.65179038	25.8432272	31.05393911	41.18861088	54.00878604	40.59201127	36.87500478	26.33449429	32.33437285	38.78069855	24.29078698	68.63962558	51.5026151	25.8683491
Histi4ha	11.90045426	3.16904034	3.13264578	6.90087537	10.13381191	9.81877928	1.78428129	5.02844467	6.99121571	0	10.41033728	16.1896019	13.5531977	1.255697016	1.255697016
Histi3ha	11.90045426	3.16904034	3.13264578	6.90087537	10.13381191	9.81877928	1.78428129	5.02844467	6.99121571	0	10.41033728	16.1896019	13.5531977	1.255697016	1.255697016
Histi1ha	11.90045426	3.16904034	3.13264578	6.90087537	10.13381191	9.81877928	1.78428129	5.02844467	6.99121571	0	10.41033728	16.1896019	13.5531977	1.255697016	1.255697016
Lrcf5a	14.71329546	14.14184995	10.0180693	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963	10.0513963
Cmah	626.3363934	721.7506987	790.2097461	771.1728212	817.0385911	746.3032253	546.3836211	547.0006713	547.0006713	575.0274955	504.092169	1029.755862	595.1865173	1023.7274	906.1113123
Fam5b5	370.875075	517.3407916	400.978528	478.7482279	584.5942745	522.5525403	594.466126	384.483616	280.522532	291.3281752	488.5801674	593.0568434	587.3105255	500.4213047	500.4213047
Gm13146	10.98835778	13.69804034	1.568322589	8.626094197	3.800179466	1.715540848	2.706194144	7.542666117	0	6.99121571	4.727935349	34.70112425	4.260421576	4.51773258	1.437133144
Gmn	1249.01001	1326.246602	1429.326382	1058.87147	1088.87147	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419	138.125419
BC005517	4768.30158	4820.73535	4812.55645	4656.36547	4391.740736	4241.00414	4094.60843	4508.83819	4470.882473	4704.854338	4901.35731	4506.728182	4636.185716	4506.728182	4506.728182
Ac00313	188.634752	204.4035982	172.7188399	211.3390878	207.7431441	215.3337314	203.8666255	219.757023	221.9621662	167.6178642	179.7154328	134.3262958	202.796067	186.1322582	258.648619
Tdp2	171.4961662	744.726288	800.310843	616.757351	736.6014531	737.8862716	636.8576886	761.8092773	672.655226	687.7608495	715.0782483	753.8819244	689.336211	700.25485	731.4995481
D13040322Rk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adh1a1	11.90045426	11.09186115	15.66322589	3.800179466	6.03826598	10.27264392	17.39229584	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722
Gp1	30.241424	28.63837311	35.6878729	35.45037619	30.19613259	30.0960937	362.6301533	341.934173	355.89188	326.8393364	422.804204	299.2791767	35.11082262	286.426245	342.0372599
Mr2	58.7639373	45.850061	15.6886544	452.0073359	405.3524763	416.6392066	497.932726	458.4264851	478.553832	502.4963321	429.4256162	429.4256162	4682.78131	496.9554682	446.947848
BC007716Rk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soa4	52.1946768	88.73344985	69.0087537	36.10017946	44.8901957	38.1077049	44.8901957	38.1077049	44.8901957	38.1077049	44.8901957	38.1077049	44.8901957	38.1077049	38.1077049
Dkdt1	202.3689224	186.38931	231.0325919	166.984411	208.4747616	196.3958549	184.9224682	184.9224682	227.220065	213.230984	207.145689	191.727115	160.872728	222.0367908	222.0367908
E2f3	652.8915914	639.3554409	668.035684	696.1984711	758.260642	531.6709067	544.780774	790.848891	748.652052	763.7903208	719.8076108	580.3763031	507.8422518	591.1782749	571.9782749
Ubcot1	325.072251	396.323258	397.684408	322.6152299	399.6522071	454.551489	406.813764	320.144273	361.1587788	371.2264147	327.241566	434.563007	468.944862	380.1212405	380.1212405
Mqat1	3429.26331	13.8134265	3981.088405	337.115878	3214.318465	319.5304428	3529.967743	3431.760813	3599.6021	3529.968448	341.988042	3250.710162	3335.020219	3255.102494	3255.102494
Usp2271	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692	396.5179692
Irk4	9049.828327	7381.505133	7378.945717	6774.934382	7113.302596	7223.149073	8034.690415	7125.305259	6904.151989	6785.848789	7158.349448	7104.623843	7642.554432	6553.481808	7350.926824
Exoc2	16.91951379	1511.639912	1553.008847	1621.217005	1524.505329	1442.104729	1515.957904	395.393232	1442.104729	1515.957904	395.393232	1442.104729	1515.957904	395.393232	1442.104729
Foxp1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5mdh	45.5905768	88.73344985	69.0087537	36.10017946	44.8901957	38.1077049	44.8901957	38.1077049	44.8901957	38.1077049	44.8901957	38.1077049	44.8901957	38.1077049	38.1077049
Wm1p1	1590.562748	1696.23296	1816.934203	1743.336527	1430.134719	1827.881772	1569.59204	1848.61049	1848.61049	1873.645821	1755.003599	1859.247976	1765.545789	1765.545789	1765.545789
Serpinb1a	36.62785926	32.48274325	22.71167754	20.70262607	13.3062813	18.9381457	17.13922958	31.8468125	20.3518131	28.83876497	26.8437947	16.48304202	24.7104454	11.74621047	24.7104454
Serpinb6b	2326.78476	1646.320544	1626.626049	1674.324884	1096.351776	1302.52358	1521.762527	1752.412761	1429.588833	1596.295856	1398.942763	1190.248562	1381.228875	1186.600595	1248.14875
Ubcot1	3432.03413	2453.63424	2394.907329	2228.120131	1735.415289	1618.807486	1899.748289	2980.511721	2133.46452	2424.6787	2451.69851	1663.05138	1489.875048	1604.713061	1726.71331
Serpinb1b	1833.92963	10.2934415	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453
Serpinb1b	1833.92963	10.2934415	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453	10.18106453
Gm093	27.47089445	30.89821833	30.63240949	23.29045433	29.76807248	31.56357628	44.2011702	62.01749304	31.60139315	36.70382629	36.14218606	30.6730535	36.14218606	64.6709148	64.6709148
Serpinb6a	1096.08848	945.960832	996.964329	1099.82701	1060.88343	1132.08028	1122.168905	1053.45904	900.639747	1143.93777	1051.806217	1121.713841	1190.361788	1120.407768	1128.148105
501304034Rk	7.325571853	4.735572051	4.698967767	6.03826598	10.27264392	17.39229584	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722	13.73544722
Rp2	17.41541085	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293
Rp1k1	17.41541085	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293	18.863703293
Bph1	67.6103624	74.4726288	61.0685987	72.45910213	51.700466	60.6427648	100.1291183	62.8555508	59.44071568	70.78605948	66.2109487	97.1631479	66.4625768	103.052303	82.63505228
Tubz2a	619.051295	630.640588	687.615166	665.934472	601.0617188	582.176287	549.35173	565.461263	805.835523	720.095224	788.8561628				

Tspan17	1.833192963	5.54583066	2.344043883	8.626094197	18.36753408	11.9240177	8.118582433	4.190370065	3.00966499	0	0.945870699	1.735056213	2.556252945	1.807109033	6.467091048
Umc5	28.38659038	16.76250218	38.73409343	32.77915795	2.377959042	16.2371467	19.2757023	36.86829201	31.48047088	31.21373306	43.37640351	40.04796281	45.26969373	0	0
Umc10	1.261001908	14.26071615	17.22954848	9.40870818	13.9339031	11.22504089	17.13208618	3.762070613	10.48602363	11.35044838	8.675528103	10.7416863	10.94265822	14.3131344	42.82333333
Umc3	427.4157017	531.7665510	437.7575714	475.7575714	499.0000000	468.1531488	541.4048481	468.1531488	541.4048481	468.1531488	541.4048481	468.1531488	541.4048481	583.6969913	593.6999913
Zp346	337.8920017	411.9762244	447.1850992	377.8229258	433.8538223	396.999648	460.9550693	338.5819031	451.4484735	344.3173757	342.405193	380.8443887	432.0067478	410.2138118	412.4566597
Nsd1	2935.72292	2981.281398	3234.07092	2887.15728	2707.627896	2665.368662	3209.133312	3459.569526	3105.213084	2960.779871	3207.1558582	2960.172302	3080.284799	2773.1009226	2836.897273
Rab24	462.226732	364.1599807	435.4797697	481.3360562	404.7193131	420.1462706	348.1456384	364.1599807	404.7193131	420.1462706	348.1456384	364.1599807	404.7193131	420.1462706	348.1456384
Prek11	10515.01584	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401	1065.057401
Mxd3	293.9385706	367.0591799	363.3888406	425.2664439	468.0545375	411.729317	368.9443683	330.2011611	395.0174144	330.3349442	338.6212031	349.3795951	442.2317596	580.4747711	446.947848
Lgan2	4667.304067	4793.971473	4752.222735	4502.698969	4464.209975	4629.324158	4648.394318	4601.864406	4743.218629	4484.038614	4685.843442	4538.907052	4307.340452	4598.093177	4508.281026
Rsm1	359.58008	480.4101333	387.171636	488.0995409	622.5960991	476.259251	500.6459167	407.3039703	454.45813	472.7809652	454.592294	554.3504599	556.4110978	620.946235	622.9964376
3n6	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559	3670.25559
Pn7	102.993737	113.294672	135.4869039	162.1705709	140.6065402	176.0546412	165.0778428	485.4834933	70.7269752	99.6248245	138.804497	190.866886	162.6398373	204.0726808	204.0726808
Dn1	48.7842808	3.96130412	12.53058071	4.31047098	7.600358931	9.81977928	5.72541123	0.83807403	6.99121571	11.35044389	6.70567742	0	1.807109033	7.1855672	0
Polk1	10.55964816	87.1482094	115.1047430	97.4748642	82.9999536	92.5079147	54.4748185	79.5789969	79.52097197	100.262294	80.6801138	86.91260015	114.7514407	97.00636572	0
Dn3	1428.48511	1461.752046	1452.767404	1402.602018	1409.232319	1454.028746	1419.948691	1503.504779	1738.422873	1409.615779	1510.555506	1424.48151	30.9824255	0	0.509999704
Fam193b	366.1099586	466.642233	489.4758091	401.9759896	466.788711	476.9607709	459.1509398	421.5512286	425.8663934	500.7458282	439.8298749	454.9102066	576.8610814	501.4726916	566.2297495
Tme49	3067.583213	3180.139720	3225.08211	3220.100646	3296.022332	3234.384668	3104.004684	3297.821241	3039.735055	3043.800558	3278.387842	3161.272419	3185.943254	3319.659739	32607.466975
Bgal47	294.8542671	373.155406	382.965673	334.8524382	332.5157032	347.1993388	331.8052388	329.3638071	340.0911834	308.487395	343.3510637	344.006582	341.460798	346.949862	366.4884927
Cam1	337.8920017	328.7807335	366.5194958	370.3220595	323.5486178	324.0527162	334.660092	358.9568776	328.5477292	343.4434738	325.3795394	365.2293327	279.4636554	302.6908003	361.438533
Dnd4	405.8505	4385.17021	4851.684219	4514.05093	407.78895	4558.881206	494.757719	531.521782	4752.245478	1881.117672	5200.397102	4924.957059	4798.086779	4777.093443	4484.583939
T22010222Rk	925.7961497	347.2459651	946.8508347	954.0460181	889.8753582	948.310133	966.1130159	1035.021406	1011.244581	953.427401	949.6541816	939.5239991	1010.571998	992.1030074	980.1232563
Bndc15	317.7466791	347.800321	447.0066868	347.6315961	359.7503227	374.554383	347.3722003	403.1136003	425.429106	418.5990431	429.4252972	372.1956576	323.7920398	356.408573	356.408573
Pfcb	183.9096702	17.077993	190.3081946	23.1793245	209.0098706	235.6747202	253.4801849	211.1496513	221.9621682	182.4455115	184.581016	241.178135	217.557337	227.756671	228.5038837
Tcf4f	7266.6271	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474	7659.31474
Tcf2	1.833192963	0	3.132645178	8.626094197	5.702096198	1.204238417	5.412389419	3.352905699	3.00966499	5.243411813	0	2.602584193	2.556252945	1.807109033	5.09999704
l9	12.8195704	2.376780626	1.56322589	8.626094197	2.53352977	4.208476834	9.020647148	9.08546593	28.9913676	67.29045161	38.78069865	0	0.820284315	1.807109033	2.15569701
Smad5	303.959354	305.831353	287.4201951	244.8019752	304.6477205	298.801852	320.239737	298.801852	320.239737	270.11667	286.8274338	277.1401147	338.599614	287.3303792	315.45303
KlH3	19.2296811	38.6203842	25.8443272	27.6050143	26.0125626	28.0565123	26.15987673	34.8103043	45.6469576	44.45592284	44.45592284	44.45592284	44.45592284	44.45592284	44.45592284
Hmnpa0	15903.81640	15370.67923	15856.66122	15844.47351	17200.87896	16780.34261	16123.30249	17124.35494	15543.22942	15239.8687	17547.82439	17547.82439	17547.82439	17547.82439	17547.82439
Idnk	335.1449123	331.9577616	404.111228	387.3116294	341.3877887	383.318334	390.4061972	496.778897	420.599445	403.833677	349.9721585	324.4555117	345.0941476	377.6885484	386.5642703
Unql1	3467.59723	303.2790827	334.66505	390.7192243	382.74699	415.135021	3407.094828	360.232478	3547.632588	3594.38758	3503.505068	3233.277252	3185.09171	2991.664541	3178.215967
Okap1	76.9185445	58.63238868	38.3740343	55.2070028	61.4362349	48.3974839	53.2218187	95.5035439	81.6072524	73.4776539	88.1026931	49.4410206	61.3500709	47.8883965	55.2295674
Z10105161Rk	930.3472653	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521	943.4549521
Hmnp1	15078.77396	15083.08412	15080.40421	15195.72754	14968.27355	15245.90874	15337.80635	16439.65984	16109.18636	16379.544	16950.94879	15660.61737	15626.37426	15658.0211	15185.4835
Mmrk1	0.792262099	0.783161294	0.600875359	12.03390164	5.103260164	2.572423869	5.028444598	0	0	0	0	0	0	0	0
Rm1	487.9290201	435.7441047	529.4170351	482.9328844	500.4907749	443.994306	540.3766742	447.4743648	447.030537	533.8543367	478.6105736	517.9142794	781.202623	534.904337	480.7203435
gdp19b	365.1925967	373.155406	382.965673	334.8524382	332.5157032	347.1993388	331.8052388	329.3638071	340.0911834	308.487395	343.3510637	344.006582	341.460798	346.949862	366.4884927
Naa5	690.363044	674.2149692	717.893167	717.893167	717.893167	717.893167	717.893167	717.893167	717.893167	717.893167	717.893167	717.893167	717.893167	717.893167	717.893167
Isol	326.903492	366.8713099	350.0730986	403.7012084	374.3176774	310.758729	360.825859	420.7131546	427.312116	429.058667	417.1289782	379.109824	369.840598	359.967961	357.127139
Gcal1	383.1095752	598.950784	725.95052	765.9971647	755.6025054	765.6119447	766.619447	766.619447	766.619447	766.619447	766.619447	766.619447	766.619447	766.619447	766.619447
Etoh2d	10.0726613	1.58452401	0	7.76348777	4.33354271	4.29647634	2.70619414	6.70493204	5.41484475	7.86511772	5.675224193	6.9402485	11.070961	8.11391984	6.467091048
Lcdh5	1248.60157	1248.60157	1190.404521	1190.404521	1190.404521	1190.404521	1190.404521	1190.404521	1190.404521	1190.404521	1190.404521	1190.404521	1190.404521	1190.404521	1190.404521
Dap1	31.13368057	46.7434585	54.2524258	43.9930004	11.4339371	32.9648167	36.9645331	79.61703124	75.2414126	65.2456767	103.1147103	32.0985398	32.37920398	97.8802023	22.7755383
4830486L2Rk	55.8574838	97.4482705	111.9920651	114.6387472	79.9605958	80.6823405	40.2755263	63.9520042	46.31680435	65.2650722	84.1502631	43.1501649	109.3301128	110.659135	0
Ctla2b	17.2091496	96.6595604	90.5093961	119.9027093	114.6387472	79.9605958	80.6823405	40.2755263	63.9520042	46.31680435	65.2650722	84.1502631	43.1501649	109.3301128	110.659135
Ctla2a	945.9144655	960.2215542	962.3052309	1031.68866	967.0742814	973.9603559	891.2399382	587.4886832	752.4141226	689.5506356	724.5365653	918.7122645	939.6886732	924.0754541	924.0754541
Utp08	36.86959893	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079	58.73207079
Gm3504	51.27900297	55.8738156	37.5917124	36.22959563	23.4344004	37.7750309	44.2011702	37.7750309	44.2011702	37.7750309	44.2011702	37.7750309	44.2011702	37.7750309	44.2011702
Zp95	140.1015617	110.1244912	130.793792	118.938478	116.938478	115.731219	148.8407697	115.6542318	134.6821279	97.87702052	107.8292597	129.2616828	132.951523	131.015425	113.533732
Zp94	21.06101908	17.42976419	18.0770977	28.4661105	28.5013459	23.1466259	22.5516177	40.9530706	14.2958833	23.5953156	17.43025026	22.5557076	28.7908672	24.3959759	21.

Oxsm	216.1043696	219.4656764	210.6703882	233.7671527	227.5772252	216.736557	207.4748844	234.6607237	237.2768227	233.3318257	216.60439	275.8739378	208.7606572	235.8277641	286.7077031
Ngh1y	748.1202254	477.3804373	848.1368619	740.1188821	782.2030667	812.9374118	849.7496613	666.2688404	774.9856443	700.8693791	740.071534	835.4259663	797.9529797	774.3463384	763.8353093
Top2b	4079.812420	4176.800549	5454.15752	4351.871302	4373.373202	4486.937718	4667.262634	4583.42877	4642.362336	4379.122766	4871.085157	4665.556156	4909.798929	4607.225168	4450.795772
Rhb	3.66277669	3.534545178	3.132045178	3.132045178	3.132045178	3.132045178	3.132045178	3.132045178	3.132045178	3.132045178	3.132045178	3.132045178	3.132045178	3.132045178	3.132045178
Trh1d	83.32837982	181.0531633	71.2676778	84.53572313	61.43623649	62.42573971	82.08789085	93.02621545	79.75869899	86.51629492	65.26507822	74.60714714	73.2792511	50.59906049	70.41943585
Nr1d2	230.7555134	179.0512139	221.6344643	203.575823	209.0098706	227.257491	227.3203081	207.2042812	205.4005055	166.627943	201.4704588	227.7495547	237.7315239	221.3708896	220.5996613
Rpl15	16480.70528	14579.97918	59171.66434	59171.66434	59171.66434	59171.66434	59171.66434	59171.66434	59171.66434	59171.66434	59171.66434	59171.66434	59171.66434	59171.66434	59171.66434
Ecd	1808.55051	1850.74052	1852.2176402	1857.135298	1867.012059	214.072676	1861.00371	2158.878658	1891.135354	2032.69598	1987.411053	1876.931829	1575.53089	1575.53089	1575.53089
Ube2e1	432.2087393	476.9417291	511.404353	438.205582	445.253607	447.047962	480.800493	457.588411	438.4009111	451.8073179	447.3968405	442.4393342	407.2362036	445.4521032	456.2892017
Ube2e2	10.7076613	10.10166812	10.10166812	12.0765318	10.0659594	11.83666474	11.83666474	12.5664423	10.54028425	9.69121575	9.542801699	9.542801699	9.542801699	14.46587443	11.49705705
Nid2	12.8197504	0	7.831612945	6.03859598	5.25345957	14.0282611	2.706194414	0.193070065	0	0.997362511	2.837612096	9.542801699	1.70418663	1.801709303	5.748525376
2700606E02Rnk	2072.55714	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517	2042.464517
Says1	1813.99473	1742.184157	1742.53388	1655.347476	1523.236602	1524.87144	1653.40743	1641.135649	1692.93173	1551.175995	1153.968435	1618.807446	1594.249754	1758.220027	1645.515389
Knk5	183.1329963	194.1041921	214.586197	152.6818673	202.6762382	185.1729807	175.7480431	137.4441381	174.1310974	166.013741	142.8264755	167.9510153	164.4522728	178.820233	181.8750344
Nckn5	111.896797	1138.480506	1164.50806	1055.322633	1012.052405	1101.05692	1214.179105	726.61039	878.819962	996.2482445	906.1441294	1060.986874	1197.178463	1198.13468	1063.4717
Nutd13	80.8129038	115.870252	80.6565133	75.04701591	85.50403798	75.7253802	1107.215424	13.8196568	64.7016454	111.859452	82.69522848	82.4151701	97.98969624	106.6194489	92.69497188
Ecd	1808.55051	1850.74052	1852.2176402	1857.135298	1867.012059	214.072676	1861.00371	2158.878658	1891.135354	2032.69598	1987.411053	1876.931829	1575.53089	1575.53089	1575.53089
Fam149b	282.0345163	264.218497	361.037568	364.7689967	304.6477205	373.1516126	347.2949152	377.9731799	356.642941	375.7778466	367.9437018	220.6219156	412.4080805	368.6502978	331.977404
Dmaj9	211.590608	2288.849434	2420.751561	234.95949	2309.875752	2378.490824	2390.471494	2615.628995	2590.245436	2488.89239	2590.245436	2488.89239	2419.919455	2481.805525	2341.805525
Mrs15	914.443571	895.265966	946.842005	908.3277189	936.7442383	961.639566	963.775932	956.461263	973.7459261	866.0398512	879.6597499	897.89159	823.9555238	1013.788319	901.7399183
Mps16	1808.55051	1850.74052	1852.2176402	1857.135298	1867.012059	214.072676	1861.00371	2158.878658	1891.135354	2032.69598	1987.411053	1876.931829	1575.53089	1575.53089	1575.53089
A5	5.944178889	17.4297619	13.31374201	27.60350143	18.63400574	16.83390734	14.43035434	16.76184026	17.30554202	67.33901698	26.48437957	19.08631834	11.92918041	14.45687448	15.8064478
Ppp3b	2169.284965	2245.270532	2216.34463	2250.547876	2150.901578	2170.872634	2383.254976	2194.91584	2244.453128	2177.564216	2323.058436	2188.737414	2217.975472	2221.840888	2285.038837
1810620E18Rnk	0	0	0.937935534	0.86280642	0	0	2.706194414	7.542666117	0.00966499	0.873901969	0.945807069	1.735066213	0	2.710663955	0
Up5d4	108.9678819	83.52560696	104.5941296	86.26094197	74.7013534	99.60061841	67.6548361	92.18814414	139.1966127	110.9855501	124.8549322	99.3559498	77.5396728	103.9087849	91.25748034
Ypml2	4.1260771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771
Sec24c	35.9049824	34.1287959	50.958487	50.958487	50.958487	50.958487	50.958487	50.958487	50.958487	50.958487	50.958487	50.958487	50.958487	50.958487	50.958487
F231	209.694493	279.668489	230.2494206	222.5532303	247.6450285	251.80773	224.614114	191.080875	181.381305	251.683767	235.180477	275.8739378	301.364873	240.009344	240.009344
6200400D17Rnk	5.944178889	0.79226009	2.344943883	0	0.506690954	7.71540863	1.80412943	6.704592104	1.50482845	6.99121575	4.729353494	3.470112425	1.70418663	0.90354562	1.437131344
Chnd1	5.944178889	0.79226009	2.344943883	0	0.506690954	7.71540863	1.80412943	6.704592104	1.50482845	6.99121575	4.729353494	3.470112425	1.70418663	0.90354562	1.437131344
Cwm8	1070.44031	127.706707	1188.408361	123.0010174	108.254864	1180.47772	128.26184	1196.33845	1196.33845	1200.309917	1150.328893	1200.309917	1150.328893	1200.309917	1150.328893
Nid2	329.6507334	276.499441	329.110905	276.499441	329.110905	276.499441	329.110905	276.499441	329.110905	329.110905	329.110905	329.110905	329.110905	329.110905	329.110905
Camu2	762.1212175	768.494142	736.17168	762.547126	768.965397	768.965397	768.965397	768.965397	768.965397	768.965397	768.965397	768.965397	768.965397	768.965397	768.965397
Clp2	27.74098445	0	0	1.745271839	6.338632443	6.312715251	3.60825859	4.190370065	6.705241412	3.496507874	4.337640531	3.408337261	7.229437613	0.718566272	0
Ypml2	4.1260771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771	4.280771
Ap3n1	1075.02769	1029.148349	1109.739554	1021.703459	1091.91923	962.338394	1119.46231	1238.673391	1142.164638	1192.876188	1236.253003	1144.269572	1025.057431	1108.565112	1094.375104
Auk	569.563215	542.6994758	646.811292	596.322217	501.6238695	521.151569	479.894283	719.950577	667.3913267	689.508535	725.6425139	598.549393	505.464676	559.3003293	541.7985167
Kat6b	210.6101908	222.6256244	185.6092288	208.7514796	167.2078995	41.6853868	211.965208	165.1059806	182.0842177	165.1674721	174.0402086	91.7237115	205.35232	159.0256187	199.0426911
Samd8	212.5603129	236.824194	225.623216	236.824194	225.623216	236.824194	225.623216	236.824194	225.623216	236.824194	225.623216	236.824194	225.623216	236.824194	225.623216
Wid3	5296.98704	7765.455981	5110.01638	5296.98704	7765.455981	5110.01638	5296.98704	7765.455981	5110.01638	5296.98704	7765.455981	5110.01638	5296.98704	7765.455981	5110.01638
Comd1	287.828692	301.851825	296.049693	304.5011251	271.128318	311.728318	311.728318	311.728318	311.728318	311.728318	311.728318	311.728318	311.728318	311.728318	311.728318
Zp103	2.74098445	1.584524017	0	0	0.701412806	0	0	0.701412806	0	2.257242368	0	0.867528106	0	0	0
Dp5	14.6513471	16.63750218	20.36219366	25.0156717	15.50071786	18.29673359	59.86651809	2.257242368	13.962431	13.962431	32.15903676	14.74797781	26.2038494	20.1398882	19.1398882
Rp10a	743.949494	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167
Rp10a	743.949494	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167
Rp10a	743.949494	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167	835.654949	826.235167
Zm1c	3847.756616	3928.03038	3823.39344	3660.051138	3833.114354	4148.155333	4467.412018	2963.42971	2669.565037	2905.724047	3188.692513	4210.758505	4753.778394	4687.006345	4687.006345
4831406H2Rnk	0	0	0.915806472	3.450437679	0	1.40286211	0	1.40286211	0	3.783482796	0	3.783482796	0	2.710663955	3.59228236
Ppfr	593.337134	666.2322492	740.0620307	628.235167	638.430502	661.0718343	661.0718343	661.0718343	661.0718343	661.0718343	661.0718343	661.0718343	661.0718343	661.0718343	661.0718343
Lp105	11.90405426	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411	10.22049411
Csch24	10.7076613	26.14662246	10.1809683	17.25218389	18.36753048	24.5862513	24.5862513	24.5862513	24.5862513	24.5862513	24.5862513	24.5862513	24.5862513	24.5862513	24.5862513
Anx11	1309.35052	181.26255	1167.77684	172.661941	1216.057429	123.610887	1292.658736	1269.68213	1235.46939	1169.280834	1253.27867				

Team5b	136.8309826	375.523214	328.1445824	390.76203	210.731291	346.497926	322.0371032	357.857065	348.377286	337.5256506	307.407717	349.613268	136.122809	346.061434	344.9115225
Pnp	1390.02759	137.2290061	161.733133	1428.48119	1397.85099	1357.23779	127.127766	140.922969	1941.29871	1436.69683	157.03986	1336.86012	1256.97281	1318.286237	170.154348
Pnp2	12.8197504	15.8452407	11.7474192	9.488703616	10.1671753	13.67312551	18.8413943	14.24725822	0.0066549	25.3431571	31.2137306	20.8207455	10.25025178	16.52017046	16.52100476
Pnp3	2.47708945	2.37610686	1.56632589		2.53345729		1.80429393			0.87903969	1.891741398	0.869752106		3.614218606	2.874266808
Rna5e6	3.662785826	10.2994601	9.397935584	17.2528189	11.40038538		7.01412829	9.02047467		5.41484748	4.369590844	7.56695695	9.542809169	23.85938068	13.553319177
Rna5e6	0	0	0	0	0										
Met17	3.662785826	231.3405065	267.0580014	236.45981	274.79648	213.390957	210.1810785	226.2799835	256.280017	227.9711001	227.9548384	242.9076988	237.877062	234.9242084	191.3368867
Sc3b9a2	3.662785826	1.58454207	8.61477439	1.72518938	0.63336241	0	2.70619414	5.02844078	12.7914008	5.24341813	7.56669559	0.86752808	3.40837216	1.807109303	4.311394032
Nrg2	406.5692378	395.7542382	87.4834729	345.034769	299.5808145	330.365415	239.256209	220.042812	602.39939	213.230804	235.521804	230.685117	330.6087143	273.7770594	848.5450359
Nrg2	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111	11.883111
Zfp219	4.66770995	479.318151	526.5012286	536.543059	425.6201002	456.7239749	507.862344	471.835693	467.2491071	479.7721809	439.829748	382.5798949	490.8005655	464.4270909	407.426736
Tmem253	9.156686416	9.507141407	12.22954848	4.31304798	11.4005384	5.611302446	9.02064748	1.034189421	5.26689858	11.3607256	10.4457769	5.20516838	9.564902068	15.3640289	0.529959074
Snoordb8	2.47708945	2.37610686	1.56632589	1.87826259	2.53345729	2.10428471	4.51023574	2.51422209	5.26698858	5.24341813	7.36348279	0.86752808	0.852084315	5.423127609	0.529959074
Snoordb8	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513
Pgpr11	100.726613	95.52066096	88.9472268	81.0582545	90.5048664	63.9215219	111.8565204	100.588816	91.8319761	97.8770025	94.6311918	87.6203873	93.7297467	108.4256582	89.820719
Sup16	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.02818	4512.127703	4549.30187	4535.561987	4532.056511	4609.227915	457.945817	4273.20281	3958.47299	4149.716756
Chnd8	2799.28414	2860.06581	2831.898531	2885.428059	2784.264268	2691.76828	2616.375223	2764.368541	2721.48181	2541.30962	2697.450168	2937.450168	2871.52412	2741.816335	2987.077748
Sno5	5.51718889	0.73262509	1.56632589				0.92064715		0.87390369		0.87390369		0.17416883		1.437133414
Rna5e4	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.028			0.87390369		0.87390369		0.17416883		1.437133414
Zfp219	4.66770995	479.318151	526.5012286	536.543059	425.6201002	456.7239749	507.862344	471.835693	467.2491071	479.7721809	439.829748	382.5798949	490.8005655	464.4270909	407.426736
Tmem253	9.156686416	9.507141407	12.22954848	4.31304798	11.4005384	5.611302446	9.02064748	1.034189421	5.26689858	11.3607256	10.4457769	5.20516838	9.564902068	15.3640289	0.529959074
Snoordb8	2.47708945	2.37610686	1.56632589	1.87826259	2.53345729	2.10428471	4.51023574	2.51422209	5.26698858	5.24341813	7.36348279	0.86752808	0.852084315	5.423127609	0.529959074
Snoordb8	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513
Pgpr11	100.726613	95.52066096	88.9472268	81.0582545	90.5048664	63.9215219	111.8565204	100.588816	91.8319761	97.8770025	94.6311918	87.6203873	93.7297467	108.4256582	89.820719
Sup16	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.02818	4512.127703	4549.30187	4535.561987	4532.056511	4609.227915	457.945817	4273.20281	3958.47299	4149.716756
Chnd8	2799.28414	2860.06581	2831.898531	2885.428059	2784.264268	2691.76828	2616.375223	2764.368541	2721.48181	2541.30962	2697.450168	2937.450168	2871.52412	2741.816335	2987.077748
Sno5	5.51718889	0.73262509	1.56632589				0.92064715		0.87390369		0.87390369		0.17416883		1.437133414
Rna5e4	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.028			0.87390369		0.87390369		0.17416883		1.437133414
Zfp219	4.66770995	479.318151	526.5012286	536.543059	425.6201002	456.7239749	507.862344	471.835693	467.2491071	479.7721809	439.829748	382.5798949	490.8005655	464.4270909	407.426736
Tmem253	9.156686416	9.507141407	12.22954848	4.31304798	11.4005384	5.611302446	9.02064748	1.034189421	5.26689858	11.3607256	10.4457769	5.20516838	9.564902068	15.3640289	0.529959074
Snoordb8	2.47708945	2.37610686	1.56632589	1.87826259	2.53345729	2.10428471	4.51023574	2.51422209	5.26698858	5.24341813	7.36348279	0.86752808	0.852084315	5.423127609	0.529959074
Snoordb8	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513
Pgpr11	100.726613	95.52066096	88.9472268	81.0582545	90.5048664	63.9215219	111.8565204	100.588816	91.8319761	97.8770025	94.6311918	87.6203873	93.7297467	108.4256582	89.820719
Sup16	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.02818	4512.127703	4549.30187	4535.561987	4532.056511	4609.227915	457.945817	4273.20281	3958.47299	4149.716756
Chnd8	2799.28414	2860.06581	2831.898531	2885.428059	2784.264268	2691.76828	2616.375223	2764.368541	2721.48181	2541.30962	2697.450168	2937.450168	2871.52412	2741.816335	2987.077748
Sno5	5.51718889	0.73262509	1.56632589				0.92064715		0.87390369		0.87390369		0.17416883		1.437133414
Rna5e4	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.028			0.87390369		0.87390369		0.17416883		1.437133414
Zfp219	4.66770995	479.318151	526.5012286	536.543059	425.6201002	456.7239749	507.862344	471.835693	467.2491071	479.7721809	439.829748	382.5798949	490.8005655	464.4270909	407.426736
Tmem253	9.156686416	9.507141407	12.22954848	4.31304798	11.4005384	5.611302446	9.02064748	1.034189421	5.26689858	11.3607256	10.4457769	5.20516838	9.564902068	15.3640289	0.529959074
Snoordb8	2.47708945	2.37610686	1.56632589	1.87826259	2.53345729	2.10428471	4.51023574	2.51422209	5.26698858	5.24341813	7.36348279	0.86752808	0.852084315	5.423127609	0.529959074
Snoordb8	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513
Pgpr11	100.726613	95.52066096	88.9472268	81.0582545	90.5048664	63.9215219	111.8565204	100.588816	91.8319761	97.8770025	94.6311918	87.6203873	93.7297467	108.4256582	89.820719
Sup16	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.02818	4512.127703	4549.30187	4535.561987	4532.056511	4609.227915	457.945817	4273.20281	3958.47299	4149.716756
Chnd8	2799.28414	2860.06581	2831.898531	2885.428059	2784.264268	2691.76828	2616.375223	2764.368541	2721.48181	2541.30962	2697.450168	2937.450168	2871.52412	2741.816335	2987.077748
Sno5	5.51718889	0.73262509	1.56632589				0.92064715		0.87390369		0.87390369		0.17416883		1.437133414
Rna5e4	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.028			0.87390369		0.87390369		0.17416883		1.437133414
Zfp219	4.66770995	479.318151	526.5012286	536.543059	425.6201002	456.7239749	507.862344	471.835693	467.2491071	479.7721809	439.829748	382.5798949	490.8005655	464.4270909	407.426736
Tmem253	9.156686416	9.507141407	12.22954848	4.31304798	11.4005384	5.611302446	9.02064748	1.034189421	5.26689858	11.3607256	10.4457769	5.20516838	9.564902068	15.3640289	0.529959074
Snoordb8	2.47708945	2.37610686	1.56632589	1.87826259	2.53345729	2.10428471	4.51023574	2.51422209	5.26698858	5.24341813	7.36348279	0.86752808	0.852084315	5.423127609	0.529959074
Snoordb8	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513	974.12513
Pgpr11	100.726613	95.52066096	88.9472268	81.0582545	90.5048664	63.9215219	111.8565204	100.588816	91.8319761	97.8770025	94.6311918	87.6203873	93.7297467	108.4256582	89.820719
Sup16	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.02818	4512.127703	4549.30187	4535.561987	4532.056511	4609.227915	457.945817	4273.20281	3958.47299	4149.716756
Chnd8	2799.28414	2860.06581	2831.898531	2885.428059	2784.264268	2691.76828	2616.375223	2764.368541	2721.48181	2541.30962	2697.450168	2937.450168	2871.52412	2741.816335	2987.077748
Sno5	5.51718889	0.73262509	1.56632589				0.92064715		0.87390369		0.87390369		0.17416883		1.437133414
Rna5e4	4.664393044	475.313789	428.647514	479.342638	4082.026109	4085.028			0.87390369		0.87390369		0.17416883		1.437133414
Zfp219	4.66770995	479.318151	526.5012286	536.543059	425.6201002</										

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Trim3s	2646.326282	2746.7771233	2645.518853	2537.790313	2287.700038	2399.533208	2528.487396	2600.895959	2589.069696	2328.321947	2533.041731	2435.151394	2544.500814	2250.754637	2424.404057
Dpys2	627.2520389	620.3432155	575.625851	582.2613854	626.3962486	575.665564	583.707065	575.665564	610.207834	489.3851262	595.7554142	627.0273844	611.7064991	602.1503831	602.1503831
Gm5d4	0	0	0	1.480231601	0	1.480231601	0	0	0	0.873801969	1.891741398	0.852084315	0	0	0
Bnlp3	2575.854203	2442.534372	2498.284529	2591.890535	2067.930993	4125.422082	2328.290209	965.4043749	1157.956335	1240.066894	1304.355694	2416.933304	2528.98247	2267.92175	2246.236291
Ppp2r2a	2399.124782	2422.245391	2242.123067	2180.67613	2105.932787	2122.4515	2377.842588	2051.605184	2075.010624	2106.103745	2027.000907	2700.78959	2050.114862	1991.679047	2067.313438
Cdn2c	1322.295719	1404.332331	1301.614071	1328.75598	1318.662275	1255.92922	1427.582003	1346.784939	1382.937157	1294.248515	1104.977659	1412.35275	1328.92844	1244.002311	1328.627927
Gm7	598.854121	593.634921	593.634921	593.634921	593.634921	593.634921	593.634921	593.634921	593.634921	593.634921	593.634921	593.634921	593.634921	593.634921	593.634921
Gm15	4.578482408	2.376786026	12.53500871	7.76344977	5.700298196	1.23715251	4.510325143	8.38701331	0.752411231	0.691212615	10.48077625	10.41033728	6.81667452	6.314218606	12.21561462
Doc1	286.6129987	179.0512139	186.392381	236.354901	124.917981	182.367395	265.991707	128.225334	0.77883493	240.3800709	202.1340488	200.2398141	181.614485	176.761553	0
Suck5	282.2941204	19.0142882	10.96425812	24.1530675	11.4005834	7.01418057	22.5516178	10.0470065	0.349560776	1.891741398	6.875280163	13.63339404	9.24317909	0.17856527	0
Scs2a3b7	550.2555555	595.7813034	639.616808	583.980571	514.639995	583.980571	583.980571	583.980571	577.854064	628.3355555	571.3059027	66.6751798	556.4110838	629.4635526	0
Gm16677	1312.392963	0	0	0	0	1.80412943	3.35296502	2.57524368	0	0	0	0	0	0	0
Entpd4	543.9271	497.241352	53.2848435	534.8178402	784.7370597	908.3295834	799.2327337	591.6802532	592.1499145	551.4321424	75.0958348	854.5151847	77.9188395	791.5138748	806.2306839
Lhd2	6.409875317	1.730359457	0.265203056	9.488703616	39.2685211	32.2649906	33.3763945	10.05688616	6.71771203	9.612921658	30.3634872	34.93566292	53.3097244	13.6527477	0
R30c1	535.6824417	530.4244715	521.5854221	487.7343221	473.7557067	500.7013305	461.857134	542.233884	461.2289571	510.5387498	447.9381335	500.5637137	445.8651068	461.716427	508.0259301
Chmp7	765.5222395	802.5841646	781.5949718	730.6301784	599.1636135	796.1035345	765.1507556	874.1111956	904.4885738	901.5524819	917.3988903	933.5384602	955.662525	775.050257	0
439048423R1k	0.91596482	10.2940611	8.614774239	1.21392246	4.43534271	8.16953669	9.922711863	14.2475822	12.79104008	4.369509845	17.97154328	6.072696744	14.48543336	7.228437213	7.904272392
Trnfur10b	383.676258	379.439021	371.2184536	359.708128	338.2159724	331.066843	4.22068312	590.0041052	442.4195041	488.989279	462.5307717	295.8270711	307.2085815	340.6001285	0
Rhnob23	433.1244538	506.2554234	426.0397143	421.8160062	404.1874548	404.8476834	441.1096455	466.802753	529.6994523	470.1592959	438.8840402	449.3795591	484.8359753	460.8128723	446.2298223
Egr3	3075.915171	2525.731201	2712.304042	2627.500292	2784.898185	2811.963938	3278.103174	1874.771557	1928.487316	1732.073072	1886.202089	2631.212746	2669.580159	2558.450676	2721.2802
Chn1	614.4232391	613.2107946	604.6391393	615.0051602	562.4265609	573.7556751	635.9556239	603.4123984	514.616034	506.1623778	548.4398332	549.1452913	533.4047183	595.4257153	554.7326988
Ccar2	1593.311878	151.5579222	1426.919879	1544.359482	1489.670351	1530.482742	1534.412028	1332.537681	1331.2025983	1512.724308	1404.617988	1736.791299	1581.468989	1369.95169	1570.95993
93009212K11R1k	9.156964816	20.5988122	20.3821936	27.8622539	31.6681222	23.8480353	35.1802238	46.9321447	31.0106763	21.069544	31.4604708	20.8091557	38.7123668	30.6750335	28.3174687
Pdm2c	595.702713	614.003566	715.8094232	697.308778	770.169705	775.0611503	791.1107549	545.586125	582.3865309	579.7015034	628.05814	730.456665	717.4549934	714.904261	720.002003
Kor3a5	0.792015906	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712	4.69897712
Ppp3cc	867.145658	654.8507072	902.798427	906.9468395	907.609529	887.907484	942.6755929	706.496393	843.652314	826.7112626	912.4900071	886.1676878	965.8992925	994.49489	0
Scs3a14	773.7635299	270.9584277	817.6203914	766.8597741	680.8654876	659.3280374	747.161486	1011.555334	847.6849098	1016.811001	613.34271	757.5029562	642.427351	775.323601	0
Pwll2	47.61621704	53.87381658	57.95393579	62.10787821	39.2685211	69.8952939	57.73241715	30.17066447	37.6270034	50.6863142	40.6724805	33.5682326	33.7202328	35.47062235	35.9917193
Polr2d	785.782376	570.4296451	593.249406	593.249406	474.88607	477.6621237	622.3889191	622.3889191	622.3889191	642.2467944	642.2467944	642.2467944	642.2467944	642.2467944	642.2467944
8mp1	8242.983304	9437.144402	10.96425812	8.62509414	12.2035614	8.13366474	15.33510014	14.47481085	11.67056643	11.87730344	11.87730344	11.87730344	11.87730344	11.87730344	11.87730344
Reep4	1476.10272	1511.635912	1475.475879	1521.129937	1397.93076	1418.958106	1433.380832	1308.233534	1477.741337	1377.269553	1398.127332	1567.83154	1564.956657	1508.9871	1341.353736
Hr	6.409875317	0	0.70485105	2.58782259	0.63336244	0.51130244	4.510325143	8.38701331	6.019312981	1.747803981	6.621094891	10.192918041	6.34285871	9.341353736	0
Nutd18	151.0899195	159.2446637	147.234324	148.388022	143.734565	206.91675	157.1967157	123.1968799	100.1070783	116.2289619	157.8901153	175.5293689	201.4296783	180.3959837	0
Fam160b2	277.4550633	325.9191034	300.188078	284.300069	284.300069	279.8927095	313.9185214	313.9185214	313.9185214	313.9185214	313.9185214	313.9185214	313.9185214	313.9185214	313.9185214
Dmtn	0	1.58452407	0.78312914	0	0	0.37006429	0.90264715	1.67618402	3.76207013	0.873901369	0	0	2.556252945	0	0
Xp3	2353.339958	2324.49673	2514.730917	2530.03428	2216.771355	2222.075768	2306.057885	267.005785	2578.122593	2668.027711	2673.030595	2272.05611	2355.621701	2281.475495	2247.673422
Dok2	1373.544722	1686.725816	1560.84046	1546.30921	1622.043269	1435.0906	1486.62095	1399.583602	1519.124131	1508.354798	1522.811827	1591.372653	1591.159741	1573.68882	0
Gfna1	0	0	0	0	0	0.702614206	0.702614206	0.702614206	0.702614206	0.702614206	0.702614206	0.702614206	0.702614206	0.702614206	0.702614206
Fnd3a1	761.8594727	742.2149692	720.506309	596.013039	494.656698	515.514867	575.517288	533.7417614	632.027863	620.5939498	496.2200788	478.8713851	498.7266121	538.924254	0
Gm1919	10.0726613	5.5483460	11.7417492	18.97740723	17.1008076	13.8980374	8.11858423	11.7330616	6.71771203	2.621705907	6.621094891	12.14539439	17.0146863	11.807109303	11.49705705
Cys1r2	21.9761575	22.95758825	28.9766979	18.11479781	20.9508706	11.9240177	14.4303534	16.76148026	17.30552402	18.35194135	16.37212096	16.48304032	32.37920398	15.3640298	18.68270747
Lrpb2	328.7350399	411.1839824	370.7605828	422.1058632	411.686108	394.8954096	377.951135	351.991095	406.309262	404.6166116	372.6730553	424.22144	467.794289	481.5337305	482.8756643
Chn1	703.792178	758.1947421	845.0310361	821.0370421	845.0310361	821.0370421	845.0310361	821.0370421	845.0310361	821.0370421	845.0310361	821.0370421	845.0310361	821.0370421	845.0310361
Reep4	92.48534464	87.94106294	148.800546	102.596586	92.4710336	100.320312	100.1291833	131.038616	81.26072524	137.3272884	117.2879566	95.42809169	126.108476	127.4012059	68.26373884
Itm2b	3585.867422	3872.576698	3732.54673	4053.28865	4089.62848	4251.263015	474.17555	3079.92198	3301.59137	3391.48999	3334.194213	4280.383676	4181.77734	4377.844085	407.68043
Med4	572.310301	621.1334147	658.6386487	561.587322	692.266206	690.8916136	605.284236	710.686761	678.6775386	727.9603401	688.5936867	646.5265294	617.761228	672.2446008	647.4276704
Nutd15	28.3859503	41.19762444	46.8696778	63.8330975	48.1556635	55.4116185	49.6335591	63.6832499	85.7752097	62.4158043	61.3448809	66.7938175	51.5026154	56.7668809	0
Nucle2	107.1390084	113.949663	113.949663	113.949663	113.949663	113.949663	113.949663	113.949663	113.949663	113.949663	113.949663	113.949663	113.949663	113.949663	113.949663
Esd	1921.132118	1942.579406	1942.24001	1716.711295	1832.318966	1807.5408	1886.217319	2153.850124	1962.296032	1980.21662	1886.55581	1839.650036	1874.875902	1739.47492	0
Lrclh1	738.827571	800.1846286	730.2788424	675.321436	624.230297	740.021082	746.615778	697.275789	731.3465271	740.0730979	741.7365309	729.3841738	653.2701341	704.9129242	0
50314142R1k	0	0.73557051	0	0.75251839	0	0	0	0	0	0	0	0	0	0	0
Lcp1	39628.21847	40140.92212	40140.92212	40140.92212	39899.91747	38290.58244	41184.66626	38380.437							

Nipbl	2336.857421	2219.125886	2376.111367	2421.344641	2209.170996	2152.635901	2486.090354	2454.718784	0	2544.664563	2198.377354	0	2502.773869	2428.211169	2298.923482	2336.592329	2318.092858
Ranbp3l	0.915966482	0	0	0	0.253452977	0	0.706194144	0	0	0	0	0	0.1891741398	0	0	0.9305546516	1.437313434
Scp2	536.458556	366.813798	540.301292	540.656160	509.224049	501.501561	527.305456	537.205456	575.937414	525.937414	557.5494562	570.300014	511.2506901	514.1259597	508.5887987	548.1378987	538.5887987
Shp2	736.682	366.817309	343.02467	343.02467	337.379559	325.445362	330.057121	448.753994	478.898279	448.753994	478.898279	434.1454507	344.086582	344.086582	362.9879183	331.5274748	331.5274748
Lmbr2d	173.98231	236.886340	230.244206	179.422759	152.640549	143.7896252	156.7480431	217.899234	230.2387215	217.7276883	247.8181231	267.04716893	240.2776682	178.0002664	185.3899448	185.3899448	185.3899448
Caspl	46.17002506	36.61310043	24.5225826	34.50437679	13.9339137	14.7296892	11.72684129	11.1225148	35.36346376	61.17313782	61.17313782	61.17313782	61.17313782	61.17313782	61.17313782	61.17313782	61.17313782
Ifr	932.1790182	977.8074286	897.5208435	774.6232588	599.393566	562.5330702	584.5379352	521.1201011	592.9023286	704.3648969	749.291813	545.6751788	613.5007609	541.7070956	541.7070956	541.7070956	541.7070956
Spf2	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408	45.99786408
Ilv	45.78482408	8.71482084	1.865632589	0.630265398	1.265748958	1.402625611	1.12330618	0	1.747039388	8.512385288	0	0.260421576	0	0.260421576	0	0.260421576	0.260421576
Dnajc21	1268.39227	1090.947846	1054.918264	1101.552229	1006.441495	117.4163624	1182.259953	987.2515703	1041.341146	1105.489991	1105.489991	1098.290583	1098.290583	1098.290583	1098.290583	1098.290583	1098.290583
Binx1	1185.826123	1270.00082	1880.373268	1829.945978	1887.422468	1869.96436	1882.60966	2141.278103	1948.000163	2176.015093	1977.815631	1907.815631	1907.815631	1907.815631	1907.815631	1907.815631	1907.815631
Bax1	1185.826123	1270.00082	1880.373268	1829.945978	1887.422468	1869.96436	1882.60966	2141.278103	1948.000163	2176.015093	1977.815631	1907.815631	1907.815631	1907.815631	1907.815631	1907.815631	1907.815631
Ala	21.06101908	22.5758925	29.7601299	15.25969565	23.4440044	29.45933764	27.0631444	45.2559697	41.3827764	41.94729451	56.75224193	38.78754124	16.26389373	28.02406121	16.26389373	28.02406121	28.02406121
Rac14	171.42435258	52.28929256	40.7243871	52.6191746	74.7368282	65.2319093	47.80942988	44.17922629	42.1367094	42.1367094	42.1367094	42.1367094	42.1367094	42.1367094	42.1367094	42.1367094	42.1367094
Nrs	4411.477202	17.8105606	374.896213	3674.716128	17.717812	3730.814714	3850.012203	3263.326549	3704.250603	3704.250603	3704.250603	3704.250603	3704.250603	3704.250603	3704.250603	3704.250603	3704.250603
Tap	255.24155	4493.710112	445.4897318	4198.320923	4526.011294	4699.455788	4398.029213	3863.521	3918.5727	3887.98086	4194.935649	4616.984582	4001.38744	4088.72751	397.561526	0.718565272	0.718565272
Sub1	4255.24155	0.79252009	0	0	0	0.140285611	0	0	0	0.873901269	5.675224193	2.602584319	0	0	0.748525376	0.748525376	
Zfr	2111.596086	2200.90386	2215.563302	2078.050902	2066.039003	2098.627115	2196.52758	2258.609465	2146.637492	2176.889905	2339.138238	2416.933304	2122.862966	2078.175699	2293.661625	2293.661625	2293.661625
Mmr198	0	0	0.110809683	0	0	0.350706429	1.80412528	1.91437005	0	0.621705907	0.945870699	0.945870699	0.945870699	0.945870699	0.945870699	0.945870699	0.945870699
Mtmr2	874.091399	893.6715456	984.4337472	986.12255	944.3445972	908.3295834	920.1060001	859.058634	911.1735024	796.9895956	908.0358708	1048.84148	987.5657213	934.8167714	1080.004205	1080.004205	1080.004205
Colp3b	2076.510724	2076.510724	2011.158204	1982.276446	1913.390309	1847.52313	2088.779815	1956.064746	2106.759543	2126.805196	2160.421207	2087.716689	2135.323294	1997.820233	1997.820233	1997.820233	1997.820233
400548C11Rk	7.325571853	11.88390313	5.480212061	6.030265398	4.43354271	2.809551223	4.510327845	10.5688816	6.019312982	6.117313782	5.67524193	9.542809189	8.520843152	9.542809189	9.542809189	9.542809189	9.542809189
Drosha	548.5021925	580.1786522	57.9739035	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575	67.9796575
Gros3a	1304.66748	1321.49303	1323.54528	1292.188911	1257.22604	1194.506008	1231.31384	1533.67544	1500.581729	1538.067465	1516.23073	1516.23073	1516.23073	1516.23073	1516.23073	1516.23073	1516.23073
Aco10	0.915966482	0	0.31245181	0	0.86260942	0.316861221	2.895651223	0.02897894	0	2.25742358	0.87330169	0.945870699	0.86752106	1.70418683	4.051773258	0.718565272	0.718565272
Utm50b2	11.93081026	18.22200223	19.7930233	19.7930233	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234
Basp1	53.1752052	377.116716	354.269764	269.996748	354.050536	346.4077719	42.0804479	0	2.9059493	0.87330169	0.945870699	0.86752106	1.70418683	4.051773258	0.718565272	0.718565272	0.718565272
Myo10	532.310201	329.5809955	347.314309	333.289454	252.078572	179.863709	324.015855	339.419753	291.184254	324.965344	331.630004	268.405593	199.685578	275.2106524	199.685578	275.2106524	275.2106524
Fam134b	579.342356	514.970355	635.9269711	570.184264	562.4256609	521.1497146	611.599876	582.461493	613.523912	583.766512	606.3031179	596.8993371	667.8009013	607.777412	630.1820943	630.1820943	630.1820943
Zp6	1839.17835	1848.07467	1897.83868	1799.403249	1770.74123	1842.61134	1851.38889	1959.417043	1818.584934	1847.05387	1847.05387	1847.05387	1847.05387	1847.05387	1847.05387	1847.05387	1847.05387
Atk	156.040893	125.177893	171.512325	179.422759	191.00063	24.632318	207.4748628	198.884923	166.28117	170.85258	209.862578	242.040431	204.204403	244.924209	244.924209	244.924209	244.924209
Unk	259.1937275	2986.094747	2980.71187	332.134803	2492.284366	256.252095	2640.3432	374.68535	359.386901	3425.69718	3688.89575	2441.224091	2384.98398	2451.34377	2394.709747	2394.709747	2394.709747
Fam105a	502.7173684	583.8901203	626.5029356	539.1308873	741.668359	617.953497	627.115506	554.004966	551.519519	452.681299	490.906827	597.2583297	679.963823	571.178798	664.6732466	664.6732466	664.6732466
Trio	500.885974	584.841221	625.4267927	478.02728	438.02728	474.1550567	548.455346	461.77812	596.768285	373.1561407	491.852736	515.3116951	483.983891	459.005763	459.005763	459.005763	459.005763
Tnmr2d	11.93081026	32.48778058	19.7930233	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234	17.1009234
Anp	1498.07944	1425.279533	1511.501298	1484.550811	1715.781029	1779.48428	1773.459229	878.301565	956.3183498	964.5004406	1022.229313	1824.411608	1750.181183	1845.962153	1708.749168	1708.749168	1708.749168
Droak33b	37.2363144	42.297099	18.9774073	8.86708542	16.1324495	17.783529	17.783529	30.1706647	15.5434521	38.7038269	28.37612096	12.2539349	10.22501178	10.22501178	10.22501178	10.22501178	10.22501178
Ropn1	19.22966211	12.6761914	10.1810983	6.62094197	13.3062813	11.9240171	11.72684129	10.9707005	5.26688986	12.2362756	1.891741398	10.41033728	17.0148683	13.55331977	12.21561442	12.21561442	12.21561442
Marcb6	1546.537875	2097.890763	2139.964788	2153.07173	1914.657087	2027.17319	2097.300434	1631.191710	1741.686624	1741.686624	1741.686624	1741.686624	1741.686624	1741.686624	1741.686624	1741.686624	1741.686624
Cmbc2	0.915966482	0	0.79252009	0	0	0.90989864	0	0	0	0	0	0	0	0	0	0	0
Cct5	11874.57159	11021.1568	11543.7748	11116.44759	11209.89606	11005.86833	10795.0084	11800.92148	11502.9071	11842.24558	12096.20444	10806.79762	10676.61647	10647.48091	10458.00479	10458.00479	10458.00479
Fam173b	127.2818109	140.270318	148.800646	156.9490414	153.273051	147.296689	126.2890001	91.918949	131.6724715	171.284789	124.8549322	109.308514	182.346024	136.437524	149.4616598	149.4616598	149.4616598
Cpt	16.4823667	9.50714442	17.2295484	11.21932246	17.1008706	14.0285611	13.53097072	3.35229052	5.26688986	10.0974528	4.72935344	13.8804497	12.78126417	11.7421047	12.78126417	12.78126417	12.78126417
Mtdh	4201.94207	4085.899129	4453.588411	4234.54969	4384.75648	4325.43268	450.925638	435.900008	425.663829	434.458363	430.7277049	405.821859	402.9777049	402.9777049	402.9777049	402.9777049	402.9777049
Lapn	292.287241	24.5601226	21.9256125	12.9815219	25.76879302	17.0128057	15.33510015	21.7899234	25.3435171	28.37612096	5.20516838	10.22501178	17.1673838	10.50591941	10.50591941	10.50591941	10.50591941
Main2	45.78482408	4.75352051	3.915806472	9.488703616	6.96958967	5.611302446	9.020647148	7.542666117	5.26688986	10.48662363	10.4057769	13.50318672	3.40832761	13.50318672	13.50318672	13.50318672	13.50318672
Rpl30	10.9883758	61.7650218	21.14534595	20.7026287	19.63426057	15.4308173	14.11858243	14.24758822									

Ly6e	13119.18349	13340.89996	13041.20188	13383.38515	13866.22151	12814.1055	14204.81306	9310.164211	10369.01902	9965.978053	10479.30147	12907.08317	12763.37096	13653.61434	13123.16487
Ly6c	8.241268334	7.130358077	9.315800472	6.03826938	4.43354271	6.05826938	4.43354271	9.315800472	6.03826938	4.43354271	9.315800472	6.03826938	4.43354271	9.315800472	6.03826938
Ly6b	114.8472777	8992.966077	8492.001077	8483.061016	7445.431474	7556.320166	8229.35638	8490.783231	1211.59987	8750.8971	7347.522586	7386.544634	7034.583094	7980.850667	7151.117979
Ly6i	3.627678526	3.166004834	4.698987767	2.58768768	4.698987767	2.58768768	4.698987767	2.58768768	4.698987767	2.58768768	4.698987767	2.58768768	4.698987767	2.58768768	4.698987767
Ly6c2	3736.957341	3304.96889	2847.985112	2712.044015	3567.101792	3523.196523	4057.487807	318.468125	775.7389604	853.8022236	977.0844138	2837.684436	2709.628122	2923.920252	3273.758201
Zfp41	97.97952353	118.0470393	148.0117487	106.963658	117.6571306	94.4717905	103.0831036	105.0279585	117.9767658	91.02279585	91.02279585	144.0022493	121.4539349	122.8834326	117.1626045
Top1mt	328.7350399	327.499441	357.9047136	281.2306708	274.2452484	298.1004424	304.7040677	389.7044161	288.9270231	318.1003167	398.2115642	235.9676449	290.8680787	235.8277641	345.6308032
Ly6g	4.608675711	2.376786314	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Zc3h3	359.8687173	327.9594415	304.6497436	303.6156157	353.4169603	270.039032	294.0703977	338.5819013	263.3265864	263.9183964	254.439218	271.2529793	290.5607515	292.7517071	270.1806927
Gsdm	432.0087393	431.5387815	439.361165	409.800666	435.4586679	450.4257807	484.4087518	461.778182	438.616756	429.9597687	444.5592284	453.7171996	516.0000000	495.0515037	505.1166744
Mhr5b	2.74098445	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrb1	111.9484262	12.6761924	7.83164294	6.90008755	10.1333011	12.62545337	7.21651772	10.8499647	14.554633247	14.554633247	14.554633247	14.554633247	14.554633247	14.554633247	14.554633247
Esf1d	4555.589968	4493.710121	4819.574606	4175.032088	4640.652491	4474.312288	4386.740708	4525.505248	4956.90424	5295.84532	5362.140991	4846.837575	4645.371385	4408.443145	4401.932626
Tigd5	42.12203815	30.10955632	34.45906966	40.54264272	38.26825115	35.77205309	37.88182526	19.56276719	22.59535316	37.83482795	26.02894519	42.60421576	32.52796476	30.89823398	32.52796476
Pycr1	579.5387288	733.6461199	705.6282632	634.0179234	713.1670131	711.9339798	704.6822881	864.8922818	70.4009832	804.8637314	768.9920781	726.121025	740.461299	739.107705	684.7930854
Tesat3	823.2113369	738.3884199	759.6661929	650.475024	685.2990303	673.3562935	626.0329121	642.802768	738.0706684	742.8166736	960.9013244	706.1678785	681.6132128	652.3665484	684.7315003
Zfp23	120.028904	120.423253	90.8635489	134.5870095	109.739413	107.316153	129.870105	150.234025	103.8331489	107.4099422	157.9504057	96.2956198	117.5673585	99.3011167	98.4434076
Zfp70	124.5347125	115.8702532	115.9078716	110.4140057	145.0401829	103.1076824	122.6680812	143.3106562	112.1097403	113.607256	140.9347341	124.9204473	115.0313825	172.5789385	134.3717007
Ccd166	94.3167376	83.9779729	108.0762586	114.7270528	146.3069094	119.941588	118.560246	108.946217	110.064876	124.967816	99.2164708	105.834829	108.214708	106.7412465	101.3717597
Fam5b3	10.98857378	10.86055021	6.26529036	6.03826938	7.60035891	4.09989864	7.216517718	10.84996217	8.27655348	7.86511772	7.56669559	14.0103728	11.0770661	5.417773258	11.49705705
Puflb	131.040451	1350.04352	1360.351169	129.022008	1476.397182	1440.701903	1462.246903	1347.623013	1315.218986	1337.070712	1380.908032	1476.326837	1601.91813	1464.66209	1611.474892
Puflb2	10.96839439	422.728401	323.15514	322.619529	317.414568	3225.06981	330.654791	321.00985	3065.33158	3165.829229	3280.19928	3401.52086	3283.517604	3133.66495	3133.66495
Nrp2	7.325571853	0	4.689897767	16.38957897	1.90089733	8.416953669	2.706194414	1.676180426	5.26688888	6.117313782	3.783482795	1.750562313	4.260421576	3.614218606	2.874262688
Enpe4	0.01569642	3.961310043	0	0	0	3.800179466	4.09898864	1.80412943	0.83074013	0	0.945870699	0	1.70416863	0	1.437131344
Plec	4859.601729	756.767911	4667.641315	5019.524213	4552.695653	471.019885	637.983974	515.54782	932.888619	3671.262171	4373.706111	5521.816396	5962.880638	5260.495818	5772.56669
Exp10	1200.847073	1200.847073	1066.244171	1066.244171	1066.244171	1066.244171	1066.244171	1066.244171	1066.244171	1066.244171	1066.244171	1066.244171	1066.244171	1066.244171	1066.244171
Grina	740.0397219	776.617831	758.100131	728.423552	703.666544	752.6154905	839.8224958	564.0238108	514.6512598	525.2150833	541.6670901	607.0409698	795.4970141	769.588347	769.588347
Spnt2	0	0	0	0	0	0.701412806	0	0	0	0	0	0	0	0	0
Smcp5	37.3494871	50.70478854	39.15800472	31.91654853	41.16861088	53.30737323	52.91375346	39.38947861	8.27655348	34.08217679	22.70089677	27.7080994	49.42089028	36.14218606	58.9223851
Opah	21.97875518	13.86918484	18.0170777	35.3513104	9.50044864	84.61953668	34.3597373	13.480914	3.0096649	17.4780338	47.1754328	91.59739325	14.59739325	93.8492321	93.8492321
Exoc4	756.6102781	732.2558103	732.2558103	803.015476	798.173981	872.5574303	881.310259	940.5378568	881.310259	851.360337	863.579048	806.6280151	806.6280151	806.6280151	806.6280151
Cys1	3453.091423	3544.580226	3704.23203	3625.54731	3285.251445	324.269061	3264.572323	4051.24799	4012.624516	4113.456568	3831.652458	3433.891929	3560.90882	3351.39024	3560.90882
Sharpin	61.0108215	663.915531	640.625938	636.607517	606.71988	603.9164257	615.208135	603.413984	568.072625	617.7313782	629.9498584	602.516966	621.448226	684.894429	652.0981137
Hsp1	125.1715409	173.778971	138.7178093	1027.074852	1256.154647	129.960005	129.960005	1061.47943	1061.47943	1061.47943	1061.47943	1061.47943	1061.47943	1061.47943	1061.47943
Hgh1	814.0541243	742.349502	710.372941	715.0668183	677.6989614	901.3154523	709.949305	750.9134517	744.1375672	766.4120267	781.2891972	732.1937217	775.3967268	727.0669282	735.5965317
Mhr1	456.9252745	408.0149344	404.8943892	397.6629425	362.2837757	371.310857	410.439452	388.866241	325.404291	330.334942	348.080417	422.4861878	431.1546635	468.944862	385.1512002
Bop1	3468.80359	3672.134049	3536.100083	3657.75256	3605.10586	3624.714271	3371.01589	4118.2957	4257.9152	4103.84364	4404.919844	3504.813549	3323.980183	3330.119952	3430.432518
Hsp2	855.962294	977.4394059	817.6209134	847.9450055	841.7397516	826.2642851	835.311529	973.377811	874.3052104	930.177508	820.4744735	926.5200175	881.9072662	902.615969	922.6383228
Dgat1	305.8426248	264.615108	239.6473561	208.7514796	168.474262	126.24835	165.0778428	156.7198044	207.6662978	176.5281977	180.661305	186.5185429	198.5356454	171.6753838	183.2342464
Ort1	0.91569642	0	0.783161294	3.450437679	0	0	0	0	0	0	0	0	0	0	0
Fdx6	708.667472	819.1899168	711.8936167	660.598821	788.5372391	785.5823434	716.239385	591.6802532	716.239385	591.6802532	564.5425356	851.9126004	740.461299	761.6957513	797.6078599
Zfp25a2	270.510776	310.5687073	318.7465469	330.7465469	330.7465469	330.7465469	330.7465469	330.7465469	330.7465469	330.7465469	330.7465469	330.7465469	330.7465469	330.7465469	330.7465469
Adh7	256.2264078	307.3976593	272.503365	302.367326	312.8841724	381.588034	289.5672374	291.6497565	265.6021853	277.900861	278.059854	329.660804	339.961477	340.6401036	366.4684927
Cps1	277.1278946	282.7742043	280.199563	2932.009417	2937.538727	3291.669029	3291.669029	3291.669029	318.7798737	2960.779873	3350.274015	2957.403314	2897.26625	2889.574166	2899.414286
Sc3b4	508.215473	513.3857615	500.4400672	486.631794	492.756604	518.3440634	583.635765	429.9319687	392.760172	409.8600234	495.6362462	486.6832676	587.066931	616.2242774	512.373241
Vps28	1145.528638	1262.995633	1281.150523	1283.562628	1278.172077	1285.584524	1234.40245	1088.658143	1193.7509	1193.7509	1234.157776	1260.232702	1248.61083	1263.857017	1263.857017
Hsd1	589.7811554	661.5317791	583.6362112	583.6362112	583.6362112	583.6362112	583.6362112	583.6362112	583.6362112	583.6362112	583.6362112	583.6362112	583.6362112	583.6362112	583.6362112
Cyrl1	884.112836	962.1986343	1036.959313	1035.993913	1001.98652	1178.573204	1005.003328	996.470015	1042.09533	1035.573833	1103.813107	995.943779	1125.60338	1091.01792	1011.740466
Kcfc2	3662.859626	7.92260085	11.7474192	4.1304708	10.13381191	10.42825611	8.11856433	8.38074013	8.27655348	11.315044839	13.09292152	16.6764521	8.131991864	8.131991864	8.131991864
Foxo1	2.72768026	1.31264578	0.86260942	0.86260942	0.86260942	0.86260942	0.86260942	0.86260942	0.86260942	0.86260942	0.86260942	0.86260942	0.86260942	0.86260942	0.86260942
Ppp1r1a	422.136012	422.755659	478.92474	408.014254	422.755659	422.755659	422.755659	422.755659	422.755659	422.755659	422.755659	422.755659	422.755659	422.755659	422.755659
Gst	51.27900297	61.0041745	57.107745	56.5831589	73.47013634	41.8490676	50.51562403	51.1225148	81.2607542	62.04703979	49.18527634	51.18418527	49.42089028	56.0203884	49.5801337
Mpd	79.665593														

Chadi	0.91566482	6.338096068	1.56632589	0.86260942	1.90089733	1.40282561	2.70619444	0.83807403	0	0	0	0	5.421327909	2.155697016
Rangap1	25952.314672	7022.641033	7238.759845	7405.79374	6730.751197	66.363729	700.942551	7608.035891	7497.054317	7839.028735	6994.879121	6786.85157	6789.309651	6891.044794
Znc3h7b	7069.334084	3468.531894	271.330402	2577.470846	2299.7194	232.989892	2547.303755	2897.221863	2595.167492	2331.064534	2306.66957	242.779645	2638.247192	2471.195936
Tsf	308.98214548	260.752111	260.752111	70.023466	70.023466	70.023466	70.023466	70.023466	70.023466	70.023466	70.023466	70.023466	70.023466	70.023466
Phb2a	1863.42424	1776.251423	175.931816	1773.524967	1365.531537	154.749629	1592.144222	1811.077942	1682.397978	1570.401838	1621.22378	1299.57103	1567.83514	1349.910649
Thf5a	1502.657926	1455.38531	1696.327364	1557.169986	1561.240395	1557.136429	1527.195562	1710.500961	1658.96919	1568.665937	1548.336205	1532.054636	1524.337884	1457.969748
Acmt	7844.717158	7299.109884	7308.4612	7642.719458	5861.778826	6169.46828	637.474822	9536.444195	624.616456	9512.37532	924.156727	6143.830409	6068.544434	6057.580516
Pmlp19	663.155459	663.155459	663.155459	663.155459	663.155459	663.155459	663.155459	663.155459	663.155459	663.155459	663.155459	663.155459	663.155459	663.155459
Pcoo	309.086701	416.729615	451.100956	402.835859	551.566106	374.345659	340.980462	570.7284029	464.919278	596.011428	601.573764	325.3203099	382.585875	359.6147513
Desi1	1379.954598	1398.324245	1406.907169	1417.267276	1714.255455	124.145562	1303.483513	1515.806697	1530.401325	1521.463328	1464.207842	127.531326	1321.209845	1295.6737
Xcc11	1029.495756	998.342468	978.737434	920.445028	911.4097085	887.287192	976.034212	1050.944812	1113.572901	1115.927814	1282.60668	932.5927143	985.8516314	941.3210033
Alp21b	340321.16	3306.186438	3427.869686	3427.869686	3427.869686	3427.869686	3427.869686	3427.869686	3427.869686	3427.869686	3427.869686	3427.869686	3427.869686	3427.869686
Ccd2c134	272.757515	116.112544	536.759536	262.073202	245.111575	263.731249	268.354348	326.5477292	309.381297	222.740459	256.7883195	260.7378004	309.9192455	293.1747849
Szrb2	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721	11605.53721
Shns8	42.241268334	4.753572051	1.32626178	1.75218389	3.800179466	5.70054029	4.11858243	2.51422039	4.514484735	1.74703893	5.70224193	5.205186838	1.70416863	6.324805361
Tifra133c	11.90405428	24.96012226	11.74741842	22.4778491	19.008973	18.287359	12.9435901	15.76148026	4.514484735	18.35194135	21.75502607	21.68820626	26.41461377	13.5531977
Cenpm	494.043497	652.031633	549.732227	536.543959	639.030215	552.011871	50.6459167	60.17371414	526.7696941	576.752095	551.442614	547.4102351	497.6172401	528.1457689
Sept3	133132963	5.54583406	1.32645178	1.75218389	3.16681221	2.89551223	3.60825859	2.51422039	0.3495607876	0.945870699	0.867528106	0	5.421327909	0.18565672
Wp2h1	0	0	0	3.915806472	0	1.266726489	0	0.902064715	0	0.484784735	0	0	0	0
Naga	224.356438	261.446292	200.4829314	220.476684	188.7422648	178.1588527	225.916187	132.4159641	153.492481	199.2496489	178.7695621	222.344386	222.3440631	211.4317885
Fam109b	32.9505734	45.1589348	30.5232949	24.15306375	24.17016553	30.6395856	20.7474884	10.4986217	27.0898041	15.7302354	31.845706988	31.23101163	27.25696909	32.32796746
Smr1	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458	1232.165458
Ndfpae	709.664732	160.667116	67.1692294	67.2853473	729.091042	716.1424746	674.7444067	669.621364	640.3044183	67.1724806	692.373515	594.2567528	645.027866	677.665897
Cyp2d22	2.74709845	3.169049034	0.783161294	1.75218389	3.800179466	0	0	0	0.873901769	4.72935349	4.37340531	1.70416863	2.71066395	2.155697016
Tcf20	7374.75662	3009.8037	2827.995434	2944.448559	2844.43435	2725.690163	3205.035942	2759.777225	2770.38879	2800.8581	2703.298457	3002.514776	3001.136884	2738.674149
Thg3	145.037619	1.47297619	9.91892672	17.07951038	6.95264243	3.60852858	42.4901291	3.60852858	3.60852858	1277.644619	34.7878765	4.37340531	4.37340531	4.37340531
Com20324	119.0405426	110.936812	115.936812	115.936812	115.936812	115.936812	115.936812	115.936812	115.936812	115.936812	115.936812	115.936812	115.936812	115.936812
Nfml	14.6513471	10.29496411	27.4106531	26.46611085	15.2007778	12.713968	18.4012943	12.571102	25.8208017	15.7302354	23.6467647	31.0219259	21.30210788	12.8204621
Ser1	142.8486511	188.55838	162.675616	167.674477	167.674477	165.534221	188.531524	182.7001348	155.747324	172.1484672	172.1484672	167.008528	188.842922	188.10809
Rrp7	171.872982	196.182392	1787.174074	1787.174074	1787.174074	1787.174074	1787.174074	1787.174074	1787.174074	1787.174074	1787.174074	1787.174074	1787.174074	1787.174074
Tddp3	3659.107859	3590.531912	1363.48314	1226.88108	390.81336	2842.12468	275.73745	2842.12468	275.73745	2842.12468	275.73745	2842.12468	275.73745	2842.12468
Cyb3b	1369.81936	1254.150759	1250.708587	1084.30041	1110.91913	1135.48304	1183.50806	127.900648	1224.17777	1286.574995	1103.495751	1043.803286	1160.164173	1086.471296
Arfgp3	171.235242	155.283337	183.2947109	155.699595	155.699595	155.699595	155.699595	155.699595	155.699595	155.699595	155.699595	155.699595	155.699595	155.699595
17030101.050Rik	77.8342009	80.0184628	80.0467103	86.9767047	40.53524763	39.2791172	45.1032375	46.1509887	48.90687197	46.31880435	48.2945654	46.84661774	45.1640867	38.65285002
Pncs21	133.041758	133.041758	133.041758	133.041758	133.041758	133.041758	133.041758	133.041758	133.041758	133.041758	133.041758	133.041758	133.041758	133.041758
Ttk	62.26736075	66.55000871	51.8886544	67.2853473	50.035963	51.9045472	50.53627118	68.72206907	60.9453307	55.0558244	65.2650782	74.60714714	60.49798638	69.57370817
Bil1	18.31392963	27.7291703	19.5790326	22.4778491	20.2672382	25.2508601	31.57226502	14.2472882	16.553107	21.8475922	20.8091537	30.36348372	10.22501178	36.14218606
Mcat	451.4393654	483.7798252	458.925188	489.095498	446.1196515	456.2787652	397.126039	366.2383437	458.2220027	458.2220027	458.2220027	458.2220027	458.2220027	458.2220027
Tpse	1290.87592	1590.87592	1590.87592	1590.87592	1590.87592	1590.87592	1590.87592	1590.87592	1590.87592	1590.87592	1590.87592	1590.87592	1590.87592	1590.87592
Thl12	164.143791	707.324626	178.934269	1808.02934	1573.907652	1531.885659	1524.489568	1524.489568	1524.489568	1524.489568	1524.489568	1524.489568	1524.489568	1524.489568
Su1a1	2.74709845	4.753572051	0.783161294	4.313047098	0	0	0	0	0	0	0	0	0	0
Pnlp3a	8.241288334	3.961310403	1.56632589	4.313047098	3.800179466	7.014128057	9.020647148	2.51422039	0.752411233	1.74703893	2.602584319	5.11205891	9.035546516	0
Samm5	307.755575	307.561117	297.575942	296.925966	300.009761	317.0178509	287.395057	3234.127616	305.23857	3268.39364	312.723754	2920.99906	284.701191	2796.570147
Scd3	3659.107859	3590.531912	1363.48314	1226.88108	390.81336	2842.12468	275.73745	2842.12468	275.73745	2842.12468	275.73745	2842.12468	275.73745	2842.12468
Lsd1	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054	154.7527054
Pr5	88.8835778	106.1631091	3.76270652	1.44055731	47.50224332	64.52997813	54.12388289	54.12388289	54.12388289	54.12388289	54.12388289	54.12388289	54.12388289	54.12388289
Arhgap8	0	1.584524017	1.56632589	2.58782859	1.266726489	4.07012806	0	0	0.873901769	1.891741398	0.867528106	2.556252945	42.4670682	32.71268717
Phf21b	30.88075982	26.14464628	36.8058094	36.8058094	36.8058094	36.8058094	36.8058094	36.8058094	36.8058094	36.8058094	36.8058094	36.8058094	36.8058094	36.8058094
Nup59	245.121043	3005.045789	3085.390216	3085.390216	3085.390216	3085.390216	3085.390216	3085.390216	3085.390216	3085.390216	3085.390216	3085.390216	3085.390216	3085.390216
17030307.07Rik	295.1421043	264.615108	281.5449027	296.925966	300.009761	317.0178509	287.395057	3234.127616	305.23857	3268.39364	312.723754	2920.99906	284.701191	2796.570147
Fam118a	290.2757847	302.4460072	272.7541035	284.661085	126.765048	294.5933784	307.040677	367.0764717	354.780371	383.805521	298.851408	325.3203099	327.009338	283.1148748
Smc1b	0	0	0	0.86260942	1.266726489	0	0.902064715	0	0	1.74703893	1.891741398	0	0	0.18565672
Rbn1	160.480134	133.8922794	153.4996137	149.4737582	140.9937374	107.7324731	114.366944	126.386952	149.4737582	149.4737582	149.4737582	149.4737582	149.4737582	149.4737582
Atnb10	187.683008	174.353205	175.123235	172.119715	184.987131	1735.191043	188.170995	188.848611	1708.964228	175.56931	182.28529	1838.292057	1475.068677	1793.555983
Lincppara	0	0.792262099	0.783161294	0.86260942	0.569605954	0	0	0	0	0	0	0	0	0
Cpdr1	0	1.584524017	2.344843883	0	0.63336244	2.104238417	0.569604715	0	0	0	0	0	0.85204315	0
Pp1a	277.4560329	282.738248	245.126465	191.499297	273.6128215	235.674702								

Fmnl3	287.5286952	292.3446811	249.0452916	297.6002498	292.6138189	291.7877272	330.1556856	357.0195296	327.3001433	343.4434738	231.7383212	352.2164111	346.7983163	317.1476827	352.8157449
Tbmdm6	9861.135941	9774.928661	10139.58928	9974.352719	9928.02271	9947.436411	9965.108904	9865.762055	9891.064452	8145.640252	8399.873098	10007.30039	10435.47467	10471.29486	9786.145887
Nckap5	217.1838399	224.4039862	217.1838399	224.4039862	217.1838399	224.4039862	217.1838399	224.4039862	217.1838399	224.4039862	217.1838399	224.4039862	217.1838399	224.4039862	217.1838399
Rcdn3d1	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133	118.8903133
Rcapap1	4203.04685	4057.970828	4517.273477	4388.094118	4604.550786	4567.600191	4576.174298	4571.147173	4537.890733	4316.201824	4513.694975	4717.617842	4572.074226	4796.971645	4764.000455
Asic1	21.0611098	15.8452401	32.1796307	22.17251839	20.9098706	11.83864474	10.47744884	9.218814414	15.80069675	18.35194135	12.29631908	18.74584949	18.74584949	25.29953024	19.40127314
Smardc1	132.236719	1343.676386	1255.407549	1311.166318	1296.494518	1258.335132	1257.482712	1488.305671	1365.631632	1260.136629	1220.173201	1227.52277	1386.745242	1278.529382	1361.681948
Gpdl1	7.13058519	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514	3.11246514
Cmx12	392.8323706	459.9119649	451.1009056	438.2055652	460.6120208	457.8340413	471.7798458	465.1310772	455.5275275	450.933416	401.0491763	438.3666375	480.575538	421.4295383	421.0794388
Cers5	1053.268938	10.1715336	1236.611684	1080.849603	1161.58819	1060.536162	1310.287088	1222.749895	1142.164638	1209.069441	1124.316426	1050.619961	1197.209913	1230.18443	0
Limal	1.0869642	0	0.7831294	0	0.28655123	3.11445303	1.67614968	0	0	1.89174397	0	1.7041863	0.90355462	0	0
Larp4	400.259445	3721.25540	3915.80046	3624.694137	3226.355634	3387.169737	3300.84666	3387.169737	3915.56309	3889.737664	3628.0202	3543.81829	4258.05307	3282.4078	3282.4078
231068316Rik	1.05968482	3.96130349	0	6.03825038	7.600539831	4.08476834	2.70619414	2.51422039	3.49560786	4.729353494	3.470112425	0	4.51773265	6.46701048	6.46701048
Dip2b	1068.617794	1202.657273	1292.216136	1254.234096	1084.951237	1286.488436	1273.927635	1394.555158	1264.657581	1245.657581	1245.747629	1157.284289	1157.284289	1125.273842	1125.273842
Atf1	17.98.82315	1869.73834	1937.541403	1922.756396	170.214571	1692.5091	1949.36169	205.403454	2019.479505	1919.962626	2113.074151	1985.771835	1771.483291	1980.591796	1919.28891
Ment7a1	64.09875371	56.62738863	67.91400369	66.42092531	59.26852115	47.6997079	51.3726502	48.6534933	48.6986515	46.6887457	55.12836289	55.217988	51.12505891	77.70570004	28.02406121
Sic1a2	535.025312	575.1222182	625.7485718	558.970809	592.509696	546.400577	571.902002	557.2054242	59.1975148	544.821525	577.7737188	523.1797696	648.752398	74.11539719	0
Lmted1	5.10.2492402	457.1351789	495.7410994	465.419033	497.1901468	415.236381	534.7951925	612.6132035	48.3333878	623.9660058	562.7930058	485.8625931	500.173493	482.4981389	507.3073644
Csmp2	52.15499495	39.94122602	66.42092531	66.42092531	36.73506817	35.7770431	58.6342066	62.85550098	58.683016	58.0640289	55.80637123	39.96029289	45.56880598	46.98484188	38.0389061
Tfcp2	55.58478888	62.58886867	78.88240054	145.83178402	56.38928474	53.3073732	40.59291217	50.53254938	33.10622139	75.1556933	56.75224193	58.991123	74.98341973	68.86234043	68.86234043
Pou6f1	107.1356803	120.423253	133.9295014	146.639033	212.810051	171.8461374	181.3150077	65.20784703	58.8803155	34.95607876	15.6995555	189.1211272	229.612745	224.9951082	196.1848284
C31001351Rik	5.40417888	0	2.34448383	14.6436013	2.53452977	2.10423847	2.70619414	1.67614968	1.50428525	2.02562945	2.174703938	0	4.337640531	2.87426268	2.87426268
Dazap2	4605.037606	4956.529186	4813.309316	4672.755226	4709.055721	4886.743017	4489.41873	4342.899536	4499.436453	4576.624611	4539.233483	5229.494528	5008.020458	5147.55085	5167.25071
Smagp	0	0.79262059	0.04845165	0.86280402	2.53452977	2.09565122	2.70619414	0.83074013	0	2.621705907	6.621094891	4.33740531	4.33740531	3.61241669	3.59282836
Bm2	2393.53009	2520.185449	2595.39653	2500.70478	2771.297826	2801.442746	2924.261941	2803.596289	2385.905183	2280.896042	2391.839135	2753.324029	2749.676085	3125.39554	3015.801225
231068316Rik	1.05968482	3.96130349	0	6.03825038	7.600539831	4.08476834	2.70619414	2.51422039	3.49560786	4.729353494	3.470112425	0	4.51773265	6.46701048	6.46701048
Galm6	296.6173793	2583.916384	2348.700722	2275.563499	2231.707923	2370.794753	2244.373071	1837.895101	1841.157358	2008.276225	2189.606098	2304.15465	2295.515145	2264.307517	2479.015658
231068316Rik	1.05968482	3.96130349	0	6.03825038	7.600539831	4.08476834	2.70619414	2.51422039	3.49560786	4.729353494	3.470112425	0	4.51773265	6.46701048	6.46701048
Sic1a2	131.860293	146.5684716	127.1731619	156.296955	167.671515	118.5389764	92.91545716	122.3888095	104.585653	116.2289619	112.6831908	137.3272139	109.3301128	132.216038	0
Scnrb1	0	0.78262059	0	0.86280402	2.53452977	2.09565122	2.70619414	0.83074013	0	2.621705907	6.621094891	4.33740531	4.33740531	3.61241669	3.59282836
Acvrl1	184.9775513	202.055614	242.7800013	221.766984	229.101857	250.454716	298.7792924	281.7792924	56.43105919	50.6863142	2.87612096	2897.583152	329.619308	201.4926877	251.4978652
231068316Rik	1.05968482	3.96130349	0	6.03825038	7.600539831	4.08476834	2.70619414	2.51422039	3.49560786	4.729353494	3.470112425	0	4.51773265	6.46701048	6.46701048
Grasp	7.76.294209	144.9639746	128.3290443	176.834931	142.50673	141.6853898	167.78428	118.188438	151.452481	131.3559599	141.860408	129.216878	156.783514	141.858003	131.497518
Ubr41	600.55948	4035.176038	4837.819087	4489.819037	5034.0041	4942.154657	5499.889287	5492.154657	2771.902838	2710.865423	2710.865423	4391.64726	4391.64726	4391.64726	4391.64726
Agit01	438.6186147	453.961309	437.7871366	502.901217	406.6120208	474.856495	426.676101	463.4549292	504.23334	418.5990431	445.5050991	417.2801191	412.4088085	420.152913	454.050972
Krt81	1.831392963	3.16904034	0.783161294	0	0.701412806	0	1.67614968	1.50428525	2.02562945	2.174703938	0	4.337640531	2.87426268	2.87426268	2.87426268
Krt18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tns2	13500.11318	13207.01827	14233.17372	13915.55213	13671.90925	13469.83133	14482.24849	14615.13721	14115.28894	14325.00741	13870.22848	13870.22848	13870.22848	13870.22848	13870.22848
Spry3d	553.963173	582.312563	593.524906	542.581325	552.658484	540.976397	532.218187	555.643077	489.067197	561.045064	469.8131701	560.4231567	580.2694186	566.528765	569.822579
Igfbp6	4.57482408	3.96130349	3.915806472	1.75212839	6.96956887	1.54283961	5.41238829	5.86651809	5.10428245	1.74703938	1.32418978	6.07269674	0.85208315	0.90355462	0.91334032
Soat2	2.21.44.15857	167.1672038	207.537743	150.094039	164.041083	189.3814575	144.3303544	147.5010263	154.248951	162.456762	132.4218978	162.2277559	161.0439395	168.782023	209.1026105
Ecad	67.51.42.65917	85.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917	86.47.48.65917
Zfp740	1282.897771	1391.221027	1348.607349	1349.983742	1356.664098	1263.945678	1292.657366	1304.881736	1301.268169	1161.451717	1296.3841	1366.35677	1369.299494	1322.8041	1411.26298
Igfbp7	1935.782362	2486.794375	2364.336349	2492.078613	2456.182661	2680.799743	2644.853744	2508.355221	2707.938427	2266.027805	2201.041116	2998.177135	2752.323238	2685.344624	2729.83890
Rarg	322.5869063	262.784738	234.9438388	296.997084	274.879648	272.1481698	285.025449	388.028268	399.994618	373.513163	231.7383212	288.019333	320.380725	309.015660	261.5579046
Mfd5	1193.152515	1186.016227	1328.628623	1208.790578	1061.51679	1238.650515	1192.529553	1128.595615	1195.5804	1201.852563	1173.825537	1129.52594	1202.403475	1165.588501	1146.830812
Espl1	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917	275.49.05917
Pfn5	1298.64511	1319.14224	1324.25449	1337.9277	1449.788466	1407.034088	1473.937179	1238.67391	1272.83711	1274.149017	1180.85121	1086.63377	1524.37884	1409.361191	1394.735969
Mya	1025.580059	1029.148349	1032.989747	938.519408	996.913745	969.352475	931.732584	944.504217	1053.37972	938.822917	944.982881	912.6395818	971.2927467	930.661291	945.6324243
Alg1	1684.881526	1630.475214	1681.447234	1920.780407	1934.665864	1928.315103	1363.017914	1732.298985	1766.359907	1776.624703	1739.456215	1491.280815	1524.37884	1485.443847	1455.814051
231068316Rik	1.05968482	3.96130349	0	6.03825038	7.600539831	4.08476834	2.70619414	2.51422039	3.49560786	4.729353494	3.470112425	0	4.51773265	6.46701048	6.46701048
Ahr2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pir13	1983.398579	1910.143703	1878												

Mzt2	336.9763052	383.4584211	319.5298082	356.3950909	329.9822503	376.6566767	316.6247149	391.3805641	404.0463838	388.8863762	375.5106674	376.5071981	334.8691359	364.1325246	326.2288151
Cephd	10.98837567	6.338096068	28.1938066	4.313047098	6.339632444	17.53532041	8.118564233	3.352296052	2.017695443	11.3607256	15.13393118	6.94022485	5.112509891	2.710639565	28.74262688
Sebrp	23.32332415	282.3234575	287.4201961	586.5233179	267.9126523	24.3049652	258.94611	258.94611	258.94611	258.94611	258.94611	258.94611	258.94611	258.94611	258.94611
Yp334312	26.4133231	28.12101321	34.1212202	21.56522891	21.56522891	26.7020203	5.866518001	26.7020203	16.60413741	16.60413741	16.60413741	16.60413741	16.60413741	16.60413741	16.60413741
Yans2	638.240472	655.200681	680.567149	589.1622336	620.0626161	692.294432	617.0122649	734.9900944	673.4100637	825.8373806	770.8841695	597.7268652	680.8153678	659.5948596	610.7808212
Dnm1l	1470.608549	1353.975773	1453.547363	1317.204584	1360.464249	1536.532366	1352.129067	1396.231306	1432.306795	1456.794582	1409.347341	1388.04497	1462.176688	1461.7473694	1415.574374
Vpge6	0	0	2.349438883	0	0.633632444	0	0.920614414	0	0	0	1.891741398	0	0	0	0
Rp1l31-pv1	7.325571863	0	0.458989748	0.86260949	0.333033244	9.81977921	5.121238949	3.752296052	3.762706131	6.901215751	6.901215751	2.602583491	3.408337261	0	5.748525736
Yp12	0	0	2.349438883	0	0.633632444	0	0.706194144	0.839074013	3.762706131	0.873091965	0	0.867582016	0	5.421327909	0
To3pb	564.7343608	569.6363841	598.335229	544.6665271	544.0592068	556.9217272	486.7957472	617.846692	536.3086862	589.911273	515.2048755	566.5287665	620.8407046	566.5287665	620.8407046
Pgm1l	1460.539808	1525.104366	1676.748314	1583.750984	1572.640936	1557.371362	1643.56191	1789.28808	1678.595907	1804.607566	1804.607566	1582.007782	1534.603852	1520.6882479	1697.970683
Yp6p1	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173	4668.4987173
Yp12	2.747098445	3.166540034	7.04845165	2.587322599	3.800179456	1.918366474	10.82477568	10.05688616	3.762706131	6.117333782	19.86328467	3.470112245	11.92918041	15.36402904	27.67426588
Yp11	1114.402618	1165.417415	1199.803103	1177.461858	1138.155735	1113.142213	1177.194453	1086.143921	1100.029447	1210.354227	1159.637477	1145.1371	1157.982584	1170.940189	1097.249781
261031BN025rk	287.592586	310.5667073	296.8181306	338.1428925	342.0161519	426.4598959	360.8258859	269.5989322	247.5442463	309.361297	299.8410115	346.147411	357.854124	327.086739	396.6482509
Mtr190	183.3129693	0	0	0	0	0	0.90620475	0.839074013	0	0	2.837612096	0.9687528106	0	1.807109303	0.18565672
Sd21l	1495.259692	1449.047444	1434.055254	1454.359482	1334.494566	1377.547154	1228.612142	1523.349056	1633.49106	1690.126498	1808.541276	1358.6209	1270.43397	1366.83191	1366.83191
Cdc115	124.5347125	65.6596504	93.9793534	83.67133171	89.30421744	84.87094949	137.316149	117.330618	154.973093	134.5809032	122.9631908	89.3559495	91.1730217	129.3301128	117.1262045
Ydjc	527.4417374	503.0683754	472.2462066	490.4204758	425.6201002	411.729317	364.4314458	433.2842647	458.3071091	548.8104365	500.355996	442.530413	423.4859046	454.4879897	395.9296853
Uhe2i3	4199.384504	3937.542182	4022.882731	3996.498441	3935.7191	375.00372	407.873528	4560.798779	4364.001911	4185.116529	4362.355663	4179.750416	4066.146352	4082.259916	4091.512396
Rim8p2	0.91596862	3.96131043	0	0.86209492	5.700269198	6.31271521	6.314459003	7.54266617	5.41448475	5.24341813	4.729353494	0	2.556252945	0.90354652	0.10565672
He2	72.25718863	82.39524868	66.5681703	79.3600661	65.35857516	86.2737751	88.4203475	86.7220067	56.4210519	87.3901968	71.8861731	70.26977661	57.08644192	56.023884	70.57513287
Plumen191c	39.37494871	10.012482	10.96425812	21.56532549	35.46834168	15.4308173	18.94359017	23.4660723	23.3248378	14.8563347	12.29631908	34.70112425	23.00627651	17.22843713	25.14979852
Tk4	2075.883924	2084.441334	220.2627	2125.46961	2030.562561	1917.662611	1912.017257	231.408128	2361.827931	2144.555432	2347.651074	2134.19141	2179.631678	2204.67998	2070.906267
Serpd1l	0.91596462	0	1.566322589	0	0.633632444	0	0.706194144	2.514422039	0.30969549	0	5.675224193	0	0	0	0
Snag29	137.711679	0	0.918470513	416.6203624	403.4522669	398.4027436	400.4959459	330.3091496	397.1382712	397.1382712	397.1382712	397.1382712	397.1382712	397.1382712	397.1382712
Crk1	175.5447949	1817.449048	1084.403632	1808.891953	1653.078068	167.618681	837.897565	1752.412761	1856.20564	1794.994464	1901.731994	1756.594411	1762.83125	1649.108217	1649.108217
Ltr1a	546.8673951	873.864954	961.722066	862.6094197	938.0106468	879.516584	907.616331	966.2993371	903.8643912	1084.512343	1000.731199	917.847364	985.8615526	937.889783	952.818081
Thap7	622.079956	576.761622	517.6696157	551.704192	503.523792	502.9119627	541.2388299	615.146256	544.787427	566.2884758	507.9325652	529.1921448	483.983981	588.986541	407.077674
Sc7a7a	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565	2.37675565
Sm4d	1597.817699	1583.731795	1662.651438	1595.636797	1491.517044	1444.220986	1444.220986	1444.220986	1843.762829	1928.180154	1893.80657	1466.900028	1611.2914	1553.21044	1553.21044
Cdc74a	6.409871753	3.33799605	2.349483883	5.15665518	4.43354271	11.2226849	4.510323574	3.352296052	3.762706131	10.48682363	10.67966744	10.12201178	7.208437213	7.904223292	7.904223292
Med15	1560.34865	1586.108541	1667.105667	1392.251603	1493.405125	1526.274625	1660.7104	1377.06938	1477.731367	1386.882425	1408.40147	21.6934545	1714.393642	1573.088648	1599.527162
Khl22	170.3135465	183.804786	153.4996137	154.470861	130.472828	158.519294	182.2170774	177.610968	149.7304104	116.2289919	114.403546	183.0484304	151.6710081	158.122064	196.108509
21c4r2	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241	1.5845241
Car15	7.325571863	17.42976149	8.614774239	6.038265938	12.0390164	4.208476834	6.314453003	12.5711102	2.257243268	7.86511772	14.18806046	10.41033728	11.92918041	15.36402904	7.18565672
Dygr2	1551.18984	1524.312140	1603.914331	1494.589077	1589.741743	1576.074574	1684.072324	1625.863585	1702.713319	1539.815269	1692.23945	1584.103265	1692.23945	1702.280277	1702.280277
Tsk1k	247.0099445	23.76870626	0	0.86260942	0	0.70412806	0.902604715	0	0	0	0.867582016	0.852084315	0	0	0
Tsk2	0.91596462	0	1.566322589	0	0.633632444	0	0.706194144	2.514422039	0.30969549	0	5.675224193	0	0	0	0
Dygr14	522.0923171	539.5304278	566.2256159	570.1842564	449.6879034	498.704569	522.954699	536.3673684	616.9795805	486.7633967	557.1178416	513.577596	565.7839953	485.208847	526.7086376
Sc25a1	1418.41385	1382.497205	1444.149427	1361.197664	1395.93259	1392.304419	1345.805554	1334.213829	1170.756375	1252.301521	1268.412767	1230.154855	1362.48282	1280.336491	1341.56211
Dygr6	273.793248	300.2673021	269.407365	288.971458	282.3462557	320.815983	282.3462557	257.28872	258.07844	242.070845	279.977268	288.886894	275.2232338	262.030489	250.7791495
Zhdh	18.31392963	25.35238427	32.89277437	25.01567317	30.4014573	11.9240177	22.55161767	21.76999234	26.33449429	16.60413741	14.18806046	19.9531464	23.00627651	16.7109303	30.1795822
483342090rk	0.91596462	0	1.566322589	0	0.633632444	0	0.706194144	2.514422039	0.30969549	0	5.675224193	0	0	0	0
Prodh	167.021675	1605.915091	1841.212203	1707.043183	1471.93618	540.305251	1492.913703	1852.143569	1704.219988	1718.915713	11.8606289	14.6004903	1842.62708	1513.454101	1603.120041
Ranb1p	586.867357	5690.025745	5777.388069	5691.496591	5667.96763	5957.098959	5666.136332	6461.550641	647.223881	6802.894464	5803.763031	55.54536723	5676.130321	5553.794079	5553.794079
Tmr2ta	1413.704905	1286.11207	1300.8391	1205.065359	1091.28487	1216.24498	1194.333682	1368.574863	1227.938948	1264.536149	1279.76305	1190.248652	1200.5866	1096.915347	1194.974712
Dygr8	92.0236569	94.0874755	996.1811666	974.172979	913.943615	910.0733804	100.410416	1108.771919	6.019312891	1607.034304	1058.429312	1058.38429	1015.864504	960.475846	991.626273
Tanp2	188.555854	145.829072	150.940439	158.240411	152.907811	148.846719	148.846719	148.846719	203.151231	152.927115	148.846719	151.227115	158.922703	158.922703	158.922703
Arvcf	21.061008	13.4685414	14.096903	7.7634877	16.4674435	14.7266892	23.45368258	14.24728279	13.3769172	21.847552493	12.14539439	23.85836082	11.74621047	14.31394032	14.31394032
Comt	966.975485	656.5956504	1034.871876	1001.489536	1010.847738	997.400979	1055.70293	1128.047622	1009.739373	1050.430167	939.5329961	875.095917	943.3101562	980.123576	980.123576
Tanr	284.443917	259.069686	278.805408	252.74456	307.181175	306.571366	304.897876	336.067679	309.994165	325.091524	239.219166	277.808994	302.4999319	325.898871	303.2347136
Cbn1l	14.1480044	190.142862	175.42813	200.125339	209.03987	190.964505	203.866527	213.70889</							

hns20	90.972766	930.07078	958.530605	900.5642	93.3307982	979.122768	948.87417	931.100285	880.324524	964.77777	956.275765	1021.94809	931.022021	992.103074	1036.171699
hns21	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns22	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns23	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns24	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns25	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns26	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns27	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns28	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns29	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns30	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns31	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns32	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns33	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns34	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns35	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns36	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns37	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns38	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns39	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns40	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns41	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns42	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns43	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns44	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns45	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns46	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns47	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns48	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns49	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns50	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns51	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns52	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns53	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns54	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns55	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns56	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns57	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns58	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns59	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns60	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns61	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns62	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns63	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns64	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns65	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns66	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns67	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns68	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns69	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns70	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222	97.1142027	89.9872906	68.2134777	78.7562566	97.741758	98.1735948	95.3173614	90.862978
hns71	12.0611098	27.7291073	17.7291073	37.9541461	18.3675340	29.4953784	34.3557473	12.5711022	0.75241324	15.7303544	3.2596706	13.8804497	23.8583602	15.3504200	12.913882
hns72	9.94661549	1126.95677	985.2169085	97.8184225	90.554904	100.242994	106.704222								

Zfp213	198.7061365	194.1041921	189.5250333	221.6906209	187.4752003	203.4097137	186.727396	230.4703536	196.380086	221.0971981	228.9007091	176.9757337	188.3106337	196.0713594	170.3000643
Zfp13	0	0	0	0	0	2.809551223	0	1.676184026	0	4.164748735	0	0	0	0	2.155667094
Zmac2	0	0	0	1.75218839	0	0.70412626	0	0.380740131	0	0	0	0	0	0	5.964590206
Thoc6	438.6186147	453.1738869	456.5830437	472.709092	489.5897876	480.287551	436.599322	410.8750905	433.3006373	451.8073179	518.3371429	497.961133	462.6817831	477.9804107	446.947848
Hcfr1r1	230.7555134	250.3547947	246.698087	226.8662774	239.4133063	207.6181905	245.3616204	187.7285789	279.8905636	243.8186493	234.2258887	218.9566569	240.3453733	206.9491333	206.9491333
Hcfr1f12a	21.97671556	16.63750218	27.4106631	22.4784941	23.4344004	26.6538662	17.1292298	17.59955427	21.8200995	24.4692513	49.18527634	21.33101183	20.45002366	26.2030849	30.89863289
Pkmv1r1	1029.242586	170.345973	1003.229618	1035.131304	1078.116706	1052.826021	1013.018675	910.1487562	987.1673292	946.5619304	101.13577	102.818537	114.5152684	109.915347	120.190329
Hap4	294.474747	244.8098496	270.9738019	270.9738019	270.9738019	270.9738019	270.9738019	270.9738019	270.9738019	270.9738019	270.9738019	270.9738019	270.9738019	270.9738019	270.9738019
Kremen2	71.424325954	54.6660789	52.7410677	47.43518004	46.23551683	78.5582342	73.0672419	20.11377631	20.11377631	16.6043174	24.59263817	39.90629299	78.39175699	55.11683175	65.38947615
050802P21Rk	207.8631031	230.5426245	211.4535495	189.7740723	228.0107679	206.9167777	193.014849	178.5097648	140.586603	158.1762564	151.7237151	101.7237151	205.35232	198.7820233	177.485721
Flvlych1	459.256236	623.6147598	679.0008423	787.882738	590.1607318	602.5136001	565.573929	441.6650404	432.6312605	475.420711	527.7954899	619.949555	558.1152264	456.295099	548.265677
Flvlych2	7.82220226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226	11.40859226
Strm2	11127.543584	10896.9734	10498.27715	11077.7588	10159.14644	8686.510847	12034.45545	1115.37564	10703.00909	10279.70886	10834.00298	11187.64246	117.117365	8993.93243	11448.18829
Myr1525	41.9888645	41.9888645	54.8212961	40.5246272	55.739655	55.41161167	26.7813559	63.6932499	54.9262305	54.1819207	51.0770173	46.84657174	60.497986378	47.0266862	76.16796123
Teeb2	319.870485	305.793257	2904.745241	2855.237179	2995.808145	3061.666987	3070.628299	3201.256817	2829.077107	2632.19273	2716.540647	3038.950596	2997.632621	3189.5472	2912.346668
Prs41	4.578482408	0.792620958	5.48212966	4.313047098	1.266726489	4.9098964	1.8041294	0.830074031	0.75241423	0	0.945870699	1.75056213	1.70418693	1.807109303	0
Zm4	10.20940511	10.57003217	14.6438031	14.5675545	9.11836474	12.6280061	5.86953991	4.36950945	4.36950945	91.49753614	91.49753614	91.49753614	91.49753614	91.49753614	14.37131344
Kcd15	966.059781	957.052305	1051.002457	886.7624834	952.5783194	983.380739	902.0647148	926.0741748	860.0094321	916.7231654	1036.674286	946.473164	902.357289	940.3364086	940.3364086
Pdpk1	1853.396979	1910.143703	2033.869882	1738.159781	1963.845243	1899.427538	2068.434304	1847.115125	2000.69512	1904.23239	1875.651596	1843.472726	1922.202315	1928.185862	1866.055131
Amn3	293.9385706	292.3446811	278.8054208	270.8935878	300.2141778	282.6693607	300.3875	234.6607237	259.5828723	237.7013355	240.251575	272.4038254	271.8148965	288.2393939	265.8629639
Tcl1d24	88.8225587	80.8127447	113.555837	80.2226763	83.60394824	40.6907767	86.59812262	86.30907079	82.1125328	96.30907079	97.1631479	82.65217057	95.71673907	95.71673907	95.71673907
0	0	0	0	1.75218839	0	0.909864	0	2.51422309	0	2.51422309	0	0.86752806	4.08337761	3.61421866	0
060020407Rk	146.5114371	124.385135	138.407214	106.96358	153.2789051	151.505166	145.2234191	156.1093191	155.7497234	158.1762564	126.7466736	163.095284	178.0856219	183.4215943	131.497518
1Cnf1	149.158153	1666.127018	174.666525	1889.114629	1653.078068	1595.714133	1655.28275	1841.246807	1890.06476	1873.645821	1800.93781	1584.417605	1754.411635	1701.647025	0
Abca17	2.747089445	0	0	0	0	0.90080733	0	2.51422309	0	6.99121557	4.729353494	1.75056213	6.181674521	7.210665965	0
050104103Rk	89.02052693	91.89352693	96.2505329	86.64785038	91.89352693	81.534616	84.32053614	82.00353614	82.00353614	91.49753614	91.49753614	91.49753614	91.49753614	91.49753614	923.3569288
Ecpl	4941.491242	4492.91785	4461.820025	4479.508683	4648.25285	4484.132067	4464.318273	4683.995599	4682.503256	4352.905707	4430.458335	4568.403008	4463.217643	4523.194586	4479.538399
Rc1	352.541454	375.532192	362.3414857	360.5707374	298.9457143	365.3403618	325.445362	403.1136003	378.434037	455.3029258	430.926228	323.5879836	307.6024738	322.5690106	321.917421
Dmase12	4.578482408	3.61310043	2.948443883	2.58782569	6.33832403	6.312715251	3.60625889	1.67630278	5.434848735	5.243381613	4.723489313	9.548909169	5.964590206	13.56331977	23.56331977
Zf1	292.7017776	588.694899	587.0580014	287.0580014	321.9444778	301.9444778	285.732865	215.9453761	215.9453761	215.9453761	215.9453761	215.9453761	215.9453761	215.9453761	215.9453761
Pgp	176.7354788	1690.681726	1762.896774	1877.326718	1879.8272109	1879.8272109	1421.378256	1565.737789	1688.378604	1517.176601	1912.899474	1883.136037	1838.733716	1902.761899	1902.761899
Mist8	216.1063496	240.053886	231.245302	232.2405345	215.078663	228.3192603	226.545083	236.386817	221.962162	260.788822	327.7027071	239.450626	234.9204794	230.6598004	0
Cask1n1	10.0726613	0.792620958	3.915806472	7.76344877	3.800179466	5.611302446	12.6280061	10.8946621	9.028996471	2.621705007	19.8632467	7.80775297	3.40833761	20.78175699	8.62278804
Trsf1	190.335679	1900.63658	1940.617688	1626.14414	1622.81314	1622.81314	1622.81314	1622.81314	1622.81314	1622.81314	1622.81314	1622.81314	1622.81314	1622.81314	1622.81314
Rad26os	10.9835778	7.922620958	12.53058071	2.58782569	2.53345297	9.81977928	12.6280061	11.7330361	2.57423468	6.117313782	14.1880064	9.542809169	12.78126473	5.42132709	7.18565672
Rad26	12.81975074	4.73572051	3.915806472	2.58782569	0.633632244	4.61995366	4.12328829	3.352296052	1.50028425	6.57224913	8.739019689	6.57224913	11.0770961	6.13391984	12.938121
Pkd1	636.4933582	600.0602094	633.8800698	603.8265938	595.9948129	667.744991	758.634251	600.2316578	608.4457828	575.0274955	568.46829	548.583827	718.3077797	729.1666838	730.3024003
1Cnf1	1050.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814	1950.545814
1Cnf1	152.994525	62.3796252	63.4360405	65.932217	62.56194927	48.39748359	57.73214175	88.83581056	84.86830156	55.0264767	42.50887721	33.23128297	33.23128297	48.8624569	0
Snc3a3r2	15.56684019	15.84524071	4.69897767	12.93914129	6.33632403	9.81977928	6.33453003	14.6378229	6.019312981	12.23462756	17.97154328	9.542809169	7.668758836	10.87109303	10.7748508
Slw	7.235571853	12.6719214	14.800646	6.90087357	12.66726489	13.3268431	12.6280061	13.40918421	6.71772103	16.6043174	7.56695595	9.542809169	19.5979325	12.64975106	16.52701046
Zfp98	1423.980038	1163.837171	1479.539385	1398.286989	1426.334026	1446.31305	1442.401735	154.541491	1470.217196	1642.018	1602.962059	1482.055334	1595.93262	1325.514674	1567.191731
Zfmg3	38.12678538	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214	37.5914214
Ofer	54.1176206	469.811371	579.536195	496.0004163	487.6899861	440.467719	452.834568	569.803926	501.8602198	462.218019	575.089348	501.516838	464.385918	459.1375305	596.76857
Nox1o	2.747089445	28.5214323	16.4643817	24.15306375	19.0008973	12.625405	20.7474884	10.8946217	12.7910408	20.9736475	22.70089677	31.2301183	131.2021788	28.0101942	14.37131344
Tb13	1496.248051	1474.395958	1527.947686	1627.743975	1475.102996	1617.930866	1617.930866	174.829347	1697.446261	1627.205466	1826.476319	1511.233961	1491.999636	1486.347402	1680.00541
0.134588462	0	0	0	0	0	0.633632244	0	0	2.57258728	0.873901969	0.873901969	0.873901969	0.873901969	0.873901969	0.873901969
Snr15a	60250.9070	59113.04524	58006.01529	59078.19642	60046.63570	64223.46073	62175.71253	62036.38014	62036.38014	62036.38014	62036.38014	62036.38014	62036.38014	62036.38014	62036.38014
0.150596482	0	0	0.783161294	0	0	0.1676184026	0	0	0.75241423	0	0.945870699	0	0	0	2.155667094
Ndrb10	10.7437024	10.88856	10.88856	10.88856	10.88856	10.88856	10.88856	10.88856	10.88856	10.88856	10.88856	10.88856	10.88856	10.88856	10.88856
Mufn10	431.2934208	525.2697116	447.968204	433.029287	471.855617	507.8228713	452.620358	499.2645592	476.55362	498.144223	411.721613	523.9869162	542.7777088	487.1875256	0
Hc3a3r2	0	0	0	0	0	0.50708402	0	0	0	0	0	0	0	0	0
Fahd1	37.54355574	36.44402358	32.89277437	48.3061275	44.3354271	58.1987568	54.13288299	33.52296052	17.30554822	42.82119648	45.40179354	22.5557306	35.78754124	35.23863141	33.77258618

Cpns15	8.2412683348	8.714882094	1.566532899	1.9763393	1.90009733	1.40025621	7.2166517718			1.50482265	1.747803938	2.83761026	0	0	0	3.61423586	1.437131344
Ppil1	1771.872692	9474.418707	2009.51882	1987.06339	1.94406686	1860.146761	1860.057442			2182.34473	1.970.57527	2220.584903	171.8186624	1952.80576	0	70.7631207	149.353165
BC00404	998.105101	286.105133	409.069161	851.395492	483.780132	483.780132	483.780132			791.148369	803.5782829	849.4327138	943.9789574	856.2502409	87.3259072	886.381772	62.0109974
BC00405	1295.840163	2486.910445	2486.910445	2486.910445	2486.910445	2486.910445	2486.910445			2033.895699	2573.256299	2987.75378	2487.75378	2486.910445	2486.910445	2486.910445	2486.910445
BC00406	1295.840163	2486.910445	2486.910445	2486.910445	2486.910445	2486.910445	2486.910445			2033.895699	2573.256299	2987.75378	2487.75378	2486.910445	2486.910445	2486.910445	2486.910445
Pm1	7590.20318	6748.903264	6556.626357	5014.912791	6113.321944	6860.518653	7585.074637			5454.126977	5302.262277	5019.692909	5012.168833	6202.82596	6393.068462	556.546685	6250.08425
Tmem217	2.74089445			0.345045769	6.33362443	0.92006475	1.25422039			1.25422039			0.73842795		0	0	0
Tcd12d2b	579.6538728	803.356766	836.616265	748.744763	822.135917	726.663667	837.116653			869.770527	761.1686149	76.5598437	805.066026	829.0780387	930.612917	809.104466	
Tcd12d2b	579.6538728	803.356766	836.616265	748.744763	822.135917	726.663667	837.116653			869.770527	761.1686149	76.5598437	805.066026	829.0780387	930.612917	809.104466	
Rnf6	36.6278525	45.15893446	55.60445191	56.00661228	42.4533737	36.6734369	39.6908475			36.6725657	38.86289201	59.42533389	54.8600553	49.42089028	28.0101942	88.466465	
Rnf6-cmr1	0.91566482	2.37678602		0.43130478	2.53452977	1.40226511	0.0			0.08807403	0.26698858	1.74870938		0.44083377	0.0	1.43713134	
Cmr1	32.0429763	25.3528427	47.7723896	34.50437679	32.948887	36.6734369	26.1968767			32.2279985	33.8563652	27.964687	16.48303402	26.41633721	20.78175699	21.5669701	
MDglp1	24.723005	22.1633362	29.574214	22.06617421	31.6681622	38.577704	25.2578120			35.99129005	35.99129005	44.5690004	45.98157399	35.78754131	62.2639673	2.15569701	
Zfand3	804.807273	690.852474	762.015935	790.06493	760.189705	701.713929	768.686366			0.08807403	1.54842265	0	0	0	0	0	0
Btdn9	411.1477202	437.3268287	470.2438731	471.5029991	396.999648	438.8931278	444.179229			443.9243323	384.5186663	405.778298	419.010673	409.852556	388.5285002	446.229823	
Gm402	20.1453229	20.5981222	27.4104531	15.5269995	37.9871825	23.8480335	15.3351001			4.13007005	18.0579398	19.5699559	9.54280919	10.22591178	13.35137207	12.21954162	
17N009720R1K	182.2235998	189.35062	172.295448	156.994944	15.0758792	145.8938636	182.217074			97.7300755	122.643502	167.789178	108.7751304	156.6979683	202.760667	187.399675	188.982717
DnaH8	267.383275	283.629799	283.504388	20.028079	25.049852	25.449482	303.959809			210.194651	208.945077	218.475422	218.063134	328.793123	282.891926	327.086739	305.390406
Abcg1	476.467793	867.526993	868.525876	954.040318	642.230297	591.992408	703.040234			740.297226	807.340353	734.690575	726.428667	753.663834	764.3196307	884.500000	738.685108
Abcg1	476.467793	867.526993	868.525876	954.040318	642.230297	591.992408	703.040234			740.297226	807.340353	734.690575	726.428667	753.663834	764.3196307	884.500000	738.685108
UbaH3a	1769.152506	1884.791318	1513.263042	125.782657	170.338613	171.481374	1918.691648			2054.9547	2117.29341	2321.94529	1928.63305	1794.915562	1887.366758	1728.500048	1388.09098
RspH1	18.3139263	14.2607165	29.7601299	19.8400165	14.5673542	19.6495369	27.96400616			8.38073141	12.7910408	5.42431813	4.95870988	23.4232587	20.45002356	28.0101942	16.5270046
Sc17a1	634.577167	715.4125937	630.710324	687.362169	606.1286248	672.654807	645.873538			607.603595	614.723381	629.2094176	575.098949	642.838326	760.712934	653.720014	654.133272
Wdr5	887.818357	1060.06669	1060.04089	1086.02529	1022.88164	981.973728	978.642263			1361.03212	1224.93012	1265.10043	1256.13288	1051.444005	976.4886252	1088.639683	1088.639683
Pklx1	147.641374	147.641374	147.641374	147.641374	147.641374	147.641374	147.641374			147.641374	147.641374	147.641374	147.641374	147.641374	147.641374	147.641374	147.641374
Pklx2	1437.641374	1426.07163	1491.139105	1432.794246	1502.78166	1529.78129	1621.010926			1422.025867	1583.831728	1530.178542	1427.318884	1703.825201	1515.581682	1651.263914	1651.263914
Cbs	13.7354472	2.33890668	6.26529036	4.31304708	6.33632443	4.81936569	9.02607414			4.19037005	14.2968683	5.42431813	13.24218793	14.74797781	10.22591178	3.61423586	2.87426828
U2af1	344.187378	365.6179038	357.121593	327.947141	358.832374	323.29873	339.46952			3303.05047	3703.38211	3587.397852	358.174728	3392.03496	3549.783395	3277.655992	3277.730779
U2af1	344.187378	365.6179038	357.121593	327.947141	358.832374	323.29873	339.46952			3303.05047	3703.38211	3587.397852	358.174728	3392.03496	3549.783395	3277.655992	3277.730779
Sk1	851.597728	701.1518775	684.4821794	631.4309502	61.0650821	647.400197	669.320184			538.881504	615.474753	630.7306526	562.7390058	661.923951	620.7709156	651.739045	
Hsf2bp	4.57842808		0.315086472	1.21392246	1.01388191	2.06565123	4.510323574			0.08807403	0.26698858	1.74870938		0.44083377	0.0	1.43713134	
Rp1b	2693.97049	2753.90274	2710.52124	262.645683	239.176203	384.00339	2482.48095			2928.20062	2797.47875	2867.27236	2881.122148	2458.574653	2692.586436	2338.39949	2500.60838
Rp1b	2693.97049	2753.90274	2710.52124	262.645683	239.176203	384.00339	2482.48095			2928.20062	2797.47875	2867.27236	2881.122148	2458.574653	2692.586436	2338.39949	2500.60838
Erp43	0.91566482		0.70485165	4.31304708	3.16681222	0.0	0.0			0.10568816	0.26698858	4.30950894	3.62371209	4.37364051	1.70416863	1.601109303	
Erp43	0.91566482		0.70485165	4.31304708	3.16681222	0.0	0.0			0.10568816	0.26698858	4.30950894	3.62371209	4.37364051	1.70416863	1.601109303	
Brd4	5646.184505	5162.379247	5157.117124	5170.408601	5007.386909	5161.066837	5787.64721			4089.706761	4489.186699	4486.98845	4945.957884	556.528865	527.231138	529.348851	5410.08044
Gm402	20.1453229	20.5981222	27.4104531	15.5269995	37.9871825	23.8480335	15.3351001			4.13007005	18.0579398	19.5699559	9.54280919	10.22591178	13.35137207	12.21954162	
Alap8	2360.65529	2661.59486	2582.85940	2525.72030	2422.81400	2356.74702	2652.70021			2818.420040	2825.1303	2821.820458	2815.87507	2628.61012	2534.960838	2569.70949	2533.65526
Alap8	2360.65529	2661.59486	2582.85940	2525.72030	2422.81400	2356.74702	2652.70021			2818.420040	2825.1303	2821.820458	2815.87507	2628.61012	2534.960838	2569.70949	2533.65526
Wiz	1518.27460	1601.165159	1536.56246	1493.176905	1342.09675	1433.88775	1546.132015			1342.504569	1580.82270	1473.39872	1440.07391	1410.600791	1431.501649	1482.73318	1510.04783
Ras	1075.02849	2005.25144	2023.68878	2012.46778	2232.65476	2280.48584	2149.630215			2140.734849	2216.15398	2216.15398	2146.179423	2265.692194	2404.619831	2414.91831	
1430N08E0DR1K	1.51209293	1.51209293	1.51209293	1.51209293	1.51209293	1.51209293	1.51209293			1.51209293	1.51209293	1.51209293	1.51209293	1.51209293	1.51209293	1.51209293	1.51209293
Pgylp2	502.7173684	569.5673535	668.819745	603.537974	761.2026196	740.919867	747.811846			696.4395048	617.153973	643.1918491	562.7390058	785.9804643	692.7445482	819.524904	776.769414
Cytlp9	1.83129363	0.79226209	4.6989767	3.4507679	2.53452977	6.31271521	2.70619414			3.0096549	1.74870938	1.74870938	0.0	4.26040216	1.83129363	1.83129363	1.83129363
Cytlp9	1.83129363	0.79226209	4.6989767	3.4507679	2.53452977	6.31271521	2.70619414			3.0096549	1.74870938	1.74870938	0.0	4.26040216	1.83129363	1.83129363	1.83129363
Cytlp15	31.13586037	22.1833624	27.4104531	30.353991	41.80191472	28.05651232	34.7435973			32.8488685	38.7310235	25.343517	36.8899575	19.9531464	23.0082765	34.3350767	17.24557613
Cytlp15	31.13586037	22.1833624	27.4104531	30.353991	41.80191472	28.05651232	34.7435973			32.8488685	38.7310235	25.343517	36.8899575	19.9531464	23.0082765	34.3350767	17.24557613
Cytlp17	1018.254487	1130.557886	1137.933361	1096.37652	906.3428026	873.2589431	972.4257625			1054.353997	1023.10252	843.8141264	1087.751304	1064.45698	1059.92898	1021.077655	1021.80308
Cytlp17	1018.254487	1130.557886	1137.933361	1096.37652	906.3428026	873.2589431	972.4257625			1054.353997	1023.10252	843.8141264	1087.751304	1064.45698	1059.92898	1021.077655	1021.80308
Cytlp18	0.91566482				0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cytlp18	0.91566482				0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cytlp18	0.91566482				0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cytlp18	0.91566482				0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cytlp18	0.91566482				0.0	0											

Mlr673a	1.833192963	6.338096068	4.69898767	6.038265938	7.600358931	1.402825611	18.0412943	4.190370065	22.5724388	0.873901969	1.891741398	6.94022485	1.70416863	17.16753838	5.748525376
Lnf	1316.17154	903.0131962	889.6712305	831.5554005	677.0653801	629.1672867	689.1774421	695.6014384	572.5871473	603.8662605	592.1150574	536.9998978	568.3040262	516.8326267	507.3073844
Tnt	3605.00748	3169.048034	3209.394895	3234.765249	3231.419272	3239.255044	3237.252004	3239.255044	3658.780013	3615.323244	3654.98664	3675.478429	3675.478429	3675.478429	3675.478429
Hw3b1	455.6381484	386.8817698	438.3817698	438.3817698	438.3817698	438.3817698	438.3817698	438.3817698	399.1535345	399.1535345	399.1535345	399.1535345	399.1535345	399.1535345	399.1535345
Atpv1b2	10.98835778	13.4685414	14.0969033	15.52696955	10.13381191	11.9240177	10.88477268	18.3678229	12.03862956	13.0852953	11.35044839	17.35066213	11.0770961	18.07109033	12.9348121
Dcd39b	3493.904746	4116.593396	4427.686681	3942.87259	4038.957409	4128.515774	4028.773697	4342.889536	3990.052002	4303.093295	4304.650299	4019.281715	3977.447576	4321.453951	
H2-Q1	5045.021925	5095.82329	5126.573834	5050.874738	5232.213761	4966.020264	5407.877965	4161.037475	4083.314343	3967.028115	4442.754672	4792.225299	4746.96172	4745.156223	
H2-Q2	73.7257453	0.730226597	3.915801472	0.88265049	0.88265049	0.88265049	0.88265049	0.88265049	0.88265049	0.88265049	0.88265049	0.88265049	0.88265049	0.88265049	0.88265049
H2-Q3	10.98853778	10.29940611	10.30960554	10.40843769	13.65868122	13.65868122	13.65868122	13.65868122	13.65868122	13.65868122	13.65868122	13.65868122	13.65868122	13.65868122	13.65868122
H2-Q4	5507.913437	6292.931734	5653.614334	5826.06426	6003.186337	5407.91652	5784.01561	5163.373994	5425.688238	5136.795773	4799.347576	5700.562995	6003.786085	6374.578067	6007.209018
H2-Q5	380.9297363	441.289387	490.953357	373.509878	369.841347	361.9290077	430.284869	285.7832384	374.018704	366.452258	47.29353491	360.0241641	401.3317124	354.1934234	395.9296853
H2-Q10	11.54115371	11.57670252	83.76582685	67.15852635	67.15852635	67.15852635	67.15852635	67.15852635	67.15852635	67.15852635	67.15852635	67.15852635	67.15852635	67.15852635	67.15852635
P0u5d1	0.19584682		0.31264518	0.31264518	0.31264518	0.31264518	0.31264518	0.31264518	0.31264518	0.31264518	0.31264518	0.31264518	0.31264518	0.31264518	0.31264518
Tcf19	879.0686223	1149.572174	1036.905554	1216.842683	1082.417784	1023.361284	1052.842035	1155.704064	1186.55071	1178.019654	1110.435976	1118.786706	1118.786706	1107.972921	1074.974245
Pchr1	297.6013565	367.4095719	314.0476791	302.7795903	305.2810837	300.9060937	292.2689676	314.6190383	322.1280904	291.8832576	319.7042962	316.6477588	356.1712437	326.1233304	303.9532792
Pseor1c2	1.5844027	1.5844027	3.915806472	1.752518839	0.63363244	2.104238417	0	0.83807403	0	0	0	0	0	0	0
Dpcr1	3.66278505	0.730226597	0	0	3.800179466	0	0	4.190370065	0.752414123	0	0	0	0	1.807109303	0.178556272
Vars2	60.6125894	560.921502	596.382611	567.5969981	599.6254841	547.1019855	568.300773	534.6912203	553.0423801	536.5758089	561.8471951	495.3985487	572.6006598	545.7470096	559.0440058
Gtf24	683.1095456	675.0027312	694.664082	633.155314	657.4310746	657.4310746	657.4310746	657.4310746	657.4310746	657.4310746	657.4310746	657.4310746	657.4310746	657.4310746	657.4310746
Ddr1	170.0154546	167.9595458	173.8618074	174.4193825	165.3078068	175.3532014	176.8046584	131.57762	133.1772997	178.2760017	151.3393118	157.0225872	161.0439356	186.1322582	126.6232553
F1ot1	499.054565	416.729615	416.641807	420.6781536	336.949246	385.1679247	385.1679247	385.1679247	385.1679247	385.1679247	385.1679247	385.1679247	385.1679247	385.1679247	385.1679247
Tubb5	37755.93749	38336.76633	39612.29628	39375.53218	38937.95035	38645.74134	40071.39488	38775.17306	38162.443	37168.79854	38206.55514	39682.47064	39680.71447	39807.90728	39521.11004
Mcd1	875.4058364	861.6126285	847.6251663	1071.879115	880.3740995	854.3207974	976.0342764	907.346944	966.0979314	983.1278122	954.3835531	970.7635909	918.8427231	843.9200449	949.9438183
Nrm	481.672658	670.2536592	572.7474067	629.7048763	659.946056	595.499472	663.9196301	381.3805641	502.6126339	450.059514	473.8812201	614.573383	610.944454	583.6963049	677.6074287
Zp11b18	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134	2992.1138134
Dx145163	2143.645463	2131.977055	1905.412849	2087.514796	2095.798975	2153.337314	1949.316489	1978.692745	1956.276719	2173.39417	2173.39417	2173.39417	2054.375284	2106.399712	2116.89447
Z310106104Rk	363.5105026	387.4161222	324.145824	341.5933302	371.9483486	357.0191181	360.0101093	438.3127088	388.2457938	399.3719988	420.912461	402.5304313	382.142105	328.501118	386.588315
Ata1	36.92785932	34.06726637	36.02541955	25.0356717	41.80197412	26.45368662	33.3763945	23.4660723	18.0579383	22.72145119	47.29353491	29.49596561	40.9004123	18.9744678	23.7266717
Mpr5b18	967.891181	965.61432	967.38738	967.38738	967.38738	967.38738	967.38738	967.38738	967.38738	967.38738	967.38738	967.38738	967.38738	967.38738	967.38738
Zp11b10	1478.102728	1355.560297	1341.555207	1295.933013	1311.69507	1275.802895	1397.258018	1438.91734	1865.276641	1056.54718	1083.967821	913.5070959	889.480094	897.480437	897.480437
Mlr194	4.578448028	2.376786026	3.12645178	2.58782259	0	0	0	0	0	0	0	0	0	1.807109303	1437.313344
Gm801				0.506095094	0	0	0.83807403	1.504828245	1.54703038	1.54703038	1.54703038	1.54703038	1.54703038	1.54703038	1.54703038
Abcr1	5185.589175	5397.881064	5216.673783	5236.039177	5008.639536	4954.078647	5153.495716	5849.147334	5543.787255	5445.022138	5642.118718	499.49178	499.49178	499.49178	499.49178
Abcr2	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413	455.9359413
Gn1	20.79.54671	2149.408269	2165.440979	2107.354812	2150.951073	2166.664157	2231.70814	2262.799835	2183.505744	2164.655177	2191.582409	2299.87101	2240.129665	2259.790184	2710.068329
Z31010503Rk	43.9534112	43.9534112	32.10963107	31.05399311	43.06870061	46.29324518	54.8120646	33.52296958	28.5917668	26.48437957	35.58856236	46.58880596	35.2386314	36.54684927	
H2-T24	45.06168478	45.9375545	383.7490343	415.7777403	420.5531942	498.7045049	599.970706	329.3590466	274.8787406	200.1235509	277.1401147	405.1356256	420.075764	412.0209211	477.8461719
H2-Q4	6994.092748	6525.096907	624.739551	624.739551	624.739551	624.739551	624.739551	624.739551	624.739551	624.739551	624.739551	624.739551	624.739551	624.739551	624.739551
Gm703	2.12499455	0	0.78314034	4.13047098	1.26672489	0.701412806	0	0	0	0	0	0	0	0	0
Z2-H1	4.578448028	2.376786026	3.12645178	2.58782259	0	0	0	0	0	0	0	0	0	0	0
H2-Q25E04Rk	673.0399139	615.887368	646.912292	614.1779068	626.3962486	644.5983684	610.405545	540.88319	539.409259	545.3148286	47.12587067	62.7342824	602.0695129	617.12782	624.4335689
H2-T10	30.94269284	40.78041954	30.25119372	32.0663036	36.9849423	36.9849423	36.9849423	36.9849423	36.9849423	36.9849423	36.9849423	36.9849423	36.9849423	36.9849423	36.9849423
Gm703b	2.12499455	0	0.78314034	4.13047098	1.26672489	0.701412806	0	0	0	0	0	0	0	0	0
Z41010717Rk	0.915696482	2.376786026	3.12645178	2.58782259	0	0	0	0	0	0	0	0	0	0	0
Gm809			0.78314034	0.86269042	1.900809733	2.805651223	1.84128289	0	0	0	1.747803938	0	0	0	0
Gm623	2.747089445	2.367610024	2.344948383	2.58782259	1.900809733	1.402825611	5.00239613	0.83807403	0	0	0	0	0	0	0
H2-T3	0.915696482	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ppp1	1.816622756	344.6339377	325.0119372	308.8141722	345.8163314	355.6162932	376.1069815	419.875095	294.1582919	334.7095911	383.447423	383.447423	334.017075	339.4116664	339.1629972
Trin3p	238.9671871	253.328237	325.0119372	257.0576071	283.7467334	237.0775283	246.0677966	310.087848	266.354984	271.7835123	209.0374244	275.973978	380.037261	306.3050249	295.3304912
Trin2	1098.53349	1033.109659	1030.64024	954.5713145	101.041554	1067.55029	121.983236	550.0510525	84.6203917	867.7846551	100.931936	108.382405	1071.388672	1106.001598	1176.292005
Trin5	0.915696482	4.753572051	3.12645178	0.86269042	6.96959587	1.402825611	3.60825898				4.33740551	2.55625245	2.71066395	2.156697016	
Trin6	0.915696482	4.753572051	3.12645178	0.86269042	6.96959587	1.402825611	3.60825898				4.33740551	2.55625245	2.71066395	2.156697016	
Ppp1b1	908.3709077	444.3763141	880.273295	921.2668062	898.742436	942.6988109	903.059593	928.693272	741.8803249	807.4854193	850.3377582	792.053161	731.0883424	832.173841	725.027631
Znr1	436.7872197	401.6768383	466.741315	357.982092	442.9867369	457.3211493	382.4754391	339.419753	366.4228057	354.2428051	389.520147	443.083849	417.113665	441.019564	
Znr1a5	44.8991276	31.69048034	25.06116142	43.13047098	48.70170492	48.3974839	19.8452373	21.78992434							

Zpl11b9	39.37494871	32.48274235	31.32645178	59.52004996	31.66816221	28.75792503	44.20117102	22.62799835	49.65933209	48.93851026	23.64676747	51.18415827	19.59793925	57.8274977	22.27553883
Ecb3	42.12203815	28.52143231	25.0116142	11.2139246	20.090706	25.8066101	14.43303544	21.78992434	14.25968833	3.73347789	20.2676236	20.8267465	36.3962555	28.9137485	25.14979852
Chk16712	31.83139293	1.58654012	3.915800472	9.4807038	3.166881221	0.00067415	9.21881414	2.57242388	7.73901869	1.75669655	9.37207467	1.72843705	11.4970570	1.72843705	11.4970570
Shd	252.7322222	0.316904034	0.0	1.72528189	1.26672489	3.50760429	3.60825889	1.676148026	0.0	2.621705907	1.89171348	2.602584319	4.260421576	6.324882561	2.874262688
Stap2	0.91566482	4.735372051	0.0	3.45043769	3.800179466	4.90989864	9.02604715	0.0	0.752414123	1.174780393	0.945870699	6.94022485	0.0	0.0	0.0
Mpnd	102.7117373	104.1877633	1009.494909	474.8695515	1055.183165	1060.536162	1105.93134	70.0667631	750.1568802	790.0073799	748.1268093	938.1952986	987.259586	951.4430481	993.0577587
Fem1a	125.116688	125.116688	127.017071	127.017071	127.017071	127.017071	127.017071	127.017071	127.017071	127.017071	127.017071	127.017071	127.017071	127.017071	127.017071
Chaf1a	227.7361434	247.0722937	2293.09627	2341.121295	2077.31373	2268.39041	2298.40893	2542.716555	257.5176754	2593.741404	2499.936257	2322.372741	2393.50044	2304.064362	2220.367626
Uhx6n	803.0658143	762.1560522	771.760687	803.089397	687.19912	732.274962	810.072671	75.0568319	727.7293039	723.2037519	746.2922616	843.563472	773.4748701	773.4748701	773.4748701
Hdnr2p	140.059489	1528.277434	1444.06544	131.3619174	1509.30641	1434.399188	1410.829214	1330.861533	1321.239199	1241.814968	1463.261971	131.107445	1376.968253	1428.408301	1388.268878
Hnf4	0.93686482	0.75262626	0.0	0.63236333	0.0	0.70141269	0.0	0.396958945	0.0	0.396958945	0.0	0.396958945	0.0	0.396958945	0.396958945
Senaf5b	59.5200713	38.4405239	49.5200713	52.6911746	41.18861088	35.7705309	25.2578101	56.9803289	36.11587788	75.15556933	74.72378502	32.9660804	52.8922754	31.62441128	42.39537465
Tnfaf18b1	201.4532259	225.0024104	240.5404033	263.9584824	328.7155238	364.432678	304.8978736	281.5928864	231.7435498	207.9886686	290.5607515	368.6502978	273.73521	273.73521	273.73521
Mydgf	1236.19025	1198.692419	1234.559103	1231.691453	1280.66048	1231.461726	1128.489257	1249.299161	1498.759888	1485.633347	1365.837289	1146.812757	1234.139026	1198.920577	1234.495824
Dpp9	2239.30039	2384.902036	2328.68012	2433.421173	1116.06599	2189.103687	2217.76393	2338.226496	2668.00479	2451.290523	2531.14999	2246.030267	2256.319367	2232.744443	2321.685896
Tnf2a19	1252.566236	1142.632563	1242.188911	1185.0223	1202.92262	1317.916548	1473.34115	1419.053035	1248.805014	1324.190522	1191.963818	1229.571667	1157.39021	1271.699177	1271.699177
Ticm1	249.069443	267.7945589	242.780013	264.8210918	225.477315	220.9450338	285.454516	227.1180575	243.4069944	251.683767	258.227008	247.2455103	244.5481985	225.886629	288.8634001
Pnc3	687.680577	693.229224	657.858473	579.67353	654.262313	627.030403	684.429537	658.483733	557.050671	571.5318877	590.223316	622.0176522	714.0466561	712.036612	688.3859137
Uhr1	9509.50779	1072.764419	9322.75205	9565.475865	8972.857082	8835.697114	9681.806518	10138.18134	10062.3046	9986.077799	9879.619449	9450.393999	9601.592198	9115.96288	9276.688225
Kdm4b	755.4495973	778.0212924	854.428973	881.5869209	841.7397515	860.635125	830.8016023	850.0325493	641.058324	651.0569686	627.112273	587.9853971	885.315035	806.8743039	957.8480407
Phf1	994.46379	902.921242	106.54336	936.7938207	1075.450789	1121.550796	1171.762084	835.559791	880.345234	808.3939212	865.471689	1052.31193	1134.97638	1210.732651	1141.082287
Gm20129	0.0	1.584524017	2.394483883	2.587822599	3.166816221	5.61302446	4.052323574	3.52296052	0.752414123	2.621705907	6.621094891	6.37340531	10.22501178	2.71066395	0.71856627
Saf2	1910.142861	1998.877047	1914.829365	1948.634679	1995.094219	1900.828703	1906.02742	1889.858699	1982.612113	1797.61635	1904.963587	1950.20318	1985.35645	1945.35165	1996.175437
Sp3	3358.629572	3451.885571	3316.254405	3400.406332	3677.24009	3591.943789	3648.851771	3438.617676	3524.3075	3540.164973	3501.126163	3719.062982	3476.614734	3692.872761	3494.115225
A10102M20Rk	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324	145.652324
	9693.925452	941.911316	941.911316	941.911316	941.911316	941.911316	941.911316	941.911316	941.911316	941.911316	941.911316	941.911316	941.911316	941.911316	941.911316
Refb	20.50710598	123.876728	5096.813705	4645.151725	4049.474907	4873.416174	4586.09701	4585.770335	4842.573293	4519.820983	4483.83169	4684.651774	4579.953194	4458.136501	4505.406763
Catspdr1	0.0	10.29940611	5.542129061	3.45043769	1.26672489	0.0	0.902604715	1.676148026	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranp3	2187.588089	2299.34349	2296.33084	2387.702874	2204.808864	2241.00131	2343.564129	2280.015421	2340.780955	2340.780955	2428.98995	2288.081854	2292.58689	2314.522136	2287.9131
Ymac	49.8109149	75.75774671	65.7855474	0.0	78.5704539	71.54410618	69.4898304	74.501544	66.96485904	68.740592104	68.37055267	77.5396728	77.5396728	68.3260249	68.3260249
Ndn11	926.6684303	918.231669	980.9179407	929.892554	917.743341	923.2005329	969.7195684	919.3671923	907.579075	1001.244036	932.0409951	940.425026	1038.08749	1031.860305	1031.860305
Ntrn	1.83139293	1.584524017	1.625023906	1.626094197	1.90008973	4.0998864	1.8041293	5.866518091	6.71772103	13.9824135	11.3504438	0.86728106	0.0	0.324882561	0.71856627
Dusl1	68.04875371	75.1036481	75.10262619	76.94476023	697.320919	72.8284575	70.1280611	90.1100285	842.708173	765.531849	722.645219	747.809276	662.0695129	739.107705	719.284376
Prt2	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017	1.584524017
Acs2	64.09875371	45.1589348	64.2192365	56.9322127	52.56914927	54.00878604	48.7114546	30.17666447	22.5724388	56.80362798	52.0228843	97.1631479	71.57508247	97.5830927	74.01226421
Rnf219	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chk16712	3.662785926	4.735372051	5.482129061	6.90087537	1.26672489	7.041128057	2.70619414	1.676148026	1.590428425	13.10852973	6.621094891	1.735662313	6.816674521	6.421327909	5.009599704
Wnt1	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772	176.511772
Clp	667.5427371	788.300685	787.8062523	787.8062523	787.8062523	787.8062523	787.8062523	787.8062523	787.8062523	787.8062523	787.8062523	787.8062523	787.8062523	787.8062523	787.8062523
Alpkn	107.26613	109.332152	90.84671016	101.0140057	117.805634	81.3638854	101.129183	85.5728059	102.2465304	81.74945778	78.0775297	103.1022021	79.51289034	105.629135	105.629135
Psb	0.91566482	7.130358077	0.0	0.0	0.333832443	1.402825611	6.314503363	4.190370055	4.514484735	0.0	1.03504389	0.0	0.0	0.0	0.0
Qt2f1	25.1154825	2453.63544	2455.9382	2517.040427	2426.414589	2471.778727	2468.058959	2561.154184	2424.27803	2466.538435	2331.599729	227.894539	2464.227169	2399.32381	2399.32381
Khpf3	6876.047613	684.773327	684.773327	684.773327	684.773327	684.773327	684.773327	684.773327	684.773327	684.773327	684.773327	684.773327	684.773327	684.773327	684.773327
Scs25a1	0.91566482	0.0	2.394483883	2.587822599	3.166816221	5.61302446	4.052323574	3.52296052	0.752414123	2.621705907	6.621094891	6.37340531	10.22501178	2.71066395	0.71856627
Scs25a2	63.18305723	62.39524888	63.43606485	88.8487702	67.76986714	79.25964075	74.87137133	70.3982171	110.604876	70.78605498	104.9916476	87.62033873	60.8637261	102.1016756	81.9164866
Cr3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Demn1Ck	312.2525002	47.37398551	54.2235058	45.2235058	47.37398551	45.2235058	47.37398551	45.2235058	47.37398551	45.2235058	47.37398551	45.2235058	47.37398551	45.2235058	45.2235058
Ubb4b	40.22605415	34.06729637	38.37490433	38.81742238	34.2015151	46.8063454	38.81742238	34.2015151	46.8063454	38.81742238	34.2015151	46.8063454	38.81742238	34.2015151	38.81742238
Gm11110	56.7718186	34.8956237	65.0023844	51.75565518	48.76989861	42.78611815	45.10325734	36.81839842	31.6013931	34.08217639	52.96875913	52.91921487	40.0479821	54.1238062	37.7258658
Tnf5r9	149.0743841	144.9839476	136.3254288	116.4522717	125.4059224	117.1393986	111.8560246	110.115477	96.39007099	114.811579	109.3085414	92.02510604	110.236675	84.79074929	84.79074929
Cd70	17.39823315	26.93690269	19.57903236	28.46611085	20.9098076	19.9355689	19.84542373	78.7895723	32.6700613	57.57752995	15.7339118	49.9595651	68.10786672	18.07109303	22.27553883
Utrf1a	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193	518.635193
C3	10.9835778	11.0196812	10.9642512	4.31304708											

483318N02R1k	340.6390911	326.4119475	346.1572922	349.356815	365.4055091	349.3035572	367.1403389	392.2186381	385.2360308	366.164925	372.1695576	308.4545221	384.9142816	399.5225136
6.409875371	7.130385807	11.74174942	1.72521838	13.9339137	11.74128057	9.922711683	0.838074013	7.502414226	18.35194135	11.35044839	5.20518688	9.37927467	1.437131344	
7c7	281.868628	2679.79778	2679.79778	2679.79778	2679.79778	2679.79778	2679.79778	2679.79778	2679.79778	2679.79778	2679.79778	2679.79778	2679.79778	2679.79778
7c9	4486.720383	4078.058423	4078.058423	4078.058423	4078.058423	4078.058423	4078.058423	4078.058423	4078.058423	4078.058423	4078.058423	4078.058423	4078.058423	4078.058423
Epm4	4.8691276	51.8512662	60.3014968	54.3443934	65.8697774	75.05117021	81.18582433	7.61703124	51.16413604	47.19070632	35.94308655	88.48786684	70.72299816	71.70570004
82h	1428.88511	1483.96142	1537.34562	1426.01756	1441.534744	1474.369918	1484.798251	1640.11084	1592.108283	1542.436975	0	0	0	0
Fknk1	8.41528534	3.16904034	2.9444081	5.17655518	0	0	0.90200475	1.35206052	0	2.62170501	0	1.75066213	0.852084315	2.71066595
Msh4	2219.743161	2538.42265	2538.42265	2538.42265	2538.42265	2538.42265	2538.42265	2538.42265	2538.42265	2538.42265	2538.42265	2538.42265	2538.42265	2538.42265
Cb21	824.1876823	673.864954	859.1279811	72.708854	777.1367007	772.9569119	81.0538519	815.4602147	78.10058952	75.05703011	75.74624297	75.6169086	70.0084928	76.4535875
Foxn2	947.7458584	931.700122	914.334888	914.3659848	928.772246	934.281572	930.59624	908.4722302	984.1576723	956.9225559	994.1101044	966.4262104	976.4862251	920.4325839
Pygpr12	396.495765	413.507684	427.600668	400.2507707	392.6852115	390.686828	439.3051661	465.1310772	437.9050193	555.8016522	440.7757456	408.6105709	455.8651086	425.5742409
hont1	105.3050564	90.9635487	90.9635487	90.9635487	90.9635487	90.9635487	90.9635487	90.9635487	90.9635487	90.9635487	90.9635487	90.9635487	90.9635487	90.9635487
Grtz1a1	0	2.376788026	0	1.86530042	0	0	0	0	0	0.873501146	0.945870659	0	1.70416683	0
Mett14	284.7810658	273.8813711	263.1421949	262.233236	245.7448388	307.9202217	281.44191	300.8970148	364.1864353	278.64863	350.9180292	234.2322687	292.249031	240.3455373
2700099318R1k														
Cm1976	16.46253667	26.14464628	32.10961307	16.38957897	22.80107679	17.53532014	34.36103454	0	61.30139315	25.35953516	25.35953516	32.09853993	17.88377062	18.07109303
25300441515R1k														
Crem	826.8739229	674.2149692	592.8530999	620.2161727	411.0527455	479.064943	482.604224	327.8689391	931.6925766	506.963142	498.4735883	402.5330413	402.1837968	398.660492
Gm2225	2.74098405	0.792262099	4.689987767	4.313047098	1.266726489	5.307064029	7.216517714	1.493070065	2.257242368	10.4868263	11.35044839	7.80772597	0	4.517773258
Cu12	407.425492	474.1197947	404.292395	1356.884617	1235.681697	1329.921664	1317.915548	1544.570406	1419.005499	1538.941367	1556.957299	1281.339013	1282.386894	1339.971548
Bambi	28.3885993	32.46274235	36.0254195	15.5209695	24.06700329	27.30509942	14.012943	27.6564423	26.3349429	28.7384967	29.4741339	19.0556184	13.63330494	21.0931164
Mapk8	589.7085341	570.8254031	700.9253065	519.2008706	614.9557102	569.5471982	655.0062006	488.5120016	444.0043838	488.5120016	596.9659658	602.0215501	588.2140782	681.200257
483314923R1k														
Mtpap	54.94178889	41.9898645	45.2180673	31.91545833	34.84349744	28.75720549	42.39701454	38.551404	15.0482245	39.3255886	46.3476424	20.4500256	56.9239430	40.23967763
493020K01R1k														
103	103.4737024	103.7574471	7.74890868	69.6008735	62.06959794	54.50372801	68.55691832	112.301717	65.4002886	66.12329168	85.1263269	46.8465174	34.9354662	54.4019241
Wp1	69.21231	70.964277	70.249612	65.926102	65.926102	73.8197425	69.958562	73.8197425	73.8197425	73.8197425	73.8197425	73.8197425	73.8197425	73.8197425
Zp43b	37.5455574	53.0815457	41.50574861	69.6008735	29.1340924	54.50372801	3.76339445	52.7986622	33.8585352	31.7137382	34.05134516	19.0561834	31.5271966	39.7640647
Gm10125	0.10596482	0	0	3.450437679	1.90089733	0.701412963	1.80412943	0	2.257242368	0	0	2.602584319	0	0
Zeb1	77.0011471	638.5631789	691.531423	647.8196742	400.2235115	547.1019885	634.1514945	609.7789075	507.8795327	545.314286	630.8957561	555.21988	499.3214087	401.5931730
Apagp12	307.401718	323.228695	301.5170894	294.1400826	278.678675	299.527321	278.646813	299.144388	273.1283576	359.173092	304.910365	308.6454221	369.1434529	349.0148359
Rfb	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427	3804.42427
Erp1	414.8105061	457.1351789	404.738712	414.0525214	427.756604	492.9234581	519.5892757	487.7590756	439.048076	456.176782	471.043608	528.3246167	544.16094	528.830258
Rab18	935.841802	1006.950513	1004.795941	1034.268894	1041.882537	1071.053472	1083.376225	1117.990743	945.7841303	1087.134049	1120.369614	1102.369614	1083.3627	1123.8617
Wp51	221.5985485	202.819742	197.566462	180.285387	185.307068	204.111256	203.799258	189.404727	176.064047	221.9171041	224.980511	222.947423	218.479251	210.4199301
Wac	69.21231	70.964277	70.249612	65.926102	65.926102	73.8197425	69.958562	73.8197425	73.8197425	73.8197425	73.8197425	73.8197425	73.8197425	73.8197425
Cmcy	1278.31228	1277.91862	1145.95562	1421.580234	1235.69169	1306.732057	1347.684684	1487.581733	1405.509581	1415.72119	1497.313316	1398.455307	1280.68276	1351.717759
Thoc1	928.5162233	972.1054484	962.5052309	942.8320957	959.5453151	928.670548	961.006896	1074.447867	1076.647226	1114.235683	977.704178	954.2573369	1004.89599	886.7106329
Up514	1851.538296	2033.736576	1969.650566	1861.511128	1896.289553	1746.517886	1846.524741	1899.913748	1901.330488	1927.827743	1901.921106	1978.05718	1789.08821	1927.91688
Rcp129	2598.146745	2461.474594	2461.474594	2461.474594	2461.474594	2461.474594	2461.474594	2461.474594	2461.474594	2461.474594	2461.474594	2461.474594	2461.474594	2461.474594
Greb1	0	8.71480294	0	1.72521838	0	0	0	0	0	0	0	0	0	0
Escot	706.062908	824.7747509	654.7228422	671.9727379	772.703158	775.0611503	834.4086612	650.354341	633.523912	672.9045161	760.4800418	775.570127	785.621738	814.6737138
Snpd1	1895.491717	2026.113362	2080.076398	1898.603333	1953.925609	1962.97564	1920.042821	2070.042821	2021.748747	2134.94251	1902.03692	1950.20383	2076.529476	2089.109619
Mn1	55.1533362	50.6229559	54.7180673	588.2996242	552.7832771	411.779311	505.6512172	57.1094343	61.0270564	58.0326279	578.8726878	497.5974639	491.5337305	464.1934241
10bhp8	100.9135486	986.7852311	986.7852311	986.7852311	986.7852311	986.7852311	986.7852311	986.7852311	986.7852311	986.7852311	986.7852311	986.7852311	986.7852311	986.7852311
Gm2277	14.65311537	14.26071615	14.0180638	14.1806938	3.80017946	6.31271552	11.72684129	4.19037005	3.762010613	5.61737062	3.40112425	9.37927467	2.71066595	5.748252376
Cables1														
Tmm241	1829.165157	1714.458962	1621.14388	1922.37689	1014.647917	1268.154353	1271.914232	971.5664769	903.6496819	1032.95127	1372.458384	1149.474741	1126.455465	1028.12396
Rok3	86.9915571	104.057922	118.257355	81.0825835	105.132985	143.088212	120.876718	77.94088321	68.4698615	80.0742339	87.0233873	113.3272139	72.8423713	102.748911
4833102H16R1k														
103	2025.66594	1813.487377	1925.010462	1970.199914	1675.879414	1877.772191	1900.510584	1852.023793	1793.755258	1762.642703	2086.580741	1783.180596	1847.931066	1811.504509
Thoc9	1922.96611	1719.208558	1798.21493	1827.00651	1834.567748	1455.431272	1577.111638	1488.41947	1586.84135	1475.424027	1466.095983	1479.135421	1450.247504	1463.78536
Ankr2D	20.2197369	24.56012226	28.1938066	32.7701575	31.6681221	69.355586								

Epg5	445.02849	415.1452925	436.220841	480.4734467	419.919831	368.9431358	442.0117102	403.1136003	445.4291606	383.6429643	406.7244005	366.0968608	400.4796281	452.6808804	413.8938271
Signle15s	0	0.792262009	0.78316210	0	0	0.701412806	0	0.704921042	0	0.873091901	0	0	0	0	0
Sic14s1	640.9875371	561.713764	501.222825	536.804046	527.5915824	551.944653	709.8249305	222.9278875	303.2228914	304.5134516	538.734954	549.5943033	548.2223684	498.2223684	498.2223684
Setb1	643.7167509	660.693503	579.8100206	579.8100206	505.3605693	681.9638362	592.7177171	395.0174144	395.0174144	322.7571596	324.4336947	385.3819245	385.3819245	385.3819245	385.3819245
Parldg	88.8225587	88.7334493	82.4130275	78.4974519	76.3695256	92.5864905	92.9186562	105.5972526	101.0420883	100.4897264	85.12836289	98.8902412	98.84178056	93.9668637	89.820709
Adn2	505.4645478	521.3084016	526.2843899	535.6804496	498.4568732	502.9218617	521.837141	497.8159368	547.0006181	463.1680435	475.7279615	464.995065	401.0255773	440.93467	477.8416719
LC105246506	0	0.79262009	1.566322589	3.45043769	0.63363244	0	1.80411294	0	3.762070161	4.369509845	0	1.735052312	0	2.710665952	0
Tsh1	412.9791132	390.175139	375.1342617	375.1342617	324.290986	394.297415392	302.54471	302.54471	302.54471	304.5134516	497.73821	398.655231	398.655231	398.655231	398.655231
TonLda	375.1366967	401.0430287	382.5749204	405.595385	340.247089	400.157321	392.17738	416.111664	459.1461148	435.427668	421.673446	388.932332	388.932332	386.635651	381.614848
Pdcl1	113.0405422	94.2791991	99.4614844	127.6661941	98.1779282	98.1779282	107.3457011	96.3785115	105.8227965	110.9855501	103.0999902	99.7657222	115.0313825	84.0305826	94.1321003
Cjg1	330.530272	139.9269968	139.9138681	128.112379	1447.868376	138.9797355	132.0022742	121.937989	1428.082005	1397.369248	136.8914418	136.8286655	1321.582773	131.575573	131.382351
Nfct2	114.7159867	32.9817479	32.9817479	30.9617000	30.9617000	30.9617000	30.9617000	30.9617000	27.8245076781	27.8245076781	27.8245076781	27.8245076781	27.8245076781	27.8245076781	27.8245076781
Atg1	893.719756	900.006417	442.9261968	94.7172979	73.3365213	98.1758969	90.2056584	98.673914	902.8969471	945.5615304	941.1413453	1003.730019	923.6693976	1003.849218	987.3056233
Mtp	246.054528	245.635244	244.6595884	240.1330719	241.647414	239.742897	259.43812	238.3482493	244.8035683	227.1721217	220.165243	250.512748	250.512748	248.054304	238.024503
Zp2b6	577.2089093	792.2608526	820.7538603	802.2267603	887.9752083	86.1716787	906.5750384	715.12071	789.284211	688.634715	828.5827321	895.2890327	94.1094212	85.8376919	99.88077184
Zp516	118.124861	110.9168812	105.7297748	86.26094197	98.1773028	63.1271562	52.7196628	52.7196628	51.9165746	50.6863142	66.21094891	72.0406382	90.9440098	100.5991941	100.5991941
Tsh1	941.355993	1003.60703	1069.015103	104.076974	94.9637999	1139.30216	97.6910433	97.6910433	40.4983402	67.2154165	101.400918	100.1400918	100.1400918	99.8616795	99.8616795
Zad2	779.257058	808.8995107	848.1563819	879.989996	966.062055	73.6583427	842.5284436	758.4569818	794.5493134	694.7520653	790.7479042	725.2534968	803.5155092	765.3107899	753.7753899
Zp407	437.702182	484.864342	415.074861	433.0299287	451.5879932	394.139968	51.8610109	434.122388	505.6222904	361.7954151	476.1188322	489.258519	487.322283	473.4623674	431.0436699
Cn2p	5632.450496	5674.180505	5732.740676	5518.975067	4643.189944	4733.835026	4699.550693	6503.45432	6431.346225	6412.692648	6392.194182	4941.139306	449.582944	442.778222	4578.700462
Cybe	1443.137655	1286.63502	1386.978653	1312.028927	1135.620397	1209.235677	1183.509996	1553.3892	1469.464781	1524.743566	1274.398708	1094.928345	1158.357623	1220.840377	1220.840377
Hx15	0	0.79262009	2.344483883	0	0	0.902067415	0	0	0.873091969	0	0	0	0	0	0
Timm21	289.380062	267.7845899	323.6267115	266.5463107	275.5130113	285.4750119	264.3049614	238.2690164	337.0815269	278.7747281	329.1630032	304.9385458	253.921259	272.873504	269.42127
Soc6	265.551977	343.0404947	347.7236148	286.3863273	280.5799172	291.0863144	290.4678634	249.4768364	342.348258	369.6605328	349.0262878	353.083993	297.377426	334.315221	290.300315
Rtm	335.1449123	362.0637379	364.953132	338.1428265	338.1428265	338.1428265	338.1428265	338.1428265	338.1428265	338.1428265	338.1428265	338.1428265	338.1428265	338.1428265	338.1428265
K225	769.185106	880.85106	880.85106	880.85106	880.85106	880.85106	880.85106	880.85106	880.85106	880.85106	880.85106	880.85106	880.85106	880.85106	880.85106
Tmx3	1067.702098	1143.234078	1121.486974	1066.185243	1019.714382	1066.848777	1155.5449	1112.962298	912.6783077	1077.121528	1156.79986	1182.440089	1243.191016	1126.996634	1060.602932
Ighm2p	467.9200921	465.057799	439.3534862	406.2890367	393.185747	411.0279041	424.235747	444.179269	410.056968	439.5726904	388.7528572	380.848367	387.686334	422.8635769	420.3609181
Mp21	773.7635269	805.899991	802.7403268	728.0423502	775.8699742	790.492322	810.0541139	927.7479325	811.854833	884.7992493	766.894846	840.1551347	731.311783	727.9070257	727.9070257
Uf15	695.929328	729.9717159	745.599524	744.203292	750.5354445	785.5823424	785.5823424	785.5823424	785.5823424	785.5823424	785.5823424	785.5823424	785.5823424	785.5823424	785.5823424
Uf15	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504	6.63575504
Ppp2	281.682377	277.971203	285.921886	273.1844032	264.2391455	260.137271	286.042711	301.119929	241.779063	275.843016	275.843016	289.4941291	295.528405	287.659918	275.659918
Lp5	271.041685	280.40751	293.685484	362.299563	335.682519	303.010332	305.7999383	325.1277171	333.314963	305.162357	290.6219156	328.062415	260.227397	331.2587748	331.2587748
L1810955G2Rk	302.179839	240.0416986	288.2033564	262.493498	235.6111269	249.709588	224.61414	325.1277171	347.544643	221.703355	247.90868	297.377426	219.5637803	229.224494	229.224494
Suv20b1	155.1325804	172.671678	162.716787	162.716787	162.716787	162.716787	162.716787	162.716787	162.716787	162.716787	162.716787	162.716787	162.716787	162.716787	162.716787
Chng	141.0172582	103.313362	187.9587107	203.575823	202.0428749	178.1588527	231.3759963	238.0130197	20.1241556	271.7835123	224.1713556	238.570292	210.4648258	219.5637803	226.3481867
Tc1a	595.23713	800.1846286	690.7482617	681.4614415	656.1462311	601.8121873	581.831741	709.8486891	654.6002687	766.4120267	637.516851	623.7257187	646.0415759	665.101792	646.0415759
Nduf8	1262.745448	1346.845414	1385.41233	1324.968009	1300.928104	1341.802697	1215.983236	1429.754266	1467.20739	1391.251934	1263.683254	1273.53126	1224.44515	1242.134123	1242.134123
Nduf8b1	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062	655.132062
Ucn3b1	94.6075371	73.8089679	72.1251522	74.412352	581.793177	530.555285	630.5432256	541.723893	531.204395	578.523104	468.2059959	618.5475398	504.2214558	582.7927509	582.7927509
Acy3	83.18139263	3.16904034	1.566322589	2.58782259	0	1.402825611	3.60825889	6.740592104	0.75241423	0	0	0	0	0	0
Ndu13	96.14813056	117.2547773	101.1052651	126.0717515	142.3867996	114.5622188	112.3019177	165.331107	130.2113934	100.2622941	126.6591035	118.4397198	130.911218	132.9346493	132.9346493
Dcdg	83.18139263	14.2907165	6.26529306	6.03856938	6.33536243	6.31214255	11.7284129	9.028444078	17.3055428	11.3307256	11.3504489	9.542609199	11.0770961	29.817305	18.6827047
Ndu14	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516	1970.355516
Gstp1	13927.73448	1396.757921	1418.305412	1054.106234	1378.831783	1361.142526	1997.156672	1465.791449	1363.37439	1408.779294	1188.016997	1341.194852	1399.122445	1397.981742	1276.172633
Gst2	83.18139263	0	0	0	0.633362244	0	0	2.514220329	0	0.945870699	0.867528106	0.852084315	4.517773258	1.43713344	1.43713344
LC021614	190.4648682	179.8434759	248.2612304	225.1410585	331.2489768	360.5261821	352.7073005	146.6629523	139.1966127	191.3845312	202.4163296	287.1518032	292.2649201	285.5232699	281.6777434
LC02ap2	159.4504829	116.532829	123.111845	126.279232	128.061668	122.975648	128.925554	105.623096	103.213176	1407.80461	112.748519	136.828658	137.820338	148.626299	150.184898
Tp1cm1	1584.155193	164.985029	163.921829	167.4324884	161.6421418	167.4324884	167.4324884	167.4324884	167.4324884	167.4324884	167.4324884	167.4324884	167.4324884	167.4324884	167.4324884
Alp	95.9649122	93.849817	106.362263	107.086118	97.469303	110.0423756	99.6837545	90.0520788	92.993512	800.0192827	81.0429219	116.742941	141.054340	103.9914074	98.0277929
Tcmn134	0.95196627	3.16904034	1.31264578	1.75218839	4.4335472	1.04285611	9.02064748	5.028444078	5.62688888	0	3.784382795	0.672696744	12.78126473	13.55331977	2.155697016
Lp152	190.4648682	179.8434759	248.2612304	225.1410585	331.2489768	360.5261821	352.7073005	146.6629523	139.1966127	191.3845312	202.4163296	287.1518032	292.2649201	285.5232699	281.6

Atg2a	613.5166426	689.2679474	617.9142614	633.155314	665.0314065	619.3475074	738.7910014	740.0193535	690.7161645	717.4735165	656.4342649	632.4279895	711.4904032	707.4832922	720.028033
Edn1	2287.409481	2019.477686	1927.00014	2004.415671	1894.928553	1987.803891	2104.51698	2059.985924	1804.290666	1780.250023	1702.662211	1709.366665	2016.03149	1853.19035	1902.761899
Lcd42bpg	1607.191356	1581.478605	126.439523	126.439523	1896.033494	1784.738804	986.8186577	188.404721	176.8173188	188.1760117	174.105103	128.6591035	124.40431	132.648636	132.648636
Mapk2	1669.614686	1876.866869	1888.446527	1701.065776	1839.288661	1715.655723	1934.928813	1582.283737	1853.199584	1766.155879	1711.080094	1647.600599	1721.689945	1495.048671	1914.258995
Spl1	9084.624794	8626.94141	9011.264036	8716.68188	8459.199491	8905.813625	9095.158193	8871.851502	9131.52563	8631.882066	8835.737362	9150.533461	8472.631968	8814.645098	8814.645098
Pymn	31.51339959	38.61310043	62.0629356	44.5658682	91.30342279	61.0229141	57.73214175	15.92340476	35.3643676	16.60413741	48.2940564	27.708094	48.2885936	44.27417793	33.7159403
Rasp2b	783.891269	1153.533104	1081.5457	0	2.587826259	0.63362244	1.02825611	1.78412943	2.51422039	4.51448735	0	5.675224193	0	0.90354652	4.31139432
K3a.1994947	821.5751028	869.309369	735.805835	730.2678207	722.966119	764.950871	807.0525746	645.5713712	762.0425195	799.2607405	756.485087	841.5926053	830.3667448	916.8897974	916.8897974
Ccdc88b	3621.579955	3511.305222	3699.613438	3560.851684	3590.536232	3681.484426	3781.455284	3227.424204	3900.917216	3319.079678	3229.202566	3408.51739	3491.841526	3469.649682	3474.98359
Trp2	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177	1130.225177
Tmm112	1269.155323	1366.651293	1333.626781	1268.055487	1273.002161	1310.940534	1256.678042	1178.386722	1190.31042	1292.501012	1247.603452	1178.1031683	1255.120168	1289.372488	1222.280308
Esrra	492.6447071	564.425399	389.613891	357.120297	351.616006	363.127881	349.090446	422.389302	330.907996	379.2734545	382.1317623	370.320295	330.6087143	346.061134	334.8516031
Mir990	1331.92963	0	0.783161294	1.75218839	0	4.3354271	5.61130246	1.80412943	5.866518091	0	6.991215751	0	6.702684919	0	2.155697016
Tex40	5.49417889	1.584524017	3.91580472	0.8260942	0.8260942	0.8260942	0.8260942	0.8260942	0.8260942	0.8260942	0.8260942	0.8260942	0.8260942	0.8260942	0.8260942
Qpr137	63.9204525	66.55000971	91.62801429	97.33032011	77.8566214	58.634266	122.388059	75.99382638	90.6242445	0	6.991215751	0	6.702684919	0	2.155697016
Pcb	209.654493	225.002414	235.4408397	163.033103	201.4095117	185.1729807	167.979075	217.8992344	123.6856108	214.9798844	214.7126486	198.639363	181.4935991	208.727306	200.479825
Plac3	193.2119576	220.068328	220.068328	208.7514796	170.0749819	185.1729807	170.4902311	186.0524309	176.049404	223.718904	190.1200105	168.304526	194.2752239	169.8682745	225.629621
Vpgr14b	2688.4847	2732.511667	2761.426724	2963.06337	2789.331728	2968.37908	2627.714514	3398.390123	3266.98212	3361.900074	3250.011721	2744.858928	2703.663532	2726.024384	2593.3035
Fhbp2	374.380572	725.711998	666.4702616	695.251322	720.761372	683.874656	708.9249305	626.0412878	661.3720137	654.5525747	632.7074975	632.7074975	625.2819176	570.8539155	643.8349421
Ppp1	325.907474	323.155667	296.8181306	317.402264	316.816221	337.170827	318.428864	313.708873	313.025258	294.0620611	305.5162537	281.9466345	301.828593	293.893598	293.893598
Dnajc4	75.0871149	69.6556904	91.6287146	17.13148811	84.2731149	80.66247266	97.4729892	77.4088321	75.2411262	71.65996145	65.1280196	56.42809169	103.954264	103.908748	117.1262045
Nudt2	100.726613	104.5789851	105.7267748	107.726175	120.390164	83.48812388	101.9332176	97.21658551	94.80417945	88.2640988	90.7210011	78.0775297	106.510394	93.0661291	84.79074929
Trp1	9188.27778	7.73572051	4.6989677	6.03826598	6.88708542	18.2873595	13.53097072	5.028444078	7.524141226	2.621705507	32.15960376	67.82597	15.3375167	17.22843173	17.96441148
Fernm2	5695.85917	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921	5344.95921
Snp1	1022.227791	7596.208138	7547.325395	7164.83384	6992.330217	7159.320508	7172.315612	7676.75796	7156.21072	7607.316596	7628.447186	6741.560719	7097.010261	7005.259214	6470.037961
Macrtd1	204.2003154	213.1184803	219.2851625	179.4227593	206.4764176	237.778941	269.7113493	179.3478388	230.1518131	156.4284524	150.3934411	245.5104541	213.8731631	177.8746867	200.479825
Otub1	1777.366871	1763.573213	1898.441752	1607.61208	1881.088835	1817.36508	1841.714097	155.526362	2063.871938	2061.53471	2023.217425	1779.253292	171.837389	1884.815033	1840.965252
Cox8a	3636.207382	371.867108	3240.065373	3351.237595	3361.60331	3433.32814	3343.95898	3269.328725	3462.524973	3506.046699	3453.072962	3453.072962	3453.072962	3453.072962	3453.072962
Naad4	1148.628445	1297.72517	1251.401749	1310.303708	1250.25804	1235.187795	1309.739766	1522.13371	1590.501383	1401.780318	1406.486983	1401.780318	1406.486983	1401.780318	1350.803463
Rcor2	5.42069241	38.44405239	38.4740343	31.91654853	50.66905954	43.48759385	63.14453033	23.4660723	31.60139315	35.82998073	35.94308655	58.9911233	38.78754124	57.8274971	40.9582433
Mar4	3000.73737	3112.005169	3098.96242	3001.912127	2944.505723	2796.749547	3033.369896	2734.635505	2915.602475	2680.25739	2684.791189	3097.07539	3027.15973	3123.623977	2984.921307
AB8416	207.589652	251.147057	273.323218	281.210678	335.245977	253.911497	276.933678	261.011694	221.209752	228.962319	230.306709	233.656066	236.073594	280.101492	279.5220464
7700801015R1K	365.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057	364.1378057
Rtn3	4663.814221	4900.14253	4946.446736	467.704955	4796.459849	4786.440986	4842.28339	4358.194404	4942.664726	4360.770625	4432.350094	5107.137962	5016.220363	4783.362391	4856.06611
Am3	3039.196262	3003.217824	3161.622146	2919.070276	2681.026613	2908.057492	3194.211152	3804.901712	3087.154258	2975.887829	2917.065235	3094.472755	3084.545221	2876.913021	2923.125154
Pa2g1b	676.699999	748.687599	758.510778	746.157148	633.532755	702.114428	701.028196	667.675796	861.514704	730.582046	662.1049891	776.4376551	764.7966543	839.4022713	747.3062988
Gnc3	93.9204525	66.55000971	91.62801429	97.33032011	77.8566214	58.634266	122.388059	75.99382638	90.6242445	0	6.991215751	0	6.702684919	0	2.155697016
Shgl1	795.740245	873.072737	930.3956179	698.132639	769.533518	838.188034	783.894217	815.460417	874.404661	933.273028	924.1156727	884.0111403	894.6351191	844.8235992	964.5131318
Ssnr2	0.15969642	0.173586077	0.62529036	0.8626942	1.26672849	1.402825611	0	0	2.257242368	8.739019689	0	0	0.85204315	2.71066395	1.43731344
Vdr4	147.765514	151.051388	140.71486	138.963775	139.990407	133.205523	130.189707	151.5237816	170.146117	150.2287	137.178737	1334.28272	123.514028	1353.524868	1295.329596
170092007R1K	0	1.584524017	1.31264518	3.45043739	1.16681221	5.61130246	1.80412943	1.67618026	0.752414122	2.621705507	4.72935494	6.72696744	0.85204315	3.61421606	0
500.885974	118.628445	1297.72517	1251.401749	1310.303708	1250.25804	1235.187795	1309.739766	1522.13371	1590.501383	1401.780318	1406.486983	1401.780318	1406.486983	1401.780318	1350.803463
Nr1	1813.07903	1932.612157	1990.79601	1953.107319	2046.396642	2207.70293	1800.02349	1813.622061	1984.88485	2153.29441	2200.05245	2159.275747	2144.696221	2111.672071	2283.007106
Tmm22	388.2553082	373.155406	344.590696	420.933968	423.086642	422.255009	327.4494915	473.518174	434.8951824	426.464108	489.015153	373.9046138	341.6858104	405.696308	370.061321
Tmm179b	146.514371	173.5053799	180.127097	156.132305	176.0749819	172.0470483	172.2946035	118.184368	133.9297138	126.7466736	183.0484304	171.2689473	150.893626	175.330024	150.893626
2	179.4765104	171.920658	165.2470331	205.3001449	200.7163484	179.5616783	194.845974	193.5953097	171.4476814	203.6191588	167.419137	178.107899	220.204043	221.370886	158.08776
Cm215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polr2	829.6210123	825.5307129	811.3651181	709.9275524	819.9512289	783.182425	819.636848	792.290711	890.5011982	881.0101982	784.612828	725.975835	787.117992	720.71369	720.71369
Zbtb3	4.8691276	45.1589348	46.898677	43.993004	43.0087061	56.11320446	31.57256022	27.6564423	44.3924323	34.9560782	32.15960376	45.9789863	40.0479623	37.062333	31.6186957
Tec8	110.404212	104.86669	107.411033	99.7643174	93.1037982	92.677282	99.7879451	97.8470442	107.44787	104.956265	104.104536	104.104536	104.104536	104.104536	104.104536
Tmm212	774.893265	707.410784	750.693136	750.693136	750.693136	750.693136	750.693136	750.693136	750.693136	750.693136	750.693136	750.693136	750.693136	750.693136	750.693136
Gng3	12.81975074	10.29940611	3.915806472	12.0765318	13.3062813	7.6142557	11.7284129	13.4091842	9.78138394	20.0974528	17.02567258	7.80775927</			

D19Bwpj357e	2482.453162	2276.16875	2458.343303	2311.793245	2257.939966	2322.3778	2322.218641	2908.386018	2529.61628	2584.128122	2652.221439	2321.505212	2243.538002	2098.957456	2148.511359
C030016103Rrk	0.915964862	0	0.78316294	1.75218839	0	1.40282611	0	0.752414123	0.873091969	0	0.867528106	0.7668758836	0	0	0
Rh3	95.88129038	102.2017991	102.5941296	106.1009586	93.10436991	98.78083913	90.28375962	93.0262102	72.32175577	103.1204233	69.99434171	91.95797927	91.17302172	82.22347329	72.63056208
Cilic3	0	0	0	0	0	0	0.839074013	0	0	0	0	0	0	2.155697016	0
S1c1a1	7.325571853	3.961310043	0	5.175665518	3.166816221	0.701412806	5.412388299	0.839074013	0	0	0	6.072696744	0	6.324880751	0.718565672
C402402180Rk	0.91596482	1.584524017	0.78316294	0	0	0.902064715	0	0.300966499	0	0	0	0	0	0.903554652	0
Pwpdcd2	41.7127282	154.4910917	166.8133557	119.902793	146.047277	168.6861017	162.5865858	164.778928	133.7070012	157.9604087	158.7576434	202.796967	158.7576434	165.2701046	165.2701046
CdcdT71	411.1969387	407.3074742	475.3074742	421.186474	421.186474	421.186474	421.186474	421.186474	421.186474	421.186474	421.186474	421.186474	421.186474	421.186474	421.186474
Ak3	674.8618039	745.518955	682.133475	733.2180673	698.696877	686.6813768	664.299537	674.8618039	591.6316329	572.1640668	756.195987	725.9758385	699.3513003	733.655511	733.655511
1700810.020rk	0	2.376786026	0	0	0	0	0	0	0	0	0	0	0	0	0
Gm895	2.747089445	0	7.831612945	0.86260942	8.008179466	0.701412806	2.706194144	5.866518091	0	2.167109338	0	0.552168638	1.70416863	1.807109303	0
Rc11	143.395423	1398.734024	1398.734024	1398.734024	1398.734024	1398.734024	1398.734024	1398.734024	1610.16622	1510.381399	1405.820614	1398.734024	1398.734024	1398.734024	1398.734024
Isa2	1789.270925	1777.835947	1627.40917	1762.310104	1736.048653	1872.077018	1925.006301	1808.594421	1288.559448	1743.434428	1601.359093	1841.43195	1843.058374	1773.677781	1970.37073
In6	119.956291	97.4482705	107.7291622	107.7291622	96.7518775	116.363482	116.363482	116.363482	101.108399	96.2517233	96.2517233	96.2517233	96.2517233	96.2517233	96.2517233
P1grkt	279.274229	313.735154	296.034963	303.5174979	325.1092285	325.1092285	325.1092285	325.1092285	343.1008399	304.991771	326.3253911	390.3876478	378.3254359	372.935838	372.935838
CdZ74	529.2572563	641.996489	595.978089	501.1760728	447.7878137	543.5942844	506.9632609	543.023818	538.728518	407.238315	407.238315	407.238315	407.238315	521.351034	506.5887897
Pcdcl1g2	226.177035	194.1043921	201.2724507	194.0871194	173.545289	152.9079915	219.7937955	286.621325	246.7918322	242.7450021	207.145665	170.900359	191.553586	191.553586	191.553586
A03007191Rk	0	0	0.78316294	0	3.166816221	0.57064029	0	0.510428245	6.991215751	1.891741398	3.07112425	0	0	2.155697016	0
Rc1	60.0718406	636.9786548	649.207131	635.743423	504.1571424	546.4005757	618.8163943	536.3546012	668.1437409	611.7313782	591.6541685	589.6423641	573.5772037	540.0727391	540.0727391
Emp1	763.698656	749.47986	681.3551011	762.719458	702.0699498	748.4074637	755.930231	485.6166792	796.054147	776.0249484	866.4175601	875.3358592	843.563472	852.955911	749.4639959
9390021.030Rk	548.5001925	440.458983	474.5987445	397.662425	401.552269	427.861815	508.7644991	463.4502922	514.0512598	428.698947	424.6959437	483.963891	484.618967	428.6959437	428.6959437
Ranp6	216.1043698	232.1327685	255.310582	219.965402	214.0137398	214.0137398	248.9638613	296.672006	272.3739124	248.1881952	267.6814078	248.8409546	222.3840063	251.1881931	276.6477837
ll3	10.98835778	15.05297816	3.915806472	2.587828259	0	2.104238417	2.706194144	0.21881414	6.717172703	4.369508054	4.729354349	0	0.816674521	4.51773258	1.437313444
Rh2	990.35931	973.690058	102.808651	937.6564392	864.504284	901.3154553	950.7762094	101.09198	1008.234924	987.5092249	1000.731199	915.2421251	916.8427231	964.35099	964.35099
Alc	125.45048	166.3750218	163.8807105	132.8418506	53.20251252	47.6960779	47.6960779	47.6960779	121.5027319	92.6489378	167.789178	171.7374071	151.250891	64.15238026	65.9523448
Cd12	158.007471	133.6243488	64.541744	69.762763	69.3131373	62.9244977	68.968687	68.968687	64.71909094	68.968687	64.71909094	64.71909094	64.71909094	68.968687	68.968687
G1d	17.39823315	7.130358077	0.0485165	13.80175071	9.50048664	13.32684331	15.33510051	9.21881414	0.30966549	11.3672591	6.575224193	4.337640531	12.78126473	14.67019048	14.67019048
Asah2	62.2673905	72.0958427	72.0580399	61.2452688	49.94655798	49.94655798	73.0674129	46.9407072	38.37312025	67.29045161	45.97898631	72.42716679	45.1773258	61.0780212	61.0780212
Sgm1	86.99116575	76.55000871	94.76251661	78.4974519	87.40412771	121.3441514	178.1704776	76.2647351	75.2412426	100.4887264	78.077288	107.5734852	155.0793454	115.6549954	102.0363254
170156609Rk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pwpd2	107.133791	1193.528967	1140.23845	1190.60461	1159.6881	1159.435368	1179.900647	1287.281684	1286.293655	1185.01107	1118.019166	1180.70573	1147.757373	1082.45847	1148.986509
Atad1	62.2673905	62.2738863	60.3041968	57.7341182	36.7530851	37.9681326	50.2137884	198.673284	198.673284	162.5457662	127.6925443	98.991123	49.2890628	66.6468927	66.6468927
Plen	1791.494525	1884.791318	2043.267817	1792.502274	1892.489374	1896.622207	2085.37324	1921.484898	1818.584394	1839.563645	1804.721293	1974.3997	1926.362937	1765.545768	1918.416447
Atad1	1348.82091	1479.735191	1541.473493	1578.575238	1599.902778	1843.488084	1583.132574	1696.261802	1586.08897	1717.269953	1451.911523	167.779358	158.95063	1555.92111	1591.622963
Lipm	16.48253667	25.3639427	25.3639427	25.0167747	18.36753408	16.3390773	23.45382672	36.96868201	23.45382672	29.12391616	29.12391616	29.12391616	29.12391616	29.12391616	29.12391616
Lipm	72.3400624	72.0958427	84.5811498	84.53572313	60.80287145	76.45399587	77.5775657	136.6060413	81.2607254	120.598471	93.31642337	81.5474199	103.1020221	59.634607	76.16796123
Lipm	0.91596482	2.376786026	1.56632589	6.90087537	3.166816221	0.701412806	1.80412943	0.839074013	0	0.873901969	0	0.867528106	3.408337261	1.807109303	5.748525376
Stamp1	171.9900451	817.413928	794.9087139	696.9844117	756.8690769	740.6919228	187.1933435	371.6386134	768.2148192	738.4771637	636.5709803	734.7025989	754.967302	717.3800152	717.3800152
Atad2	3.168940034	0.78316294	0.93437679	1.268735923	1.268735923	1.268735923	1.268735923	1.268735923	1.268735923	1.268735923	1.268735923	1.268735923	1.268735923	1.268735923	1.268735923
Fas	507.295658	528.437597	549.7782287	549.7782287	502.275627	454.5633204	770.144097	579.3588744	569.7840857	569.7840857	569.7840857	569.7840857	569.7840857	569.7840857	569.7840857
C2h5h	0	0	3.16904034	6.814774239	0	1.900087933	9.922711864	0.528444078	0.30966549	0	0.948570699	3.470112425	8.52084352	3.612486636	3.59282368
Lipa	492.644701	560.687559	559.360526	496.863257	510.497749	580.0683903	600.7751	493.6255937	416.0880058	512.1065538	546.712639	591.6541685	429.143597	637.909584	648.1462361
lln2	950.482949	762.156022	696.2390329	587.4370148	717.6005558	106.124551	905.6773196	344.484194	401.036773	388.2998073	421.863317	693.1545969	657.890319	717.036612	717.036612
Rh3	769.595405	619.5148907	619.5148907	472.2403661	472.2403661	472.2403661	472.2403661	472.2403661	472.2403661	472.2403661	472.2403661	472.2403661	472.2403661	472.2403661	472.2403661
Kn0	30.403498	41.1138924	292.903241	297.0576071	486.350656	556.2203549	573.712586	101.4095956	97.0641281	88.2649886	443.911991	45.0419185	44.7880123	393.9498281	428.2651405
lln3	171.2352421	112.5012052	117.414942	100.252031	159.6705376	230.7648131	282.2227328	45.9784868	37.6207631	25.3431571	26.8437957	128.394197	92.87719035	130.118698	139.401744
lln1b12	16.48253667	17.42976491	17.22954848	10.3513104	8.233721216	11.2226049	12.6289001	3.352296052	7.524141226	1.747083938	10.4103728	9.732927467	4.51773258	6.62788074	6.62788074
lln1	854.3448173	155.357568	425.655685	455.7777403	484.564264	431.672606	74.5149074	87.15699378	73.18087879	74.30776539	125.800029	454.5847727	453.058881	445.4524452	556.168301
Tank1	102.806113	122.806113	101.810693	101.810693	101.810693	101.810693	101.810693	101.810693	101.810693	101.810693	101.810693	101.810693	101.810693	101.810693	101.810693
K02b	40.724042	1550.456751	1570.238395	1554.773487	1471.466941	1311.64147	1578.612511	1523.618556	1672.615866	1514.472112	1625.00586	1603.19194	1546.53302	173.748602	1612.461368
M1950	0	0	0	0	0.633362344	0	0.633362344	0	0	0.873901969	0	0	0	2.96248317	0
Rpp30	45.9525443	487.241352	570.942837	574.498735	528.858959	506.4200457	498.155891	558.1572927	507.088219	500.448451	585.493625	530.92701	444.7880125	530.386805	487.1875256
Rc1g5	1487.019038	1389.15217	1243.652046	1389.15217	1389.15217	1389.15217	1389.15217	1389.15217	1389.15217	1389.15217	1389.15217	1389.15217	1389.15217	1389.15217	1389.15217
Heid2	10.91339593	65.7577467	1.516886454	47.44351808	73.47013634	59.6208849	55.0259476	85.6651801	79.0034827	55.9297201	78.507268	65.9313608	85.6167678		

Art3	489.8976176	450.7970828	467.69938	474.4351808	487.686981	433.4731139	401.4187981	497.8195368	412.2329392	504.2414361	394.4280814	432.896525	424.337989	368.6502978	452.696373
Stkn2	282.0435165	242.4321746	276.6727757	276.0590143	284.4782123	278.4608839	246.2636671	277.4024983	257.3266299	284.8920219	272.4107212	368.311286	272.666809	290.0410043	232.096712
Wfn6	646.2283951	642.423351	646.784678	687.687855	1227.955719	117.10379	908.398891	983.988891	983.988891	983.988891	110.79996	110.79996	117.35551	1349.910349	1156.960732
Hm15012005Rk	175.0890938	157.4142022	175.0890938	166.2371546	166.2371546	126.504718	126.504718	126.504718	126.504718	126.504718	126.504718	126.504718	126.504718	148.0220073	148.0220073
	63.18305723	41.9898645	68.9181931	36.2295963	43.7020638	30.8621635	45.1032574	62.8555008	33.8586352	52.4341813	46.3476624	32.9660804	37.4917087	56.020384	68.9823041
Anm2	49.4471	32.48274235	38.912645	53.4817842	46.9945578	46.9945578	46.9945578	46.9945578	46.9945578	46.9945578	46.9945578	46.9945578	46.9945578	54.2317909	65.3894715
Ptsc6	581.4872658	626.6792487	604.3306455	695.6315222	604.618983	553.179708	583.658705	789.465703	692.9734069	719.2212304	658.206033	569.969568	563.2277323	600.863843	537.4871226
hna	23.7830524	14.8890564	4.6898976	2.58702359	5.0699594	5.61132446	1.8041294	0.83907401	13.0096549	14.85633347	7.5669569	6.9402245	0.85284315	4.51777325	4.67070149
Pc67	488.066247	525.297116	607.736145	527.0554352	495.923404	550.6900525	546.898929	561.1835081	610.2078534	663.2915944	580.746609	562.1582129	565.6212119	565.6212119	566.9483152
Ta5	473.415081	503.8786374	456.5242607	514.1152141	485.789084	472.7522311	586.2141809	513.1463146	546.1889302	485.2316685	551.7478756	471.2026263	487.9195118	469.9419495	487.9195118
Usmg5	770.170041	868.3191313	833.2861373	748.7493763	863.9074652	774.2021789	828.9977439	880.8157877	847.218302	844.189302	787.117213	731.088324	720.4827626	717.1285406	717.1285406
Uscd11	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754	3380.7754
Caln2	151.0899156	158.4524077	153.6807015	132.8415806	150.4509353	102.022301	146.1344638	233.295046	186.5987024	186.1411194	125.2851825	100.6332603	103.9542864	133.726088	108.5034165
Neurl1a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sh3pxd2a	31.3566426	97.4482705	92.4130275	94.8870316	87.40412771	110.1218105	128.9955242	61.17940295	93.299312	44.56900041	55.80637123	98.0367011	103.1022021	108.4265582	106.3477195
Obf1c	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623	35.951623
Om19557	11.9040525	5.5483405	4.6898976	2.58702359	5.0699594	5.61132446	1.8041294	0.83907401	13.0096549	14.85633347	7.5669569	6.9402245	0.85284315	4.51777325	4.67070149
	1794.705104	1857.062148	1853.742784	1699.340557	1646.111072	1636.396076	1801.423235	1916.675298	1890.938742	1715.495655	1819.855224	1718.573179	1794.495568	1669.769986	1786.893535
Srk	1961.42164	1766.744279	1704.942138	1757.135388	1688.546409	1809.645039	1858.232519	1951.675791	1729.047584	1751.299546	1701.622544	1729.112732	1774.039544	1867.647646	1834.498161
Ctap43	15.56684019	12.6719214	14.8800646	16.38957897	14.56735462	11.83866474	12.62890041	10.89486217	19.5627619	6.991215751	9.45807868	18.21809023	7.66875883	11.74621047	10.05991941
Ostn1	836.944001	940.1150041	909.2502629	918.790319	890.6086371	857.1264486	767.1467681	1051.782686	978.8907735	971.7789894	1202.201658	900.4941743	862.3093269	854.3745884	854.3745884
Ostn2	0.91569482	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ltpir	791.167101	844.551301	760.714876	722.0040842	691.626267	720.8165313	706.1280811	734.1528354	715.5458306	688.6347515	622.3829198	705.3003504	638.211521	655.0771224	659.6432869
Sorcs1	3.66278506	0.79226009	0	0	0	0	0	0	0	0	0	0	0	0	0
Xppmp1	1956.68609	240.581816	2015.857172	1957.260773	1727.78371	1829.284597	1804.12943	1718.889801	1677.883493	1773.147095	1937.143191	1843.497226	1868.811113	1820.591513	1814.378322
Add1	1559.43119	1899.844296	2012.724527	1850.29779	2211.077986	2032.13762	2275.007712	1476.68617	1690.671541	1595.258129	1501.90381	2304.15452	2470.11572	2125.756945	2165.756945
17000012X2Rk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mx1	872.6587469	629.0560348	628.0953582	504.6265105	482.622921	549.907367	608.8936285	250.5841299	329.573857	389.7602781	331.0547446	558.6881004	510.389548	455.391544	551.1380704
Snd1	1682.13447	1582.147231	1668.16928	1628.00684	1587.20829	1592.207069	1649.97959	1585.455368	1644.767615	1701.487133	1695.946163	1733.321156	176.358983	1625.494818	1700.849446
Hm15012005Rk	10.0726513	15.05297816	4.6898976	6.9000857	6.336323443	14.0285611	12.6389601	0.83907401	0.83907401	0.83907401	0.83907401	0.83907401	0.83907401	0.83907401	0.83907401
	170.23082	1668.50178	1155.968487	7.763484777	5.0699594	5.61132446	1.8041294	0.83907401	13.0096549	14.85633347	7.5669569	6.9402245	0.85284315	4.51777325	4.67070149
Smc3	3924.6751	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848	3928.22848
Rbm20	0.91569482	0.79226009	0	0	0	0	0	0	0	0	0	0	0	0	0
Pdcd4	147.176137	153.781705	154.154202	153.94229	130.113764	1587.995892	1861.861571	1251.244501	1355.097835	1488.40932	1155.36994	1627.48796	1473.36459	1365.433191	1570.784559
ltpir1	27.4256329	286.056389	322.662453	282.7107291	271.058126	289.455463	297.058126	341.656648	313.2717139	341.656648	276.1917817	246.99022	246.99022	246.99022	246.99022
Shoc2	955.9871268	916.647138	958.7832311	886.7624834	881.641636	892.1970889	963.4051154	1000.660372	968.3569758	895.7495181	873.038655	978.5717039	979.896624	879.158676	926.9497168
Adra2a	1.83139293	1.584524017	0	0	0	0	0	0	0	0	0	0	0	0	0
Gpm	347.96436	312.944934	324.2287759	344.1811584	307.8145367	326.858367	321.3941232	301.7064447	310.7470326	318.1003167	349.9721586	350.4813549	351.9108222	325.2796476	360.7199673
Obf1c31	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713	625.361713
Zhdn6c	953.2400373	923.777019	871.6203914	945.149239	905.7094391	901.3154553	991.362126	983.8135951	939.7544616	916.548701	981.5846259	863.161413	953.250157	990.183499	990.183499
Vtia	467.005566	521.3084016	444.052454	495.7708207	443.967634	446.4589859	483.5066871	447.192269	482.2974256	492.0068085	489.015153	451.1146153	471.2026263	432.8026781	459.163446
Tcf7f2	8.241268334	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gap7	283.865901	320.86612	345.3741309	345.3741309	345.3741309	345.3741309	345.3741309	345.3741309	345.3741309	345.3741309	345.3741309	345.3741309	345.3741309	345.3741309	345.3741309
Dec1e1a	148.32483	167.9595458	160.031944	198.4001665	183.0419776	173.248963	166.772396	210.356773	197.0745612	182.6455115	205.2539416	164.830402	211.3169102	178.820239	199.7612568
Nhnc2	618.0951251	613.2107946	700.1461973	610.7274691	549.759296	589.1867568	614.3067078	670.4592104	644.8189031	606.4879664	646.975558	578.6414699	622.021501	612.6103088	603.5951645
Cdc16	151.0899156	188.558358	141.752143	151.8192579	140.606640	158.5192941	187.6294607	182.282212	158.009657	144.2935702	141.880640	139.6720251	168.4958238	163.5433919	183.952812
Adm1	6608.581507	7341.892033	7032.814577	6730.341302	5999.221658	5565.311262	6475.020523	6380.143685	6504.62009	6562.129894	6563.66241	6799.862591	6790.388994	6585.720519	6585.720519
Hm15012012Rk	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537	154.639537
	563.153362	546.670809	542.703771	540.282117	540.053429	543.0053429	542.703771	542.703771	542.703771	542.703771	542.703771	542.703771	542.703771	542.703771	542.703771
Trub1	296.799635	298.682772	371.2148536	277.7602331	283.1133702	278.146186	257.9950584	390.524901	341.596017	316.3525127	387.07333	274.1388816	274.1388816	319.5884627	317.606027
Atmrl1	155.6684019	167.9595458	157.1521943	157.855238	165.574532	176.7754917	163.7371374	162.586358	145.963838	200.8713548	200.5245881	144.0022493	148.1829629	116.4073919	116.4073919
Cfml1	1.584524017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hsp1a2	0.91569482	0.79226009	0	0	0	0	0	0	0	0	0	0	0	0	0
Eno4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shn1	5.4941.78856	6.338096808	6.93793534	10.35131304	13.2688431	14.4339054	14.9037005	8.72655953	8.72655953	8.72655953	8.72655953	8.72655953	8.72655953	8.72655953	8.72655953
Slc1a2	9.7679556	27.7291073	24.2780013	31.9165453											

Dph7	291.1914811	282.054275	275.672757	302.7759063	331.88234	305.1145705	284.1503852	303.3827927	291.936796	266.5401005	346.1886757	264.5960724	305.0461848	290.0410432	293.8933598
Pnp1a1	436.7872217	499.9132724	536.4854867	514.9778235	506.6905954	544.2963372	479.894283	565.6995988	592.9023286	554.0538483	487.1234099	493.6234925	443.0838439	482.4981389	459.1834644
Mpr1a7	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425	232.0124425
Nm1b7	159.3307388	176.2112913	171.2112913	171.2112913	171.2112913	171.2112913	171.2112913	171.2112913	171.2112913	171.2112913	171.2112913	171.2112913	171.2112913	171.2112913	171.2112913
Nrnp	62.26736075	36.6513780	62.6529036	61.2452688	52.5691429	70.8426938	70.8426938	57.8271069	45.14484735	53.3080201	49.18527634	71.13730471	69.87091384	69.57370817	51.73672838
Torda	714.2432556	681.0208587	798.0413591	717.0208888	758.925858	782.9217289	75.75.658319		679.4299257	686.0130456	695.2149636	677.539451	766.8758836	682.1228631	750.9011272
Neltb	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725	1607.04725
Tab2a	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193	8561.8561193
Rnt08	247.238005	13.4685414	14.0990933	31.91654653	8.23721762	13.35694331	14.43035544	15.0853322	12.79100048	14.8563347	15.82836289	13.8804497	23.00627651	16.25062955	11.49705705
Ndmr20	640.967531	70.16592016	72.950052	63.6807457	60.0161786	54.88.5048141	65.16812355	65.337882	71.8030729	74.8000054	71.14323776	65.67187765	68.7320433	66.5197182	65.41633272
Tenor203	145.1154371	165.5871928	148.0174818	163.8957897	157.6754862	136.7754911	151.5468721	119.8445839	151.9876528	143.3199229	108.7751304	160.4269697	146.5585022	151.7971815	140.8388717
Tpn	621.6216216	585.413064	571.7077458	529.558939	529.558939	529.558939	529.558939	529.558939	529.558939	529.558939	529.558939	529.558939	529.558939	529.558939	529.558939
Snaa1	806.5599352	891.1895188	849.673593	913.5033754	865.8075549	1027.656871	878.613022	897.573202	844.9610597	908.8580477	878.7138792	953.4133888	852.0843152	939.696837	893.8569559
Grin1	1855.201072	1822.202662	1817.717385	1856.472862	1896.289553	1808.088351	1823.201972	1897.57023	1835.194135	1817.01612	1879.0557829	1820.052097	1856.195281	1897.971617	1897.971617
As11a3186	10.9835778	7.92226008	10.1810963	2.58782859	3.166816221	1.813866474	3.61435003	0	0.75241123	2.621705907	0	0.4337640531	3.408337261	1.807109303	2.155697016
Handb1	1183.850228	1199.494681	875.1566461	117.2862041	111.747351	106.848487	1130.287489	1330.023549	1242.6886	1265.574925	3.783482795	0	6.18674521	1.807109303	0.509999704
Dpp7	43.0737463	53.8738156	77.53296815	43.13047098	61.43623469	56.8143726	48.7114546	77.4088321	44.3924333	83.02068705	50.0228843	70.2697761	34.93545692	57.73102535	51.73672838
Uap11	156.480871	102.226222	165.2471231	142.3503648	127.9081657	230.7648131	215.593648	108.1115477	161.7908529	173.0325988	166.473243	223.8222514	215.945617	215.945617	177.485721
Sapc2	59.234866	40.3042269	487.126352	460.633401	497.82351	533.0737323	529.5119876	466.807253	425.1880576	493.7546124	533.4714701	540.4700102	561.5235637	655.6861107	612.9368210
Emp2d	0.91596462	2.37678026	3.91509472	6.90095357	4.4354271	4.20847634	2.76619414	1.550428245	5.24341813	2.637612096	0.96752016	0	0.93055452	4.311394032	
Fur1	37.6898343	63.3806068	54.82129661	38.8174238	51.3022279	25.2506101	32.6848865	34.08217679	45.1161453	44.30838439	47.9734228	40.7362238	40.9582433		
Aut	55.0386749	680.5530653	556.827804	629.704763	956.9948129	631.9729379	57.1313586	601.7317414	489.0691797	575.0274955	649.8131701	575.171345	621.169458	620.7420546	561.1997808
Fbc2	2056.65428	2181.889571	2134.114527	2117.706125	2060.330634	2184.151046	2164.955315	2149.659843	2343.769992	2233.69343	2375.081325	2188.773412	2303.183904	2291.414596	2345.398353
Nb13139293	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013	11.88393013
CC029214	171.312131	172.131739	150.366818	150.366818	176.0748919	190.7842852	150.366818	150.366818	136.189532	143.7723462	204.1952367	202.1169573	213.2388079	213.2388079	213.2388079
Cbg	11.90045426	42.78214846	17.2206448	26.46110358	22.16771355	18.93814575	14.32439273	15.2304265	15.6531077	22.7214511	16.0798018	26.6284751	32.37920398	27.30549553	
Fbw5	559.450592	604.0316888	598.1183905	556.2004996	582.6941847	622.8545715	552.0635064	606.7655855	533.616129	591.6316329	516.7618249	596.8935731	581.9738470	605.6252119	605.651545
Tr1	1019.170184	1019.641025	698.280488	929.8925944	1014.647917	946.9072877	906.4870568	955.4043749	934.4983402	878.2714787	884.3891034	916.1096802	914.2864702	953.2501574	972.2193542
Edf1	2991.50505	3005.04798	2957.217048	2865.394225	2863.347179	2795.130304	2801.318304	2749.720303	2925.31503	2965.14938	260.125983	2863.31863	2826.353673	2868.069573	2771.507742
Hamc4d	26.2491797	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452	25.9811452
Phtp1	552.1649784	556.901947	544.297097	468.3969149	680.2322144	607.043582	593.5585823	577.432395	573.339914	568.3142545	566.969568	532.552697	535.1689201	561.1997808	
Gm96	22.89214204	17.4296761	9.37033534	18.9774023	12.03390164	9.81977928	25.25781201	13.40918421	15.8069957	20.9736472	17.97154328	17.02696744	11.92901841	12.63983409	20.8384049
Rab6	1294.794004	1955.320367	1878.027804	1847.709377	1740.482195	1815.563414	1897.248567	1802.20457	1955.243075	1909.599353	1958.493272	1863.432519	1842.347935	1783.479998	
Ccd181	1.58452416	0	0	0.00200471	0	0.00200471	0	0.00200471	0	0.00200471	0	0.00200471	0	0.00200471	0
Tmem141	10.072613	10.2994011	1.469897767	7.76344777	1.90080973	13.16244535	5.41238829	10.0588816	4.51448735	8.73901969	12.29631908	2.602594319	11.0770961	9.93910167	7.18565672
Bmc	328.7350369	373.947668	352.422582	320.082047	371.7842244	364.734569	386.985726	302.5447187	341.5960117	354.8041994	296.0575287	332.598614	372.3804857	321.9090513	311.8575016
Casmnsp1	749.9554184	739.1804539	801.951768	700.438848	669.449482	636.1814148	733.3786131	639.670544	705.012039	868.658571	830.4744735	700.0951818	646.6257658	710.1939561	760.961406
Nbac1	87.47635269	875.4343667	870.9234827	875.4343667	875.4343667	875.4343667	875.4343667	875.4343667	875.4343667	875.4343667	875.4343667	875.4343667	875.4343667	875.4343667	875.4343667
Nacc2	118.392963	44.36667248	35.24225825	65.85831589	65.85831589	65.85831589	65.85831589	65.85831589	65.85831589	65.85831589	65.85831589	65.85831589	65.85831589	65.85831589	65.85831589
C33006A16R1k	14.595406	189.35062	202.055614	193.22451	135.775195	120.4238417	181.3150077	261.479921	189.6083589	159.0106292	191.0658812	185.651047	131.021078	224.0815368	193.2941658
Qsox2	441.3657041	431.782196	489.4758091	395.075142	378.175201	438.380306	462.7591987	437.4764883	423.609151	418.851292	409.560216	347.8787706	356.1721437	375.8787531	372.210181
Opm1	180.392209	188.065021	70.7291622	159.262759	193.157695	80.9645399	237.24302	153.3675444	221.209572	129.334714	123.909615	21.6176857	137.897702	174.3964078	20.4072658
Dn1	280.202154	355.128296	454.446476	319.8077768	400.157613	305.818562	474.48627	354.734597	502.3652178	474.48627	534.734597	582.334597	474.48627	474.48627	474.48627
Card9	6.40987537	7.13035077	7.131374201	5.175655518	5.06969594	9.9177928	7.216517718	3.35229052	5.26689858	5.24341813	7.38342759	7.80775297	10.2250117	2.71066395	7.90422392
Snapc4	663.879491	756.621011	710.3732941	717.6910371	748.6335347	668.446038	760.9495838	682.1922466	750.1568802	823.2155647	803.990094	684.4796759	707.2299816	657.7877633	695.5710575
Sdncag3	1121.729819	1034.409065	1080.762586	1126.653301	1126.653301	1126.653301	1126.653301	1126.653301	1126.653301	1126.653301	1126.653301	1126.653301	1126.653301	1126.653301	1126.653301
Pmpca	2040.171761	2047.97292	2117.66814	1756.23818	1757.757788	1843.614855	1858.27968	2544.148903	2218.115833	2313.593687	2313.593687	2313.593687	2313.593687	2313.593687	2313.593687
Imp1e	284.4226147	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933	303.8652933
Sec16a	1883.587663	1935.496767	1815.42074	1929.65772	167.125784	166.176651	1886.217319	1881.476159	1877.125698	1734.69528	1849.177216	1897.293698	1874.588493	1958.02672	1911.384678
Nctch1	4054.70402	3928.035308	3866.64731	3790.39755	3617.13748	3544.94302	4339.83433	4237.3021	3893.74304	3678.35273	3800.64034	3778.181435	3717.223837	3852.20357	3852.20357
Egfr1	124.176541	175.099309	167.596317	192.361906	168.747462	165.534221	140.720995	161.435082	101.5799065	165.154721	164.5815016	147.4797181	132.552257	158.122064	20.4072658

		0	0.79226260		0	0	1.266726489	0.701412806	0.902064715	3.352296052	2.257242368	1.747803938	6.621094891	4.337640531	0	0	0	0
PipSni4																		
St6galnac4	2612.482062	2597.034864	2503.766658	2575.751727	2294.041717	2288.709985	2535.739031	2860.346607	2873.469534	2430.321376	2603.036133	2226.071721	2446.334090	2210.986232	2274.260352			
St6galnac6	2612.482062	2597.034864	2503.766658	2575.751727	2294.041717	2288.709985	2535.739031	2860.346607	2873.469534	2430.321376	2603.036133	2226.071721	2446.334090	2210.986232	2274.260352			
Alt1	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441	9.50071441			
Eng	195.9560471	227.3910474	234.6280658	217.375738	128.5727386	114.3302873	128.0918825	387.190194	362.1528609	306.7395911	336.7299688	144.871937	86.0605158	134.6296313	110.6591135	110.6591135		
Fpgs	171.4961662	640.3996949	694.6399899	677.1483944	755.8342779	699.3085973	765.9969479	683.1920233	812.7288311	751.9672055	595.991809	712.3424475	683.908712	600.002361	600.002361			
Cd4c	2031.047094	2044.035982	2005.802592	2070.262607	2020.428749	2123.176563	1989.150631	2032.329482	2048.946707	1995.118195	217.394349	1949.35665	207.973223	1982.502703	2002.425073			
Hw3690	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801	0.78017801			
Sh2dc3	871.743594	888.125115	902.281122	984.2373478	1127.386575	1148.914716	1144.720132	676.3257285	762.1955062	699.1215751	712.699342	1115.441145	1118.766706	7808.78335	1072.818548			
CG304020R0iK	0	0.294904611	8.611474239	1.75221839	4.43354271	0.70126064	0.902064715	0	0.752411423	4.369509845	0.945870699	7.807752597	4.33837261	7.01665395	5.02999704			
Tc16	2.74708945	1.58454021	1.10108963	1.75255818	7.60035981	1.813866474	1.614354003	2.514222039	6.827655348	1.747803938	4.337640531	0.85284351	0.85284351	9.70422392	9.70422392			
Gr2c12	439.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029	489.5517029			
Pr7h01	70.50628208	67.34227072	64.2322615	69.7137964	55.1020252	49.089864	49.61355931	92.1881414	64.70761454	48.2082828	7.8651172	8.512836289	14.7479781	12.78126473	9.03545616	13.6527747		
17h010.03R0iK	2.74708945	14.36845414	19.5790326	5.175655818	8.86708542	9.81977928	0.50667418	0.06888816	5.175655818	14.36845414	19.5790326	5.175655818	8.86708542	9.81977928	0.50667418	0.06888816		
Sxbp1	147.1327133	140.1888717	174.3844933	143.088212	112.1052942	143.088212	124.4893328	157.5579145	187.3511165	137.2020691	128.5016997	143.1421375	109.995728	127.4012059	150.180254			
Fam128b	585.1300517	635.3941306	675.0893058	646.399265	713.8003763	742.7961612	689.174421	885.8442318	642.337313	601.2445546	745.482826	745.9416995	698.7091384	717.6356724	806.9492496			
Lrsn1	78.43393884	88.49726268	69.8713629	70.3033311	57.5185007	60.4383399	38.5514006	48.2703817	55.5426767	75.669659	76.3420735	79.2484131	63.2488256	56.7668089	56.7668089			
Rn1	21308.25713	20782.61701	20754.55747	20274.7178	21724.35928	23397.72837	23305.4149	20162.38461	19692.18242	20812.84929	19856.66358	22122.18963	21806.24596	22566.06361	22523.44099			
Snpa5	1.19045026	1.01022882	1.06425812	1.03513104	1.00089733	1.75352014	3.35100145	34.36103454	1.24968833	1.660413741	2.46479357	23.22425887	11.92918041	11.92918041	1862.70747			
Sc1c2a	26.8110562	66.13453273	68.4872268	75.04701651	95.63784989	64.15956369	20.2537562	72.07436512	63.95200422	64.6887457	67.15681961	73.7389803	119.2918041	91.25901981	117.8447702			
Gm1D	5.49417689	7.92262005	0.78013124	6.03025958	8.232722176	4.9089864	8.11058233	5.06518091	4.514484875	6.991251751	6.575224193	6.94022495	4.517773258	0	0			
Rag1p1	93.40810656	9.50714402	25.9767028	18.9747023	28.50134599	15.4310813	20.8517687	41.90370651	30.095649	28.63967497	22.7008967	32.96506084	17.0146863	25.14979852	55.14979852			
Angh2	2.74708945	3.72633414	6.56871003	5.175655818	6.40305092	9.60061841	90.26647148	48.6082972	45.8972614	48.81241223	38.8895725	57.2565501	52.8927254	40.6599932	58.923258			
Zbt34	193.2119576	228.1714584	218.520012	207.8888701	187.9786319	158.3408111	196.1480431	196.1093191	177.5973929	209.0374244	215.8537693	209.0374244	215.8537693	215.0460071	191.1384687			
Zbtb43	203.284169	175.0899309	206.745817	175.723216	214.076766	220.243621	205.728197	174.397388	265.6021853	172.1586879	179.1754328	209.074726	239.715329	229.5028815	240.0726508			
Hv1b12b	201.12498029	216.155151	239.2054187	239.2054187	239.2054187	239.2054187	239.2054187	239.2054187	239.2054187	239.2054187	239.2054187	239.2054187	239.2054187	239.2054187	239.2054187			
Pb3x4	2.74708945	3.72633414	6.56871003	5.175655818	6.40305092	9.60061841	90.26647148	48.6082972	45.8972614	48.81241223	38.8895725	57.2565501	52.8927254	40.6599932	58.923258			
Mapk1p	779.2577058	742.349502	809.065172	728.9409386	722.6674617	722.6674617	722.6674617	722.6674617	722.6674617	722.6674617	722.6674617	722.6674617	722.6674617	722.6674617	722.6674617			
Gap1p1	2605.780808	2756.297698	2816.67543	2493.80382	2887.779431	2428.992546	2672.81716	2877.94194	720.92597	2662.77929	2662.77929	2662.77929	2662.77929	2662.77929	2662.77929			
Hsp45	1627.05175	14192.58612	1462.21886	1406.73119	13502.0734	13883.58466	13883.58466	13883.58466	13883.58466	13883.58466	13883.58466	13883.58466	13883.58466	13883.58466	13883.58466			
Hsp46k	630.842215	518.554426	486.345319	683.961275	597.2054187	597.2054187	597.2054187	597.2054187	597.2054187	597.2054187	597.2054187	597.2054187	597.2054187	597.2054187	597.2054187			
Fbw2	974.3010564	930.90786	1002.444657	993.7260514	931.0436991	1013.481241	912.662002	983.1155635	986.1365965	986.1365965	986.1365965	986.1365965	986.1365965	986.1365965	986.1365965			
Psm45	102.728058	1022.810253	1031.423245	1058.42178	995.913451	962.1581487	1021.375584	1033.815612	1082.723922	1120.342324	1172.879666	1049.709009	1078.17387	1090.270546	1031.141739			
Prf19	684.025217	919.1899168	933.8221239	932.41809	81.9053766	762.739456	762.739456	762.739456	762.739456	762.739456	762.739456	762.739456	762.739456	762.739456	762.739456			
Trat1	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023	2267.961023			
Hc	0.15966942	0.792262009	0.78316124	0.86260942	0	0.240847634	0	0.167618026	3.76270163	1.747803938								
Alt1E2371	3.66278526	3.16904034	7.04845165	4.43354271	1.40282611	0.200647148	3.352296052	0.514484875	0.514484875	0.514484875	0.514484875	0.514484875	0.514484875	0.514484875	0.514484875			
Cntrl	2669.63099	2657.514078	2968.97177	2873.351977	2777.297826	2746.538198	3022.818999	2771.03595	2771.03595	2771.03595	2771.03595	2771.03595	2771.03595	2771.03595	2771.03595			
Rh14	1708.63529	1551.548413	1706.98462	1653.522577	1398.144078	1583.189201	1680.543616	1747.10593	1747.10593	1747.10593	1747.10593	1747.10593	1747.10593	1747.10593	1747.10593			
Csn	300.348446	257.660059	257.660059	231.793245	284.9420673	241.984718	207.778907	160.072365	129.907443	100.1114681	94.5810156	98.986853	293.098456	225.5028815	225.5028815			
Gsm	12.81975074	7.92262005	4.69987767	5.175655818	8.86708542	4.20847634	11.72864129	11.73306181	14.2968833	3.495607876	25.33850887	9.542809169	4.08373621	6.32485621	5.02999704			
Stol	70.5078084	669.4613972	689.501042	571.9100452	505.4238689	4.29476831	4.29476831	617.605476	607.198169	607.198169	607.198169	607.198169	607.198169	607.198169	607.198169			
Dnf1p	7.32551875	1.58454021	15.6632589	7.7634477	10.76717515	7.01428957	11.72864129	7.54666117	15.0482645	5.24341813	17.02567298	10.4103728	10.22501176	14.46874431	19.40127314			
Tt11	31.5981637	41.16754043	78.51312945	67.8310244	67.8310244	67.8310244	67.8310244	67.8310244	67.8310244	67.8310244	67.8310244	67.8310244	67.8310244	67.8310244	67.8310244			
Hub2a	1371.682737	3369.02751	193.245023	193.114213	193.114213	193.114213	193.114213	193.114213	193.114213	193.114213	193.114213	193.114213	193.114213	193.114213	193.114213			
Rhm5	0	0.792262009	3.13245178	0	0	0.83807403	0	0	0	0	0	0	0	0	0			
Rh18	326.903649	347.8030217	328.1445824	306.226344	319.8484384	357.0191181	398.7126039	358.589103	314.5091032	335.578361	297.003394	386.0500073	360.750335	290.944578	354.252873			
Mrrf	206.947408	297.096252	252.9610981	245.834386	248.2783918	252.5086101	247.753346	288.297405	276.159983	248.188159	238.594161	233.365068	216.4294161	237.111001	276.5220464			
Pgs1	0.91506482	0	0	0.86260942	0	0.240847634	0	0.167618026	3.76270163	1.747803938								

Scrn3	52.19469945	33.27500346	65.00238744	71.5968183	57.63605523	61.7243269	60.43833589	54.47481085	63.95520042	58.55143192	34.05134516	57.25685501	74.13133542	65.95948956	61.79664679
Gpr15	42.12203885	67.91905675	63.01509722	61.94789487	82.970585	101.003444	110.0518952	69.56014308	53.4214027	88.26409886	84.18249219	74.01790909	84.3563472	111.1372221	125.0304269
Wp1	6984.017085	6517.147382	6662.331327	6575.617606	6861.982227	6589.071587	7239.696935	5179.297401	5375.246482	5031.927537	5521.047269	7113.304771	7046.737286	6829.066507	6796.932637
Chn1	5.494178889	2.376788029	1.40256211	1.533455455	1.40256211	1.533455455	1.40256211	1.533455455	1.40256211	1.533455455	1.40256211	1.533455455	1.40256211	1.533455455	1.40256211
Atf2	748.1242054	783.8465325	832.500456	897.861608	760.833806	817.847331	782.327726	1001.498446	914.935571	908.8580477	794.531387	860.587814	812.036352	730.0721585	829.2247854
Amp5	5625.124058	5472.153693	5968.47225	5556.029881	6144.255863	6202.593441	5734.425352	5924.354198	5935.5107	5551.899208	5997.766101	5712.462476	5758.388562	6270.669822	5702.178123
Lnp	785.7665108	783.0542545	824.6688431	795.3258489	794.8708716	792.5964705	788.1390912	828.409478	827.6290585	926.953848	764.292616	767.727968	761.695713	775.0568242	775.0568242
Hmnp	479.312227	515.8994518	515.8994518	479.312227	515.8994518	479.312227	515.8994518	479.312227	515.8994518	479.312227	515.8994518	479.312227	515.8994518	479.312227	515.8994518
Hnp	854.508788	854.0540542	902.9487255	886.726453	951.3115929	910.1832972	916.0148963	936.0031685	875.497287	905.198287	908.3012737	1032.72193	961.9101167	854.74584	854.74584
Ne2f2	970.6382705	1022.017911	971.903165	943.6947051	876.9074652	788.1688328	803.873735	695.6014308	702.0023764	823.8533786	812.0063075	792.483131	826.7525062	817.9192093	817.9192093
Aggs	1908.311487	2007.803942	2007.785688	2062.174809	1798.682016	1718.461374	1926.810231	2338.226496	2179.747313	2237.18904	2007.460038	2021.143996	1882.10439	1847.432343	1847.432343
14c3b3	9.14214371	9.50714102	10.096903	10.16333103	5.41238869	6.31271525	12.5711104	11.28621184	6.99121524	6.99121524	20.60259434	20.45002536	9.035561456	15.08997911	15.08997911
Tc3ba1	0	0	0	0	2.58752829	0.63363244	0	0.902604715	0	0	5.675224193	0	0	0	0
Tc3ba2	73.25578163	68.13453273	50.25025838	65.5831589	60.16958027	47.6960779	52.9881242	92.1881144	72.2317557	77.7772537	95.8891123	55.38548049	73.1052525	74.7308298	74.7308298
Pde1a1	24.723805	39.61310043	45.4233508	37.9541486	41.3042279	39.2791172	47.8094289	36.8755268	59.4401568	39.3255886	42.5641841	32.0985393	28.97086672	33.4315221	36.7666809
Rbm45	852.513423	773.247703	912.3829081	779.989154	765.7062477	876.7660071	745.1054544	869.9206256	51.9037448	956.5225959	866.4175601	887.4812527	897.7907331	831.3804825	831.3804825
Osbp6	0	0.79262059	0.91589417	2.58752829	1.25677489	1.25677489	1.8041294	0	3.49505707	3.78348275	0.967528106	0.967528106	2.71062955	0	0
Pkrk	67.76153964	44.36667248	44.04493379	61.2452868	36.73508617	30.8621635	45.1032574	32.6488651	54.9236205	48.93851026	46.34766424	30.36348372	49.42089028	48.71955118	38.80254926
Fkfb	1.55994816	17.42979419	8.61477429	13.80175071	7.600358931	7.15540863	14.012943	25.1422039	3.76270613	3.495607781	2.81602061	11.0770961	11.0770961	17.0748508	17.0748508
Plekha3	59.27595808	437.2386287	51.7538092	429.579491	422.5870958	453.1126725	460.9550693	517.9297401	520.6705728	510.3587498	436.0463921	439.886304	432.0667478	449.0666618	423.9537465
Ttn	21.97671555	22.7878626	34.4509866	25.87820259	16.78353408	21.04258417	10.82477659	23.4607237	31.4604708	22.10089677	19.95314644	28.97086572	51.6142693	7.15565572	7.15565572
Ccdc141	131.860253	123.1216073	151.1501298	96.21213304	96.21213304	108.017521	101.012481	56.9803289	107.5159005	87.39019698	80.3990054	123.188911	90.8370378	105.6291538	105.6291538
Sestd1	100.726613	68.92679474	100.2446457	77.6348777	61.43623469	82.06528627	65.85074718	110.6257697	138.4441737	121.4723737	103.0999062	73.73898903	72.42717663	74.0918413	52.45529405
Cw22	1337.82256	1235.951947	1236.611684	1169.698373	1183.755904	1132.7811681	1190.725424	1288.119758	1290.3902	1294.248816	1181.392505	1141.666988	1232.11392	1176.428156	1077.129942
Usp1	500.885974	599.1242404	595.6993032	480.734467	599.749923	538.545953	573.131586	623.570657	661.373017	600.6713073	528.3246167	506.901675	566.5287665	495.017148	495.017148
Agp4	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969	570.627969
Cerk1	10.42532529	15.84524017	15.95703236	24.15305375	17.1009876	25.95227381	24.35574373	15.9234065	30.0956649	25.343171	17.9731528	26.3960804	24.7104541	27.1066395	18.68277047
Sefa2	539.552276	595.781034	599.901516	591.2908706	491.4889776	527.4624299	561.0482526	583.299531	574.8438967	593.3794369	54.27952295	552.6154037	465.7389583	465.7389583	465.7389583
Pde1a	7.325578163	59.5967816	7.831612945	7.6348777	1.90089731	7.01412806	0	1.67613804	0	0	0.752411243	13.9824315	4.52932494	0	1.362146656
Dnaj10	120.245243	1405.790672	1627.4091	1580.30047	1466.86274	151.544596	1704.002248	1659.386546	1598.88001	1481.263837	1458.26218	1609.264537	1557.61100	1621.8806	1621.8806
3ckap1	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273	3824.25273
Usp19	169.404019	159.847458	159.847458	159.847458	159.847458	159.847458	159.847458	159.847458	159.847458	159.847458	159.847458	159.847458	159.847458	159.847458	159.847458
Nup35	545.705103	541.178603	542.7106073	499.450054	471.855617	490.989864	479.968335	657.881002	590.1096723	496.2280768	496.2280768	534.2568656	472.5590828	484.3132629	484.3132629
Zc3b15	349.798708	591.399037	2988.5435	2875.393058	2910.937471	2987.31471	3068.62146	2905.602603	2756.92931	3115.406519	3043.811909	2800.30717	3019.768837	2824.511841	2807.43608
Hgap	1065.166701	992.104544	992.104544	992.104544	992.104544	992.104544	992.104544	992.104544	992.104544	992.104544	992.104544	992.104544	992.104544	992.104544	992.104544
Palfr17b	7.325578163	13.46845414	4.698997677	5.175655813	5.02609198	6.13271525	10.82477658	15.9234065	6.9931982	6.117313782	0	2.602584319	8.520843152	6.342885216	5.748525376
Calcr1	10.41623095	106.9553711	94.76251663	90.7398906	70.93688336	82.0552927	87.15699738	87.15699738	6.09312916	6.117313782	76.90337326	84.18249219	68.6163422	71.7682531	71.7682531
Tpi	120.245884	138.1259956	150.3669885	102.6505209	124.7275591	113.6288745	103.774422	93.81866418	148.801391	160.798018	102.368315	101.3804335	110.16756	118.563339	118.563339
Tmnd31	1.58452542	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077	4.31304077
Itbhd18	4.578482048	1.753572051	3.91580472	0	1.26672489	2.69585123	1.8041294	7.52466117	0	5.24318113	2.87612906	2.60584319	7.668758836	5.42137900	5.026995704
2700K94.13k1r	1838.887142	1839.63284	1841.995365	1802.85387	2042.596463	2006.339212	1640.07534	2129.546067	1767.420774	1946.179685	1854.85244	2036.955994	2077.185636	2117.028549	1948.031537
Txm2	880.9001153	877.8263054	887.102837	880.41515747	887.3419052	888.325934	888.325934	888.325934	888.325934	888.325934	888.325934	888.325934	888.325934	888.325934	888.325934
Med19	380.014538	425.444696	382.187137	367.698987	392.0518482	389.2841072	454.610612	440.6269309	388.9801014	428.2195404	442.667487	422.6383023	386.721903	412.4569597	412.4569597
Ldhb16	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427	1990.554427
Cp1	743.455453	720.887088	489.730045	756.508461	699.8663949	739.630056	716.233935	735.828935	736.613426	755.9253031	601.5737644	683.612477	685.075894	637.909584	668.829436
Ypel4	0	0	0	1.75218839	0	0.902604715	1.67613804	0	0	0	0	0	0	0	0
Ube2f6	377.2669504	301.5667073	301.9150339	333.8298454	326.815434	331.066844	338.2915562	218.7373174	282.155296	218.4754922	240.251575	279.3440502	252.2169973	293.6552618	256.5279449
Tmm10	33.351593	33.785054	32.6254533	266.967484	339.4268989	328.2611931	307.6040677	366.2952319	215.074971	311.4894467	313.0832013	290.6219156	325.2796746	296.0490568	296.0490568
Hc41b7	1.82543167	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578	49.38178578
Sc3a3	595.6491277	872.7804714	958.588425	868.6748546	736.631041	779.389136	779.389136	779.389136	779.389136	779.389136	779.389136	779.389136	779.389136	779.389136	779.389136
Pr2	1.83132963	0	1.56632289	0	0	0.70141286	1.8041294	0.83074013	0	0	3.78348275	0.967528106	0	0	0
Pgk3	19.2926211	5.54583406	17.7147482	7.7634877	5.06959554	5.01320446	4.43305434	2.51422039	12.7910408	11.3807256	18.9174398	34.70112425	5.96459026	0.93564516	0.93564516
Usp15	919.57164	8944.38291	8944.												

Fyr3	10.0726613	6.338096068	1.56632589	6.900875357	3.800179466	4.208476834	9.922711863	0	2.514222039	17.30552482	7.86511772	0	5.675224193	2.602584319	0	2.556252945	6.324882561	3.59282836	0
Scg5	0.915966482	0.79226009	0	0	0.253452977	0	0	0.704592104	3.762076013	0	0.945870699	0	0	0	0	0	0	0	0
Aggapi11a	192.355314	2687.610392	2262.56298	737.719345	2684.138811	2108.446488	2230.80604	217.818303	2078.678235	207.274698	211.181	2257.38011	211.88921	2188.40036	0	2183.8921	2188.40036	2178.61117	0
112r	2589.1175440	2589.117544	2589.781756	2572.301289	2585.245678	2262.757171	2606.064961	2887.832395	2593.741044	2593.741044	2593.741044	2593.741044	2593.741044	2593.741044	2593.741044	2593.741044	2593.741044	2593.741044	0
Zp7r0	148.34283	190.142882	148.5883072	165.6210086	131.1061916	126.9557178	152.4489368	183.5382089	154.9730039	158.1762564	184.447863	149.2148343	115.0313825	142.7616349	159.5215792	142.7616349	159.5215792	142.7616349	0
Dph6	279.2742269	339.08186	245.1204852	368.324222	247.6450285	274.2276734	274.2276734	357.857036	297.2035784	297.2035784	297.2035784	297.2035784	297.2035784	297.2035784	297.2035784	297.2035784	297.2035784	297.2035784	0
BC052040	167.5724561	158.4524017	194.224001	156.9949144	156.407213	152.907916	161.495859	160.7130438	181.331805	136.329701	142.826745	151.8741896	165.3043571	131.0154245	152.3359225	131.0154245	152.3359225	131.0154245	0
11pex1	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	470.139621	0
Fam808	1762.175712	1662.957956	1722.584468	1691.57072	15592.77055	1614.652719	1556.39698	1953.550426	1958.33961	176.328701	137.328701	127.376413	1662.138352	1631.741464	1528.8147	1549.227589	1549.227589	1549.227589	0
Ths1	251.755449	2681.014631	2763.255241	2662.875278	2739.296031	2724.287317	3002.071371	3252.876429	2375.313508	266.271856	266.271856	266.271856	266.271856	266.271856	266.271856	266.271856	266.271856	266.271856	0
Rasp1	8.24126835	11.0166812	15.6632829	12.9391412	9.69695687	7.175440863	6.12716487	51.1225148	9.78138954	26.2170507	23.44676747	6.94022465	11.92981041	0.718482561	0.718482561	0.718482561	0.718482561	0.718482561	0
11pex1	2.47108945	3.96140375	6.265230324	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	0
Gpr176	0	6.338096068	1.56632589	0	0.633632244	0.701412806	0.902064715	1.676184026	0	0.873901369	0	1.735662312	4.260421576	0	0	0	0	0	0
Ef2z4a	13.5139953	40.0042028	451.8840669	452.0073359	374.3176774	409.6250785	496.1355931	509.5489969	464.2395136	531.579327	421.8165697	452.1506362	460.497025	514.4930211	514.4930211	514.4930211	514.4930211	514.4930211	0
Sp1r14	1151.030477	1145.610864	121.304926	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	115.216589	0
Bmf	58.0457482	58.4196504	79.0992704	79.3606661	41.16661088	44.99041957	46.90736517	26.81839644	43.64009111	48.93851026	47.11681961	45.1146153	48.8643733	47.88839653	47.88839653	47.88839653	47.88839653	47.88839653	0
Bub1b	3142.903588	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	3317.417124	0
Pak6	194.1276541	184.597048	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	187.1755494	0
Pkc2	304.9269284	306.3057393	321.9603701	290.6993744	304.5478102	379.8637099	162.3716487	341.9347913	301.2099963	303.9753005	257.2768301	286.242751	301.6738476	311.7265349	358.5647038	358.5647038	358.5647038	358.5647038	0
Innm2	248.1537465	218.664313	235.7315496	241.5306375	200.1427852	216.0351442	224.614114	186.0524309	44.4855115	214.9798844	214.7126466	226.4248357	216.4294161	221.3353431	207.6654792	207.6654792	207.6654792	207.6654792	0
Knm8	908.5995952	973.6900085	964.0715535	853.9832055	942.4445075	941.9973981	945.3630211	922.1749884	922.1749884	922.1749884	922.1749884	922.1749884	922.1749884	922.1749884	922.1749884	922.1749884	922.1749884	922.1749884	0
Ivd	43.1370971	90.5830027	476.1360396	45.4852862	442.5914804	451.9342221	60.0751517	511.6410334	511.6410334	511.6410334	511.6410334	511.6410334	511.6410334	511.6410334	511.6410334	511.6410334	511.6410334	511.6410334	0
Bahd1	1055.798043	1106.790026	1109.676005	106.6596339	808.4463021	1087.891262	1116.756117	1050.944812	1080.4668	987.280263	997.8935872	990.7170974	1092.372092	963.1895886	1085.75273	963.1895886	1085.75273	963.1895886	0
L28	128.1975074	112.5012052	96.3288322	72.45919125	97.53793962	90.48225194	89.30446676	107.2734737	129.4152291	98.13800083	97.02010429	98.00490061	98.00490061	97.66558947	95.5692347	95.5692347	95.5692347	95.5692347	0
Cdc3c	32.73705867	37.3330929	293.685484	274.3097564	284.309067	288.286705	284.309067	284.309067	284.309067	284.309067	284.309067	284.309067	284.309067	284.309067	284.309067	284.309067	284.309067	284.309067	0
11pex1	529.1150135	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	479.2181531	0
112r	1214.213535	1265.242428	1472.75942	1207.71588	1181.224451	104.403668	1298.071125	1243.701835	1281.361251	123.8784561	1315.706142	122.2413066	1335.216122	1180.94495	1244.555744	1180.94495	1244.555744	1180.94495	0
Rad51	1659.24025	1754.860349	1755.847622	1693.30221	1668.912149	1669.364278	1578.613251	1879.800111	1969.067180	1881.510039	1794.316716	1710.75426	1676.901932	1664.380912	1638.80612	1664.380912	1638.80612	1664.380912	0
Rmdn3	1182.164158	1300.89418	170.28762	101.552229	103.614887	1052.820621	1097.819475	1430.59234	1439.388216	1384.260719	1347.865746	1082.875169	1310.30272	1122.214677	1171.262045	1122.214677	1171.262045	1122.214677	0
Amc117	132.2110978	184.556451	176.2112913	168.340557	120.147852	150.102346	150.102346	150.102346	150.102346	150.102346	150.102346	150.102346	150.102346	150.102346	150.102346	150.102346	150.102346	150.102346	0
11pex1	0.9084642	3.96131043	7.81312645	2.58732829	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	0
Zyve12	424.8813674	404.0536243	414.292348	404.22004	400.918386	441.9497688	451.721893	486.739984	454.1947688	451.721893	427.535558	464.019185	415.871458	420.152913	433.295102	433.295102	433.295102	433.295102	0
Rhin	16.48253667	9.507144102	6.26529036	6.26094197	1.166812621	6.14995366	2.70619414	20.5818033	17.30552482	13.1082593	15.1339318	8.16764521	4.51173257	3.91353736	3.91353736	3.91353736	3.91353736	3.91353736	0
Sp1r1	248.125834	1.58452071	2.93438383	3.45043769	3.80017946	5.09047029	9.02064715	14.9037065	1.54082845	1.74780398	4.31740531	2.556252945	2.71066395	0	0	0	0	0	0
Chac1	42.237093	40.5136967	39.7783245	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	42.237093	0
Chac1	37.2180787	85.5642992	95.5456793	69.87136299	83.60394824	96.09353458	100.1291833	35.1991085	54.9262305	34.9560786	36.8899575	56.38932691	75.83550045	66.8836422	67.54513716	66.8836422	67.54513716	66.8836422	0
Ino8	1419.329546	1340.772136	1340.772136	1261.134972	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	1212.890613	0
Exd1	2.74709489	3.16904804	3.13265178	3.45043769	0.633632244	0	1.8041294	0.838074013	0	2.621705907	3.784382795	4.337303013	0.852048315	0.903554652	1.471331344	0.903554652	1.471331344	0.903554652	0
Shp1	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	132.171778	0
11pex1	0.9084642	3.96131043	7.81312645	2.58732829	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	0
11pex1	0.9084642	3.96131043	7.81312645	2.58732829	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	0
11pex1	0.9084642	3.96131043	7.81312645	2.58732829	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	4.313047635	0
11pex1	0.9084642	3.96131043	7.81312645	2.58732829	4.313047635	4.313047635	4.313047635</												

4832i46H05Rik	20.14532259	4.753572051	10.18109683	9.488703616	12.66726489	16.83390734	2.706194144	7.542666117	6.019312981	4.369509845	9.458706988	6.072696744	16.18960199	4.517773258	14.37133144
Sk3s	552.1649704	713.3857815	54.1645445	561.5587322	4.96792529	482.222529	448.3261632	94.2386299	19.2388229	51.2266518	585.4399265	504.9013579	51.30859408	512.5354847	487.9006913
Snpb	2001.893385	8272.799939	8095.538301	5851.470398	7789.101178	7970.854546	8123.994821	7818.394496	8167.455031	8284.585665	8154.312613	7953.190237	8103.32183	7238.932825	7789.97045
Np6s	6878.522686	6850.688989	6304.077607	6304.077607	6474.222047	6474.222047	6778.310137	6676.395562	7043.548968	6870.804756	6870.804756	6553.60548	6553.60548	6352.634364	6352.634364
Snmr110	0	0	3.915806472	1.75218839	0.63363244	2.10428417	0	0	1.74780398	3.783482795	0	0	0.2556252945	0	3.614218666
Idh3b	1848.771196	1815.864523	1982.964398	1918.443439	1753.782823	1797.019608	1786.088135	2278.723241	0	2132.341623	2063.282549	2021.325683	1871.258125	17.139104087	1710.904865
Pcdm1	251.8319383	5.54583640	7.04845105	4.31304708	3.16681221	4.20947634	9.02064715	3.352395025	10.4682363	6.621094891	2.602923149	11.92991804	0.903554627	4.311393042	0
Imem239	0.91596482	0	0	0	0	1.26973418	0.14282561	0	0	0	0.75241123	0	0	0	0
Peed1a	181.5165324	229.7559825	227.893937	222.553203	207.1097089	203.4891731	1939.356302	308.41212368	203.904272	40.46430552	254.439218	20.93659416	22.30406548	227.066723	227.066723
Vp51e	1710.260103	1237.513257	1179.13749	1108.115081	1081.151058	1192.40177	1181.704176	1154.86599	107.952195	1107.233795	1199.364046	1149.474741	1197.178463	1225.201008	1233.05893
Ppgra	618.095115	729.673098	730.689478	703.026617	702.029618	710.1142185	710.8299562	723.2578733	735.8610119	714.9427116	676.2975496	740.0014747	735.348764	725.750562	721.4393947
4830i27A02Rik	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478	3.158940478
Ubrps	1057.629436	1273.95731	1173.95878	1323.24205	121.623896	1210.638503	1204.256304	106.6277849	133.3727825	137.521699	127.013072	122.515598	1261.362938	1157.609298	1157.609298
Mbox2	306.7583213	259.069686	278.0222595	289.8367615	257.778804	214.6323185	264.3004136	148.1682175	283.9077101	247.3142572	261.0603129	253.6090146	234.9242094	255.6538822	255.6538822
Fastds1	243.5752641	287.591091	337.542519	339.005019	229.277494	251.1057844	248.0677966	282.4309424	297.203874	284.0181399	130.2455892	225.5573076	258.1851475	223.1779989	209.1026105
Lt719	201.2719639	40.0536243	59.4712262	23.2905433	22.18771355	23.61839439	26.81839462	24.0772512	50.6863142	37.83487275	32.9660804	36.3962555	34.3520476	34.3520476	34.3520476
Idp21k1	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179	1135.51179
lpa	1033.821328	1037.863231	1152.813425	1100.689619	1096.985139	967.2482591	964.3844682	1046.28914	1325.00127	1504.85919	1454.749135	1055.781705	1126.455465	1139.382016	1093.659563
Sci41a1	27.4708945	26.1446648	25.8422272	35.36698821	23.4344004	11.9240177	13.53907702	35.1991055	54.1731863	34.0513466	22.5557076	10.22501178	8.13191824	11.49705705	11.49705705
4830i02H24Rik	68.67723610	80.01846286	100.244657	64.0292931	59.10439691	90.48225194	101.0312481	81.2931792	66.9648691	64.6887457	63.91462983	65.8825262	115.8834669	91.25901181	94.8506687
Cm1A057	11.9040526	1.58045207	13.3137421	19.8400165	7.600359931	5.511302446	9.922711963	1.352296952	12.0386595	8.739019899	1.891741398	6.94022495	16.18960199	5.42132799	2.41256288
4830i122Z1Rik	20.7719382	35.65179038	29.76012519	39.05391031	28.50134569	29.45933784	28.78878274	27.41177467	48.0945077	40.1994057	27.15050207	19.0561834	43.54630067	28.91374885	45.8820301
Atm	557.6591573	58.6519736	569.3582611	515.840433	488.329613	495.898836	549.3517113	582.6414931	573.3396614	586.3882211	530.633462	572.5685501	596.4590026	547.547042	547.547042
Idhase12b	45.78484028	12.5460147	7.04845105	3.45043769	0.63363244	1.04825611	0.48247758	5.866518091	1.50482835	1.39824315	10.40457769	0.967520816	5.112505891	1.807109033	8.622788064
1700073H04Rik	436.7872217	40.7907028	455.7998734	425.2664439	467.0563438	448.5037354	503.3581205	47.8174374	473.2648431	429.0958867	418.0748489	500.5637137	507.8422518	520.4477473	513.7744555
Pep1	21.13256819	45.7414041	39.8412362	55.922217	39.8408349	39.7291171	35.376394	15.376394	35.376394	37.1712962	38.1712962	38.1712962	38.1712962	38.1712962	38.1712962
Cenpb	2068.755252	2243.686008	2261.769818	2259.17407	2070.464446	2053.739655	2118.950015	235.598498	2236.174772	2335.00661	2098.878101	2165.305133	2217.123388	2031.190871	2171.613035
Cdc25b	1425.739422	1822.944882	1874.888139	1966.752728	1788.617802	1832.009429	1953.871272	1487.58173	1440.873045	1410.825963	1449.073911	1471.529702	1974.279358	2012.216209	1897.01374
Ap5d1	149.2585205	128.364446	133.1374201	119.9027093	110.838677	138.178327	93.81479304	117.3303616	161.7690364	149.437267	138.016997	120.5864008	126.960653	132.8225338	136.3477195
Mafs	507.2598808	557.755126	526.2645814	521.9813133	526.2645814	521.9813133	526.2645814	521.9813133	500.535915	540.071468	593.0609281	593.0609281	523.1581433	578.294873	578.294873
Rnfrd5	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655	818.4648655
Rv2	76.0028077	95.45119649	56.3876132	56.06961228	38.6351579	37.72059309	68.72206907	62.2144279	53.800201	62.4746612	45.97898963	48.8646373	40.6599933	42.11394032	42.11394032
Pmx	314.9959587	205.988122	243.561326	189.7114629	190.462335	248.969815	248.969815	77.9408321	97.8133954	139.824315	132.7218979	196.9288081	207.0564868	163.5433919	236.4081061
Snp	393.156141	60.5244889	67.4325971	63.1315274	68.3153952	48.1870597	45.6252038	70.4820425	631.2754488	655.426477	733.7274991	91.9352898	506.1380836	506.1380836	506.1380836
Idh12	1123.281617	124.234978	1108.83754	1108.83754	1108.83754	124.514261	124.514261	124.514261	124.514261	124.514261	124.514261	124.514261	124.514261	124.514261	124.514261
Sci2a2	781.089098	77.2090303	624.6688431	728.423502	665.647697	671.2520551	736.968572	178.2294292	733.1665367	618.722594	731.1580501	733.1081034	762.6154621	618.0313817	682.6373884
Tmem230	209.694443	214.703043	259.226385	226.003679	227.3774047	233.049722	203.666255	232.1465016	244.5330678	240.3800709	239.437573	213.369102	264.673378	267.7477337	267.7477337
Pcna	9724.696964	10087.07899	10099.6405	9916.557888	10235.15008	10941.73275	10122.70773	9993.194532	10140.2825	10393.99531	10016.7707	10759.0837	10538.57881	10988.12812	1010.8182
Idh1	214.92137	2965.82294	2722.26849	2572.98229	2965.82294	2572.98229	2572.98229	2572.98229	2572.98229	2572.98229	2572.98229	2572.98229	2572.98229	2572.98229	2572.98229
Gppcd1	70.70785705	907.8399745	526.6338738	452.8699453	500.356963	526.761031	502.7644991	85.9991453	545.4484735	454.073954	447.010253	454.073954	489.726812	515.2115888	489.726812
11100304G24Rik	70.50862998	146.1732269	48.0375249	77.6348777	117.8565523	74.3497541	64.6895546	82.1312538	60.9455393	61.17313782	49.18527634	61.59445555	62.2021501	76.80214538	61.0788212
Tmem22	10.7669979	1292.179336	1253.058017	1265.480919	1265.480919	117.672101	1262.896001	1622.511289	1450.654428	1649.926917	1458.98592	1438.3616	1183.545114	1268.590731	1179.884833
Mcm8	299.4327495	374.77993	357.9047116	387.3116234	396.3158627	344.3936876	348.199799	396.409082	395.017414	424.661408	405.7785298	34.0254388	34.0254388	368.642198	368.642198
Lt51	510.2418617	505.4531514	551.345513	551.345513	551.345513	510.2418617	510.2418617	510.2418617	510.2418617	510.2418617	510.2418617	510.2418617	510.2418617	510.2418617	510.2418617
Ltcm4	8.241258334	1.58452407	5.48212906	1.75252839	8.23721276	6.31271552	11.7284129	3.352296502	5.74241226	6.07839091	8.23761296	9.564950206	9.93910167	12.93421	12.93421
Ptmc4	315.9152861	303.4363493	286.6370338	281.2106708	286.2801864	295.2947912	355.4134976	262.3171661	296.4511341	289.436438	281.9466345	38.6197539	316.2441281	277.3663494	277.3663494
Xm5	5.494178889	6.338096968	1.56632589	7.76348777	3.16681221	3.50764029	2.706194144	5.866518091	9.78138394	10.48862363	62.01049891	6.616674521	2.71066395	2.874262688	2.874262688
Mk1	234.412993	246.393489	267.0580014	275.1724049	265.2211139	261.6289765	255.2843143	244.7116118	279.8890536	280.4227767	230.7824535	285.8023435	286.246245	285.8023435	285.8023435
Idh419	106.22075	111.708943	138.4027170	135.507065	91.2043309	111.708943	111.708943	111.708943	111.708943	111.708943	111.708943	111.708943	111.708943	111.708943	111.708943
Jggs	0	0	0	0	0	1.40825611	1.80412934	6.38071031	2.25724338	1.74780398	0	1.73506213	8.25804312	0	0.71856572
Idh1	0.91596482	0	0	0	0.8626092	0	0.36082859	0	0.52431813	1.891741398	0	0	0	0	0
Ismt3	4.754862408	3.169040304	6.265290356	1.75218839	1.266726489	5.705704029	4.352296952	7.524141226	5.24						

Trp53alp2	65.93014667	67.34222707	57.1707745	56.06961228	62.42573971	65.85072418	69.56014308	89.53728059	69.03825554	118.2338373	65.06460797	57.08964612	51.50261514	43.83259059
Ncga7	1478.849818	1525.896628	1513.067621	1555.284784	1355.397343	1398.498768	1593.066218	1495.962113	1433.348904	1324.835385	1533.256403	1465.587557	1524.393343	1529.826316
Acc2	105.3059584	98.15472586	98.15472586	73.32180967	65.25841146	82.17607149	63.1681698	52.79686229	69.9745134	98.75092249	76.6155266	68.16674521	61.52282626	21.74362988
Accs2	237.6786203	243.5613269	243.5613269	190.3350787	170.4330378	190.3350787	170.4330378	159.8240063	170.5504199	159.8240063	207.5586862	207.5586862	207.5586862	207.5586862
Gss	393.7494871	385.8315981	410.3765183	534.5234715	350.8823273	340.8862366	383.3775038	527.1485542	531.9567447	537.4497109	402.9409177	379.9773106	325.4064984	376.7822997
Myh7b	45.78482408	2.376786026	8.61147429	0	0	0	0	1.402825611	0	0	0	0	0	0
Trp4cap	2423.848587	1410.852392	2496.718207	2453.281199	2257.939966	2306.543892	2300.256023	2564.50048	2712.452912	2099.47129	2329.679531	2441.224091	2144.044514	2422.28488
Spa4	95.15472586	98.15472586	98.15472586	73.32180967	742.5930219	742.5930219	742.5930219	742.5930219	742.5930219	742.5930219	742.5930219	742.5930219	742.5930219	742.5930219
Procr	6.409875731	7.922605878	1.32645178	8.626094917	0	2.906551224	2.706314944	25.1422039	7.52421426	20.09957258	10.02597428	0	10.22051178	2.706314944
BCP29722	23.12535887	32.224506375	271.7569692	269.1341389	215.340331	263.7314001	230.758551	338.5819031	233.248378	138.1003367	358.4849898	255.0532632	270.1102729	286.4268245
ER6	4918.205802	4806.635866	4660.592683	4915.148473	4341.176073	4563.106315	4340.755485	4729.251656	4375.288123	4498.84736	4746.379166	4511.989517	4294.504948	4097.261462
Fam33c	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uqcq1	603.4439814	526.8542357	70.0245837	664.2092331	564.5924798	523.9553659	580.9296763	605.3454341	622.2464704	636.2006334	617.6535663	586.4489998	604.1277794	611.4939868
Cep250	1956.843361	221.580052	2077.726914	2202.967067	2068.564356	1961.150205	2039.56832	2097.701307	2524.343801	2353.418002	2576.551783	2161.880041	2162.589992	2199.170005
500505239rik	1313.392963	1.584524017	0.783162194	0.86260942	3.800179466	4.208478614	0.920264715	3.352296025	0	0	0	0	0	0
Ergic3	1425.794242	1336.546008	1367.39962	1157.621841	1340.196625	1310.940534	1771.009183	1311.55853	1209.881909	1185.884972	1245.71171	1309.96744	1156.278416	1229.465865
Spa4	95.15472586	12.67162524	18.57003232	12.00914212	7.60035993	17.5532014	8.11856243	20.11377631	3.20706013	22.92145119	17.0505729	8.67528063	5.112505991	82.74852376
Rpm1	1874.430698	1834.08655	1784.82459	1793.883199	1775.950537	1794.951327	1906.964807	1953.176969	1610.818636	1672.645368	1619.330636	1817.471383	1898.443854	1901.324768
Cbne1	1159.271746	1109.959074	1141.066006	1109.723309	1116.423168	1058.431924	1123.385023	1215.207139	1154.203264	1104.999167	1146.395287	1232.75439	1163.947175	1101.183693
Nfs1	569.900248	564.408419	678.217681	613.353563	669.4649492	608.1240026	614.3060708	664.5928624	631.2754488	746.3122814	664.0012365	609.8722587	713.8081747	656.050485
Rom1	611.1328997	630.6405588	516.564775	607.770014	606.945005	672.6548807	598.146194	515.1463256	560.5485213	699.5086535	598.7361523	595.1242809	602.8705989	602.8705989
Rbm39	4942.013311	5133.857815	5344.225764	4908.247598	4941.500326	5146.265756	5521.159186	5087.704532	5022.246704	5045.03065	5033.923859	5040.328297	5357.054089	4879.747948
Scf2	706.0919873	565.8935369	634.827776	648.941865	538.9921209	610.229141	746.0075191	568.2141809	582.3685309	563.667999	667.7847133	580.3736301	599.0527361	649.3403898
PhnD1	733.4728817	850.091351	754.967489	891.9381399	767.632521	740.613635	728.862895	883.883643	891.115565	785.63787	809.6653181	805.936107	901.5052054	923.4328593
Cbne2	7.252518573	4.735972051	1.56532589	4.31304708	5.25389577	12.6254305	3.608258899	10.89466217	12.79104008	13.09719689	3.783482795	11.7776538	4.260421576	17.24557613
5000907C17rik	1000007.000000	12.8333624	18.79550717	2.17521839	10.0080973	21.74379698	14.52340625	15.2340625	20.9734725	20.9734725	20.9734725	20.9734725	20.9734725	20.9734725
Epa4.11L	4.62538667	22.1833624	18.79550717	2.17521839	10.0080973	21.74379698	14.52340625	15.2340625	20.9734725	20.9734725	20.9734725	20.9734725	20.9734725	20.9734725
Aar2	545.751033	575.9744079	552.1287126	540.8561061	515.5576808	450.3070213	501.5479814	574.0806898	578.606403	504.241361	398.1954085	398.1954085	476.3151322	428.2849048
Diga4	643.424197	547.4530479	556.045191	492.549796	453.4880829	468.5437152	559.2801322	533.015073	530.4519564	498.9980242	523.0664964	504.9013579	485.051688	495.005763
433040542R1k	16627.8526	7.922605878	0.783162194	0.86260942	3.800179466	4.208478614	0.920264715	3.352296025	0	0	0	0	0	0
Trp4	95.15472586	12.67162524	18.57003232	12.00914212	7.60035993	17.5532014	8.11856243	20.11377631	3.20706013	22.92145119	17.0505729	8.67528063	5.112505991	82.74852376
433040542R1k	11.90045426	14.26071615	14.8800646	6.038265938	15.20071786	7.01218057	14.82477658	3.352296025	7.52421426	6.91172153	20.80915537	2.602584319	3.408327261	20.8384409
110008139R1k	749.4030284	792.2620085	744.032298	808.2650262	627.0296118	758.227243	707.2187364	728.2863173	875.8100387	823.2156547	942.508485	660.1888889	731.9042677	715.615284
Slaz	893.450585	938.032181	934.114243	1009.475957	955.495652	617.72867	616.1102002	805.734055	904.762548	987.5022599	994.1101044	659.3210608	745.573778	698.4523448
Strg3	689.2390739	730.651229	768.261229	700.738848	690.992999	726.781819	693.598561	738.695559	742.818676	758.695559	758.695559	758.695559	758.695559	758.695559
Dsn1	493.5604036	487.241352	502.006398	448.5569892	524.658484	446.600264	533.1202464	571.5564769	495.089427	529.5845932	504.092169	547.4102351	555.5859735	556.883958
Org	201.2719639	37.263144	3.973935534	15.52696955	18.36753408	15.43108173	20.74748623	25.93240625	28.9517662	21.8475922	20.4582026	21.6882026	20.4582026	18.6827704
Samh1	646.43993	690.77085	686.176101	694.653965	624.83875	671.819138	710.512418	598.415282	640.034527	598.216013	592.115074	609.92418	6915.807303	6334.156398
Rb1	1685.1481292	1742.235412	1742.235412	1742.235412	1742.235412	1742.235412	1742.235412	1742.235412	1742.235412	1742.235412	1742.235412	1742.235412	1742.235412	1742.235412
1.95668418	7.922605878	0.783162194	0.86260942	3.800179466	4.208478614	0.920264715	3.352296025	0	0	0	0	0	0	0
Rpn2	590.839696	585.958915	586.359967	573.764812	560.831169	564.601899	549.956554	551.879302	547.932055	596.438059	606.278937	502.566329	555.579431	559.818356
Manbal	411.147202	378.266952	387.3116294	371.7842244	323.13565	371.7842244	323.13565	401.474523	392.007759	342.5695718	391.5904693	406.0031537	355.319499	343.507676
1.412036147	26.9598929	15.6532289	15.6532289	29.7680748	28.0655123	35.1805238	21.1037163	23.324875	26.2170507	24.5628381	14.74797181	17.8128473	19.8782023	9.34153736
Nicap	225.076874	259.096768	253.744254	277.738848	268.945465	285.966016	285.966016	285.966016	285.966016	285.966016	285.966016	285.966016	285.966016	285.966016
Snr	48.2126834	10.29490611	5.482219651	12.0765318	9.50044664	2.9665223	2.706314944	10.89466217	14.2956833	3.49567078	15.1339318	9.542809169	10.78268435	5.421327909
Ctnnb1	147.934121	1538.572921	160.179621	115.192579	153.066705	154.830958	150.830821	1371.927159	1428.08205	1493.48588	1485.96268	1430.587458	1487.739214	1500.84975
Tn1	592.456236	70.499976	613.948949	619.353653	511.757914	555.5198421	568.30071	578.271069	572.5871473	581.1448093	603.4655058	540.4700102	553.8548409	612.610038
Lpd	1126.960624	1067.627192	120.830794	1281.837598	1226.151241	1245.709143	1233.122465	1487.012482	1384.474386	1371.152169	1384.750473	1282.465653	1232.96064	1156.65272
Rbm1	58.6457482	31.6604384	18.01270937	45.71259294	17.7341704	26.7857819	41.4846782	7.54226616	11.28221184	5.71202554	24.5320202	19.9331465	26.2038474	26.2038474
3.6627.8526	3.96130434	1.56532589	0	0	0	0	0	0	0	0	0	0	0	0
Shnh17	32.3251615	408.4792139	328.9277437	250.1567317	386.351579	349.196979	294.1639788	252.811452	342.405193	342.405193	327.925642	389.42532	333.411664	415.330984
Ralgpbp	1559.41310	1406.614281	1475.47879	1561.32305	1728.12707	1361.442256	161.495859	1467.482845	1491.284791	1010.777777	1131.102367	1514.704704	1431.501649	1496.772295
Fic3a1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actr5	349.796056	438.1208907	442.4861314	393.348954	432.5870958	415.937793	375.5599213	505.848999	386.740859	403.833677	401.995047	425.0887721	436.2671694	442.7417793
Prp116b	3431.114716	3506.55165	340.10115	320.120964	2451.115755	2467.5025	2830.79739	256.73298	2945.70129	2541.306926	2566.038947	2344.928471	2340.144467	2508.267713
Fam33b	324.1565545	406.4304104	407.243871	429.9591667	293.2471824	324.754129	313.016456	447.7021874	410.818109	489.351026	487.1234099	370.4345014	384.200261	365.936399
Dhx35	573.2299528	515.762975	634.8178402	531.8242779	560.428									

Rab22a	522.862691	579.935702	560.743469	493.412588	510.0242279	519.746889	499.743852	501.1682598	574.843897	504.241361	502.257341	544.8076507	598.1631892	431.8991235	488.6246569
Vapb	1195.899005	1127.388838	1201.677681	1190.315714	1113.455824	1190.998944	1097.812459	1111.286414	1101.521136	1097.245697	1254.224547	1169.427887	1183.544164	1175.524602	1229.485685
Npp1	585.045742	662.331291	701.715199	644.369285	683.960911	594.978261	661.213459	523.768552	532.708198	585.234661	624.274611	589.0515842	685.027586	694.833527	638.488284
Gnas	1808.987178	2089.897178	1946.338978	1967.206773	1922.120016	1950.629011	1987.203165	1953.318521	2033.318521	2033.318521	2157.531066	2188.681394	2185.462589	2197.899901	2197.899901
Nesnas	1625.53667	14.26071651	30.54329049	25.87828259	26.8870542	12.6254035	17.13922958	5.02844408	3.00965449	16.60413741	17.02567258	19.08651834	19.59793925	19.34553739	19.34553739
Gm4	16404.51338	1590.68951	16024.26325	1597.87593	17075.47307	17775.20332	17322.14225	14174.34578	14435.06494	14204.42516	14424.16216	17390.46842	17440.46176	17114.22866	17178.74952
Nelfcd	197.1934684	1904.900696	1904.85949	1105.002567	1162.854916	1069.654529	1051.807457	1010.067327	1058.46687	1132.576952	1176.663149	1211.069236	1115.378989	1179.13882	1094.375518
Tta	1669.81124	1669.81124	1854.127184	1854.127184	1854.127184	1854.127184	1854.127184	1854.127184	1854.127184	1854.127184	1854.127184	1854.127184	1854.127184	1854.127184	1854.127184
Ap5e	2346.930082	2195.350626	23521.20027	2309.205416	2574.621588	2743.54343	2385.005166	2371.749547	2314.425841	2351.671098	2133.884296	2485.480024	2306.592241	2486.580124	2266.356129
Slim2	2077.15317	2268.26413	2249.239238	2063.361732	1994.943079	2212.653371	198.239238	2217.73878	2371.693341	2427.69967	2295.628186	1995.581466	2162.260281	2162.260281	2107.013841
Zp8	92.48534464	114.191865	115.9078716	114.4679448	198.4473756	115.0317001	159.665455	113.9780653	147.473168	94.38141264	87.96597499	174.3731494	133.7772375	140.57422989	120.0004671
CS3010B08Rk	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000	0.0000000000
Gm14295	21.97671556	45.95119649	32.10963107	40.54264272	66.50014065	51.20313482	33.3763945	45.9784968	39.8779485	55.92972501	49.18527638	20.8219903	48.2295103	41.56351391	40.9582433
Gm14420	13.73544722	25.35238247	26.62748401	22.72784941	20.90087076	18.93814575	17.13292568	24.30414638	43.64094111	26.21705907	27.20089677	18.21809023	28.97086672	37.36541494	37.36541494
Gm14403	2.747089445	0.396110043	7.831612945	1.21392246	2.533452977	2.806512257	2.706194144	10.89496217	13.9824315	4.72935494	7.807752957	0.55652945	1.770713258	7.904222392	0.00000000
Gm14322	0.00000000	2.37678026	1.56632589	0.00000000	0.00000000	0.07041286	2.706194144	0.00000000	0.52431813	1.89174398	0.00000000	2.55652945	0.00000000	0.00000000	0.00000000
Gm14325	77.83420093	70.51131876	101.810965	85.39833255	79.80378879	105.2119200	103.174422	134.2990161	97.06142181	88.26409888	97.15681961	98.03067601	98.05925263	98.48745702	90.53927467
Gm14327	0.915964862	5.54583406	0.00000000	0.43354271	0.00000000	0.839074013	0.00000000	0.839074013	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
C33013J21Rk	10.0726613	3.16904034	2.34448383	9.488703616	3.166816221	8.416953669	4.051232574	3.352296052	9.028969471	5.243411813	6.107980188	1.27505613	6.260421576	5.711373258	2.874262688
Gm14326	75.0871149	64.1372269	61.06859807	62.97407463	63.33623443	85.5723623	47.8094288	39.3894761	66.9456891	64.6887457	75.6695569	67.6119229	78.39175699	74.09148143	53.8924254
Etoh1	71.17115109	79.22650085	77.52326015	62.97407463	69.03559363	71.54410618	93.81473054	69.56013308	49.65932309	69.91215751	63.17333682	60.88011386	64.75840795	64.77025202	2.479074929
Zp31	15.56680410	27.721903	17.25954848	22.92701679	18.26735265	19.84542373	34.36103454	38.37312025	25.3431571	20.80915537	20.8074657	27.2669809	27.2669809	20.7685815	25.14976852
Fam217b	1.831392963	2.376786026	0.00000000	1.752218839	2.533452977	2.806512257	1.80412943	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Taf4a	736.291712	729.6733098	747.9130362	756.50461	929.1438794	862.0363382	91.80178796	862.3781594	782.5106875	812.7288311	967.6257248	938.65411	922.8073133	990.2598981	1011.0219
CS115C22Rk	11.90405426	23.76786026	16.4463878	8.626094197	18.36753048	25.25086101	23.45368258	25.9802944	30.0956649	17.47803398	20.80915537	18.21809023	11.92918041	18.07109303	32.3354524
sm14b	445.137145	415.786195	435.786195	435.786195	435.786195	435.786195	435.786195	435.786195	435.786195	435.786195	435.786195	435.786195	435.786195	435.786195	435.786195
Psm2	4734.282092	4560.260121	4674.896767	4644.16373	4640.143966	4561.98888	4505.81325	5021.739486	4737.139916	4847.531262	4613.957269	4642.142897	4653.765392	4529.214974	4560.73632
Ss181	33.88076982	53.0815457	46.2065167	54.34393494	34.20161519	35.77203595	26.15986763	23.46607273	47.40208972	31.46407088	32.36453107	30.7468375	35.7297646	32.3545524	32.3545524
Mt2	274.7089445	282.002575	296.811306	231.1793245	276.779377	273.5509942	276.3931426	199.124227	270.9800841	325.0515324	275.2483737	247.2603833	260.738004	288.2707158	285.2707158
Ohp2b	516.5205156	488.825692	484.341639	488.393757	482.123049	487.50317	487.50317	487.50317	487.50317	487.50317	487.50317	487.50317	487.50317	487.50317	487.50317
Adm14	294.7426374	279.850938	284.260725	278.345029	281.656347	292.98846	287.923981	295.0486	287.923981	284.7426374	284.7426374	284.7426374	284.7426374	284.7426374	284.7426374
Lama5	235.026208	207.572642	138.6195491	169.0714463	160.0541829	176.0546142	168.686107	62.01477697	57.18347332	147.18347332	147.18347332	147.18347332	147.18347332	147.18347332	147.18347332
Rps21	5774.382013	5386.589396	5252.662802	476.331253	568.1903464	6257.33046	5794.883767	4042.407291	487.148343	4042.670388	3949.010167	4828.6144	4640.4518	5887.19581	5887.19581
Cahe2	4319.107971	451.589348	464.361369	468.3969149	490.223151	464.337774	524.197346	468.636608	452.953018	411.6078274	454.0179354	432.896525	463.533874	507.7971742	495.810337
Scloa1	422.27550085	459.179089	459.179089	459.179089	459.179089	459.179089	459.179089	459.179089	459.179089	459.179089	459.179089	459.179089	459.179089	459.179089	459.179089
Mtgp	324.1555545	356.5179038	392.363805	383.8298454	377.4844936	383.6728047	403.229275	326.179191	304.8435975	390.6341801	379.2941502	392.990231	364.2671694	378.8440295	378.8440295
Oqfr	2914.661901	3047.831947	277.021499	282.1106708	2625.924011	2811.262525	2878.488505	382.0107902	2612.966887	2612.966887	2612.966887	2612.966887	2612.966887	2612.966887	2612.966887
Col8a3	120.9940611	10.29490411	11.74714942	3.450437679	5.06095954	11.22260489	3.60825889	5.02844408	7.524141262	4.36995084	6.621094891	2.60283914	4.260421576	10.84265872	5.748525376
Dtd61	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521	1624.139521
U1	5.041470873	11.61469554	11.65434006	11.65434006	11.65434006	11.65434006	11.65434006	11.65434006	11.65434006	11.65434006	11.65434006	11.65434006	11.65434006	11.65434006	11.65434006
Sc17a7b	249.9851395	347.8030217	295.251808	288.9741556	346.499646	342.0527162	338.274268	266.621325	263.3449249	347.8129636	341.4593223	347.8129636	338.274268	365.030792	366.4684927
Ythd1	19.50409292	19.13132751	19.68847694	20.49.559891	17.18.94785	18.98402522	19.86.345602	20.65.852442	20.027.00346	19.31.32351	19.31.496424	17.73.227449	18.97.55177	18.64.936801	19.07.073293
Argp1	70.0019873	61.0268587	60.8324881	72.1144748	70.3035169	70.9150985	82.48.74193	88.0151877	82.86301207	80.22.400405	76.8.927443	79.0.3181048	78.4.982113	77.6.1534577	77.4880571
CS24a9-ps	6.05262026	22.97558259	6.26520398	11.21392246	12.67.784258	12.67.784258	12.67.784258	12.67.784258	12.67.784258	12.67.784258	12.67.784258	12.67.784258	12.67.784258	12.67.784258	12.67.784258
Pdpf	64.6811716	562.006628	56.8302568	56.7363877	56.2715394	62.8545715	62.8545715	62.8545715	62.8545715	62.8545715	62.8545715	62.8545715	62.8545715	62.8545715	62.8545715
Srms	0.915964862	0.00000000	0.783316194	0.00000000	0.126672859	0.00000000	0.706194144	0.839074013	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
CS801628	0.915964862	2.376786026	0.00000000	1.752218839	0.63363244	4.051232574	3.352296052	9.028969471	5.243411813	6.107980188	1.27505613	6.260421576	5.711373258	2.874262688	0.00000000
Hel2	524.77504	455.312963	3817.128149	3710.945723	3842.614803	4331.825486	399.810249	2103.585274	2871.212382	2295.740472	2538.716955	3782.422543	4012.46504	3863.59969	4590.18713
Eme2	885.477947	925.327832	622.344255	682.1334875	656.145231	655.1195655	695.6817557	607.6035959	729.8416982	628.2094176	693.322222	675.494738	625.2598183	684.0745187	684.0745187
Rtel1	885.477947	925.327832	622.344255	682.1334875	656.145231	655.1195655	695.6817557	607.6035959	729.8416982	628.2094176	693.322222	675.494738	625.2598183	684.074	

Larp1b	1101.582867	1012.510847	1085.461554	1001.489536	909.5096188	895.7041529	998.5856393	1030.831036	1017.263894	1101.990383	959.1128886	869.2631625	918.5468917	916.2044167	855.0931496
Pgrmc2	1512.730588	1392.004349	1452.764201	1394.839342	1507.404521	1534.691219	1443.303544	1397.395456	1531.915154	1400.864686	1433.939797	1417.549026	1509.413222	1420.387912	1406.203232
Jadr1	454.185454	485.556611	491.825299	483.961275	493.389973	486.079744	485.2335284	515.451515	552.3940175	452.1261454	526.5895055	458.7626177	526.5895055	498.7626177	515.451515
Secl1	138.271087	140.757588	200.489234	181.275389	191.753889	191.753889	191.753889	191.753889	191.753889	155.784041	182.1096383	155.784041	155.784041	155.784041	155.784041
De1rd751e	63.1830573	68.3655689	71.267678	81.9479847	70.3032011	79.9610588	63.1445303	77.1028902	66.9648561	57.67752995	78.507298	80.6801138	66.4625768	68.6634222	65.3894765
3lrf	59.5202713	40.4036243	57.107745	55.8782259	40.5324763	38.5777043	3.3762945	29.3259046	45.1448475	37.5777466	18.9147368	35.5686526	26.4146377	31.1675383	31.1688957
Ccm4	107.5007684	779.5865164	803.5234881	803.9519791	65.7967843	71.336824	63.720184	736.670575	70.4000862	68.7696338	689.5397394	881.0099534	688.779958	712.010054	700.615302
Elr2	693.230479	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178	699.3645178
93.15698416	11.8839301	11.7474194	21.56525349	13.933917	81.4695639	10.8247768	10.0568816	6.51444785	6.11731782	7.383482795	11.2778559	13.6333494	6.31421866	7.54852576	6.31421866
Mgap	157.4997948	110.1244192	10.8109683	10.0626927	122.8744694	9.98931957	106.4436363	12.571102	17.30552482	18.35194135	11.9111257	16.44272529	17.4212059	10.0599141	10.0599141
Nduf1	459.495363	495.1635763	456.524607	473.575714	497.140018	476.960707	493.076578	443.545929	489.0681797	490.2590045	444.5592284	460.6574244	437.1192537	428.7621077	448.1845307
Ndu15	489.65141	4444.589576	450.659572	447.467875	447.467875	447.467875	447.467875	447.467875	447.467875	447.467875	447.467875	447.467875	447.467875	447.467875	447.467875
Rad33	167.572561	194.896451	174.644687	102.005875	181.141879	169.040485	175.9026194	170.967097	176.064047	197.501845	167.4191137	157.8901153	184.0502121	176.1935171	174.614583
Secl3	1824.067391	1824.579406	1858.441752	1632.918631	1421.900483	1376.171925	1660.7104	1912.484898	1857.710409	1829.076821	1944.710157	1638.558138	1641.758802	1653.9141	1653.9141
50314340711Rrk	0.91596482	3.16904034	0.0	0	1.266726489	2.104238417	0	0.83074013	0	0	3.783482795	0	0.246021576	0	0.247426268
Mg2	347.048965	342.571877	314.830404	277.5945766	211.8109474	281.2665351	250.779907	170.1290426	249.8014887	198.3757469	169.3109551	251.5831508	267.554475	224.0815536	230.956907
Ham3	31.1368057	42.7821486	35.2425587	25.2070028	22.5871155	27.3550294	8.11895243	53.6873684	34.08211579	56.75224155	21.8852056	22.8583082	18.0710903	28.0240521	28.0240521
Foxo1	1721.503985	1775.459611	1788.740397	1857.190881	1633.443807	1681.98790	1789.896394	1861.362383	1877.735955	1946.495918	1758.373629	1816.603855	1803.010411	1787.231101	1723.120481
Kmt20750	0	3.132645178	1.75218839	1.266726489	2.065651223	0	0	0.752414123	0	0	0	0	0	0	0
Cog6	307.67148	314.5280174	306.9992274	324.3785324	327.4487973	300.906097	291.6815529	310.9254858	296.4511643	346.9390817	338.6217102	298.4266666	303.3420162	358.7111967	307.5461076
Lhp	0	0	0	0	0	0	0	0	0	0.873001969	0	0.867520106	0	1.437131344	0
Nhm3c	42.8486511	135.4769035	138.1760373	108.688769	126.0392956	111.5246361	114.352228	89.673194	86.5276241	115.3505959	68.10269031	126.191917	123.5522257	94.8732822	94.8732822
Ufm1	723.400274	716.991717	718.920683	763.1645053	700.4997482	695.1000905	732.319721	762.6475191	755.4273249	769.8957318	691.4314808	747.8092276	761.7633778	758.0823527	712.0985809
Ufm1	786.583277	712.31369	818.737202	747.8823668	797.4043245	786.2837552	838.2019471	832.207495	797.501031	816.224439	832.3662149	779.020394	862.9639395	851.2702794	759.523913
Supt20	649.2288054	785.1315054	798.1301131	684.409298	737.2348163	738.587844	788.6004313	824.6646828	785.203344	796.1246387	830.4744735	770.3949584	833.384602	729.1689308	894.6142616
Exocd8	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429	1665.33429
Alg5	1018.254487	984.761786	998.3100138	900.5642341	978.758886	919.7465371	978.930681	928.586005	921.7073002	904.4857838	943.9789574	870.982187	956.808969	968.610586	863.7159377
Rfxap	510.958367	446.837728	423.690263	438.205582	488.320613	465.738103	532.218187	507.1271186	507.1271186	548.8863762	443.6133577	596.8593371	524.0318538	535.5132421	516.6487181
Sg20	572.310301	455.5506545	541.976158	576.230923	455.3881726	530.2680811	540.7336242	566.481477	547.5527255	547.9365345	488.2059599	518.7818076	535.108949	428.0474793	488.0474793
Dck1	17.39862315	6.338909668	10.0170977	13.80175071	1.268726489	1.741012857	5.41238829	8.380740474	5.66898858	7.86511772	16.07960188	11.2778558	7.668758836	7.862223292	7.862223292
Ibea	0.91596482	0	1.566325946	2.587626249	1.266726489	0.70141286	0	0	0	0	0	0	0	0	0
5.89417889	0	0	0	1.900089733	2.104238417	0	0	0	0	0	0	0	0	0	0
Comm2d	496.30749	504.3226898	500.201964	498.9621504	545.3257353	551.3104653	534.0223112	445.073009	554.5290823	529.5845932	540.092169	557.8205723	551.2885519	550.2647828	533.8942943
Rnf13	347.775795	491.9947074	510.7301318	464.9464772	399.6252071	359.8247631	492.573343	468.0029762	471.763549	541.1535936	591.3912722	416.8734348	458.4213616	512.4760822	512.4760822
Ph2	90.819217	79.22104308	110.425475	93.7474784	74.10349958	80.7180823	2.716194144	0	0	0	0	0	0	0	0
Tsc2d2	535.006749	523.6851876	534.8991641	546.0317626	546.5924798	488.5437542	538.5236347	569.0522549	566.5878343	463.1680435	617.6535663	498.8286611	530.8485283	494.244394	551.139704
Ser1	3346.80064	3201.530776	3503.863632	3400.406332	325.620887	321.189635	379.824306	320.28004	379.824306	3417.3806	339.142576	336.614712	3407.485176	3261.832292	3198.338006
Elr2a	1915.03749	1821.410358	1915.182616	1816.251616	1872.855113	1734.593869	1877.196671	2254.419095	2407.313828	2099.10627	2709.023796	1805.325989	1802.158327	1867.647485	1845.995211
Se1	395.934826	4023.106479	4172.683377	4172.683377	4090.635944	4215.348477	3982.47231	4060.26265	3813.700168	4460.829522	3813.700168	4460.829522	4247.460431	4318.05876	4042.6501
Erh1c6	0	0	0	0.86260942	1.266726489	1.402526141	0	0	0	0	0	0	0	0	0
Gm234	0	0	0.792262099	0	1.900089733	0	0	0	0	0	0.945870699	0.867520106	0	0	0
Siah2	938.5888936	912.216679	924.9134888	846.2198407	811.338159	1005.825963	941.7555622	732.4766874	754.6713649	868.658571	840.8790512	869.2631625	793.2904974	817.7169597	911.859337
93.9549302Rrk	0	0	1.566325946	0	1.266726489	0	1.00472806	0	0.502444078	0	0	0	0	0	0
Hed12	75.0871117	72.8880148	75.9646452	52.51911	73.6549552	55.9280122	55.9280122	55.9280122	55.9280122	55.9280122	55.9280122	55.9280122	55.9280122	55.9280122	55.9280122
Cp171	108.878718	1207.232314	118.914727	102.614922	107.964542	1423.165638	107.605805	124.964518	970.614281	105.186755	1295.3484	156.45373	1285.795232	145.709331	1257.469926
Pz1y14	721.568275	523.6851876	530.983577	429.579491	362.917139	374.5544383	397.015392	221.251394	286.6987807	346.9390817	412.3966247	281.9466345	324.6412421	331.6045571	363.9423
Pz1y12	1.83139293	3.16904034	2.349483883	0	0	0	0	0	0	0	0	0	0	0	0
Pz1y10	6.40867583	3.16904034	0.96425812	9.488703816	5.06909594	7.216517718	3.352296052	10.5339772	11.3507267	11.3507267	6.072696474	6.072696474	6.072696474	6.072696474	6.072696474
Gm538	7.325571853	3.16904034	0.783161294	0.86260942	1.266726489	1.80412943	1.670614026	1.504288275	1.801741389	0.867520106	4.26021576	0	0	0	0
Mbn1	7467.50400	8526.323736	8836.480868	9150.560724	8734.712502	8323.665765	9450.02952	9554.881823	9634.6624	9241.513321	943.840919	9805.670189	9805.670189	9805.670189	9805.670189
Pt1	10.0726613	957.1004432	22.7116754	20.7026507	8.237271262	11.9240177	19.84523743	14.0566264	11.28621184	17.9031069	25.7858087	9.54280169	8.52084312	13.5531977	12.9348121
Rapb3	532.019559	503.608129	503.608129	559.109254	559.109254	559.109254	559.109254	559.109254	559.109254	559.109254	559.109254	559.109254	559.109254	559.109254	559.109254
Arhgef26	0	0.79262099	1.566325946	0	0.63363244	1.402526141	0	0.502444078	0	0	0	0	0	0	0
Dhx36	1379.38901	1471.35673	1449.631556	1322.38024	1226.824604	1247.813381	1272.81333	1564.68412	1531.162739	1397.369248	1433.93979	1381.35867	1271.309798	1355.33177	1271.309798
Pich1	37.54555554	31.6904034	33.6759366	31.0539931	9.50044864	29.49393784	20.474884	20.474884	31.33885638	30.5865691	31.3333682	19.9531464	26.4146377	27.1063991	15.0899781
93.9549302Rrk	0	0</													

Msto1	852.513423	822.3679648	827.018327	872.0981233	859.439225	855.022102	795.6210784	962.108967	838.189326	951.6792441	953.4376644	778.1727113	818.8530269	863.7982469	824.9133914
Dap3	1668.39999	565.61986	171.472719	607.903958	1881.08835	1807.5408	1713.020893	1475.848337	1622.95782	1631.574972	1579.604067	1786.240371	1758.720026	1734.824931	1680.006451
hsh1	486.391795	524.477449	516.895454	521.010895	482.4227921	425.23838	563.790467	542.238864	499.602174	483.754614	562.730558	491.888435	562.730558	551.918555	453.504184
R35u6	278.05896	278.05896	337.8120229	337.8120229	337.8120229	337.8120229	337.8120229	337.8120229	337.8120229	337.8120229	337.8120229	337.8120229	337.8120229	337.8120229	337.8120229
Fcds	7875.905438	7247.549762	724.414794	6993.174565	7061.36681	7539.486249	7338.265455	5403.901236	5898.174307	6301.707098	6544.883492	7089.439685	7102.974851	6992.853044	6870.20639
Hn0	4209.64519	61.00417465	52.47480673	63.8330705	51.93578603	63.8330705	63.8330705	63.8330705	63.8330705	63.8330705	63.8330705	63.8330705	63.8330705	63.8330705	63.8330705
Chk2	65.9301467	101.4095371	110.4257425	48.749487	68.4032308	83.48812389	73.0674129	77.94088321	89.57123757	77.6599645	88.95716314	83.262892	105.685451	78.60925469	102.7548911
Scamp3	3.6823925	1.58478045	5.4821294763	0.4823925	0.4823925	0.4823925	0.4823925	0.4823925	0.4823925	0.4823925	0.4823925	0.4823925	0.4823925	0.4823925	0.4823925
Fam19b9	663.672878	688.475864	725.207357	745.178148	689.029098	594.7980592	667.277889	538.043164	639.520042	557.549462	570.360034	775.102727	767.727968	749.053608	742.996048
Gba	517.3685121	439.951477	516.886544	463.221584	428.105351	407.5280481	483.310816	447.3608585	491.012407	491.012407	491.012407	491.012407	491.012407	491.012407	491.012407
Mtcl	6060.76526	110.9658249	116.2341764	116.2341764	116.2341764	116.2341764	116.2341764	116.2341764	116.2341764	116.2341764	116.2341764	116.2341764	116.2341764	116.2341764	116.2341764
Hbs3	4.4086173	7.13835845077	7.1383584507	7.1383584507	7.1383584507	7.1383584507	7.1383584507	7.1383584507	7.1383584507	7.1383584507	7.1383584507	7.1383584507	7.1383584507	7.1383584507	7.1383584507
Muc1	15.56680419	3.169048034	14.0990303	9.488703616	3.168618221	4.20476834	5.51023574	0	1.50482845	6.117313782	1.891713388	7.800775257	0.852084315	0	10.05991491
Trim6	70.0820797	90.31786997	107.2930973	80.22267603	77.85682413	56.0369693	77.85682413	56.0369693	77.85682413	56.0369693	77.85682413	56.0369693	77.85682413	56.0369693	77.85682413
Krtc2p	1519.140463	127.122638	143.606137	129.639348	1388.955959	1284.98847	139.720678	1066.868219	996.947124	1101.116481	1160.58347	1293.480424	1229.55767	1281.240496	1232.34017
Dmp3	275.540374	265.407728	252.177938	274.309754	228.715528	261.628975	298.584206	219.575391	188.105306	209.784725	254.439218	277.00894	253.069416	290.944578	282.363691
Sc5b1	318.592522	318.498274	367.305071	363.158957	342.649532	419.444857	371.656667	371.656667	316.0139315	346.0651797	386.889575	406.870688	419.733987	362.325415	419.733987
Ena1	0	2.376786026	1.56522599	0	0	0	0	0.83074013	0	0	0	0	0	0	0
Ena3	1.83132963	0	0	0	0	1.402825611	0	0	2.25724368	0	0	0	0	0	0
Ena3	1.83132963	6.33890968	0.78316294	0	0	4.20476834	0.60625859	0.83074013	0	6.621094891	1.75506231	1.70418663	1.70418663	1.70418663	2.87426268
Adm15	128.1975074	133.100014	123.798465	116.4522717	127.738655	159.9221197	130.174484	78.7895723	102.382307	83.02069705	114.53371	100.214708	126.497651	147.3059628	0
Dct1	2.14708945	0.56536206	1.56632598	0	0.633632244	0	0.00260475	0	1.04280285	1.891743398	2.602584319	5.112505891	0	0	0
Zbtb7b	226.1770309	237.6786026	190.308146	193.22451	249.545182	307.218809	310.3102619	120.682579	97.8183594	139.824315	189.1741398	269.801241	233.4711024	250.2846385	308.9832389
Gm15417	4.57848408	3.169048034	2.349443883	0	0.70026918	1.402825611	1.80412913	2.51422039	7.52414126	4.36950589	9.542809169	5.256525495	2.71066395	4.31394032	0
Lesk	34.21268334	15.84524017	12.53580871	16.3957897	10.76717515	16.3957897	10.76717515	16.3957897	20.3151811	12.2462756	27.70889677	17.35066213	10.22501178	16.26398737	12.21564472
Hcd1	37.892005	32.9434934	391.580472	2.38702329	2.38702329	2.38702329	2.38702329	2.38702329	32.9434934	391.580472	2.38702329	2.38702329	2.38702329	2.38702329	2.38702329
Kcsb17	1608.87718	1859.438934	1911.69672	1957.93173	1989.73268	1857.3411	177.067488	1772.526538	1832.12388	1799.04609	1964.06333	1768.927308	1907.43869	1829.46801	1907.43869
Shc1	1058.102565	1647.112716	1692.6999	1538.895205	1556.80654	1650.42432	1672.427981	1443.16345	1535.677224	1447.181661	1466.09593	1626.615519	1663.28583	1697.71499	1569.34728
Pyg	1059.02769	141.649554	1102.169103	1103.277448	1171.088639	1153.82436	1240.33838	1096.81131	1119.592214	1119.46842	1135.990709	1171.23964	1133.272139	1180.104275	1162.699257
Pdxr	685.629328	380.290589	842.115529	881.7537298	780.308519	696.520021	555.330231	687.320284	681.8311235	682.915645	681.8311235	681.8311235	681.8311235	681.8311235	681.8311235
Rmvx	912.936956	911.101396	942.921986	966.251187	891.754479	929.311967	913.915561	838.9129871	835.1796761	855.471689	864.644406	857.588918	864.644406	857.588918	864.644406
Chk2	3403.63282	3278.380129	38021.436274	2982.903373	3054.710927	324.138465	3526.17097	2292.9705	2585.29425	2250.27597	2422.37486	3119.63107	3050.461848	1877.80171	1000.618075
Hn0	21.5716278	22.18333624	18.7958707	27.60350143	17.76717515	13.2684313	16.23716487	14.63782829	22.5724388	21.84754922	20.8206745	36.3625555	28.9174685	29.46119255	28.9174685
Chk3	40.4021204	20.27755925	14.09903034	34.5043769	13.9399137	13.9814575	33.2693545	33.52906657	17.4780398	34.9971585	36.9750355	36.9750355	36.9750355	36.9750355	36.9750355
Hn0	179.625191	1927.573467	1874.110478	1892.39178	1636.75409	1955.33098	1951.620911	1751.452369	1897.241174	1892.205047	1892.205047	1892.205047	1892.205047	1892.205047	1892.205047
Shr	22.89214204	34.06726637	28.976097	21.56525349	41.80197412	46.29324518	57.73214715	21.78992344	13.5454321	23.59535316	49.18527634	58.12483312	45.1640687	34.3505767	42.3953475
Ille	110.7992743	147.3607336	157.4154202	127.6661941	231.8109474	274.938198	305.7999383	173.303618	66.9468591	61.71313782	127.692543	253.9211297	275.5841687	262.995039	262.995039
Apb2b	2563.950148	2910.770619	3109.935	2888.016337	3156.682499	3171.788707	3403.49109	3027.379332	3162.396557	2992.240342	3160.154005	3494.860403	3581.310739	3683.367634	3683.367634
Nac1	1466.42262	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681	1480.129681
Gm19710	1.83132963	7.1383584507	6.285023697	3.45043769	1.83132963	1.83132963	1.83132963	1.83132963	1.83132963	1.83132963	1.83132963	1.83132963	1.83132963	1.83132963	1.83132963
Ubap3	5958.437006	5861.946601	5895.638225	5761.368314	5743.525157	5648.477324	5999.63214	641.2662	5844.752904	5749.401053	6184.102629	5947.772139	5668.901348	5917.388309	5917.388309
433434E20Rk	766.7956456	701.7944195	711.1104554	783.249353	708.1001071	762.4357918	779.715253	788.684534	784.015517	756.791915	716.024119	758.2195649	605.831949	777.960555	777.960555
1700909D03Rk	22.89214204	27.75870626	28.976097	22.4778491	32.940887	21.0428441	43.25910613	26.7614054	18.0793894	30.5865891	28.7361209	32.9859395	43.4563007	11.76210471	33.0542091
Tpml	91.891265	19881.80167	18981.81671	1892.39178	1900.08529	1897.83178	1900.08529	1900.08529	1901.014712	1901.014712	1901.014712	1901.014712	1901.014712	1901.014712	1901.014712
1700909D03Rk	22.89214204	26.9369929	21.14535495	27.2518389	17.73417084	21.0428441	43.25910613	26.7614054	18.0793894	30.5865891	28.7361209	32.9859395	43.4563007	11.76210471	33.0542091
Rps27	0	5.5483046	0	0	0.70026918	3.50760298	0.51023574	0	0	0.873901969	0.945870699	0	0.40832761	5.421327909	0.71856572
Rab13	7.235571853	3.963103043	0.78316294	4.313047098	3.166816221	2.10423841	0.90206471	0	0	2.621705907	1.75506231	1.510526981	2.71066395	2.155697016	2.155697016
Jfb	529.556869	595.1822162	650.807057	612.452588	637.1634237	655.119565	667.228807	687.228807	705.764447	719.2231304	740.6167571	757.737188	598.015736	726.4579399	726.4579399
Frab3a	0	0	0	0	0.633632244	0	0.00260475	0	1.04280285	1.891743398	2.602584319	5.112505891	0	0	0
Sc3b1	1438.559137	1460.138824	1400.052524	1380.052524	1258.492766	1308.83265	1323.89637	1307.39546	1361.869562	1367.662284	1408.509729	1398.455735	1705.102562	1299.16735	1299.16735
Crtc2	1000.85254	1108.37455	1114.438252	1136.056018	1091.918233	1091.91823	1152.837895	959.947199	889.354549	1042.556049	1128.42374	1100.05269	1005.105394	1139.382416	1123.18145
Mdm4b	1013.87605	1661.63191	1938.255038	915.541613	1067.217067	1059.84379	1177.144653	1032.507184	923.212184	947.309743	1023.321899	1011.537772	1133.272139	1006.558982	1185.635359
Atab2b	1013.87605	1661.63191	1938.255038	915.541613	1067.217067	1059.84379	1177.144653	1032.507184	923.212184	947.309743	1023.321899	1011.537772			

Pde4dip	742.629845	655.200681	617.9142614	594.3378901	569.3935566	631.2715251	710.8269952	540.557384	512.3940175	535.7019069	475.7729615	626.3552927	624.577803	491.5337305	610.0622555
Sec2zb	925.7691429	985.739386	1106.54336	1209.253021	958.9119518	1040.10581	1050.003328	1061.001701	1033.06459	1042.565049	983.7055267	1027.153278	1036.134527	1049.930505	998.389899
Gm544	0.91566482	0.76226209	0.98529695	0.8620967	0.80017946	0.70412968	0.71674802	0	0	0	0	5.205186838	0	0	0.1897109033
Nrc2	1908.74503	1889.22668	2109.0801	2095.0001	1951.583228	1992.17378	2165.58325	2061.61649	1714.595663	1748.914922	1715.429523	1688.58325	1688.58325	1952.342391	0
Phghd	13579.45188	13557.1847	13717.89136	12808.8277	12652.69753	13210.62794	12508.9314	12871.14049	13317.7799	13472.94465	12896.9468	12298.94596	12194.17863	11943.18538	12281.0059
Wars2	125.490418	134.3994235	135.4869039	135.429789	135.429789	135.429789	135.429789	135.429789	135.429789	135.429789	135.429789	135.429789	135.429789	135.429789	135.429789
Mbr61	0	0.316904034	0	0.175218839	0	0.210428417	0	0.167618026	0	0.156208245	0	0.0867528106	0.964590206	0.903554652	0
Spag17	0.91596482	0	0.78312645	0	0.78312645	0	0.78312645	0	0.78312645	0	0.78312645	0	0.78312645	0	0.78312645
Wdr3	1943.107934	1911.78227	1932.18717	1902.88671	1881.08835	1906.440006	1941.243266	1905.185033	2081.92977	2059.616921	2162.962448	1807.06144	1817.869716	1818.689716	1818.689716
Gdm2	465.177156	466.642323	453.053895	498.588246	421.186554	450.3070213	448.326213	481.892575	535.718953	491.132065	523.066496	458.054801	483.98391	426.477955	459.163446
Fam4c6	176.771556	180.4357379	234.1652271	239.195779	193.8091527	208.3196033	211.985208	141.6345082	167.039552	132.833993	266.063097	244.942926	246.93141	191.5535861	191.5535861
Hm2c23	1350.127545	1250.725355	1406.583965	1406.583965	1406.583965	1406.583965	1406.583965	1406.583965	1406.583965	1406.583965	1406.583965	1406.583965	1406.583965	1406.583965	1406.583965
Trm2	63.9314667	62.3952488	73.6715168	71.5968133	61.03870061	69.4386677	59.53827118	66.6551801	74.48989814	76.90337326	62.42746612	63.32955176	63.84542598	66.48745702	51.7367285
Trif	1195.92457	1228.798375	1249.14265	1237.844517	1216.057429	1180.477752	1201.5502	1325.833089	1181.29077	1311.726855	1234.218978	1198.063515	1306.245255	1178.236256	1304.91526
Cd101	299.4327495	325.6189026	317.6228425	352.1499638	392.7911712	359.0215712	359.0215712	360.672327	240.7275192	258.6749828	210.9291658	367.8319171	347.650400	421.9600223	376.5284121
Pgdm	737.353516	710.6596216	726.736813	628.842469	666.298133	738.587684	740.233897	756.637285	750.1558802	738.741484	639.897575	689.688445	700.433071	696.6406364	695.5715705
Cd2	5194.12058	5094.244715	5225.68163	4405.015142	5001.66954	5377.05309	5577.466131	2981.294517	3075.38057	3952.79365	4977.008746	4853.022236	4611.742942	454.1599602	509.4499602
Igs5	218.851491	295.573129	331.277276	338.3029759	365.4793096	290.0210161	270.619414	259.80294	212.931397	263.0449021	245.9238317	236.9676449	277.7794867	211.4317885	252.616509
Ap1a1	11936.0308	11697.74856	12140.56639	11857.42908	11368.23987	1216.20481	11973.10496	12552.67257	12606.68862	12040.07301	12324.6952	11986.41292	11951.3346	11720.07039	11724.1715
Sec2a15	51.27900297	48.42798252	42.290709	50.03134634	57.63605523	47.6960709	41.4949768	51.9605881	32.3538077	65.54264767	52.96875913	39.9062979	51.97174322	54.21327909	38.80254629
Tspan2	70.5062908	96.6559654	86.14774239	96.3322217	44.3354271	58.6200849	56.8007703	29.3325046	27.83932254	41.94729451	33.10547446	65.046797	58.7981775	78.09257495	68.8260749
Sk1e1	428.5459534	473.772811	470.679938	431.3047098	461.7218051	453.814805	462.7591987	405.627822	354.3870517	452.6812199	353.7556413	467.5974635	514.689264	460.812873	461.319164
Csde1	456.831264	4267.9154	4528.284605	4217.297453	4324.604232	414.141205	447.71956	4969.77889	4305.31369	4479.621493	4696.248019	4303.80635	4061.033846	4226.635769	4274.020817
Nras	267.833726	188.866226	2912.576854	2844.023257	2606.18984	2605.94716	2899.25369	2992.762301	2910.337826	2952.914733	2999.355986	2804.718368	2739.10907	2737.648797	2677.375964
Ampl1	0	0.79236209	0	0.79236209	0	0.79236209	0	0.79236209	0	0.79236209	0	0.79236209	0	0.79236209	0
Dendm2c	76.0028077	72.8881074	75.056484	60.38265938	55.6049512	53.2025152	39.0052993	54.12388299	73.0739546	78.2467508	62.1476508	67.66719229	45.1604687	73.78792678	69.70087018
Bcas2	1509.06782	1535.57859	1455.89646	1395.702041	1518.80506	1462.06451	1416.24016	1551.005806	1571.04068	1580.01476	1556.90317	1478.26793	1490.295467	1482.730881	1434.257081
Trin33	1464.198674	1463.92575	1474.57879	1414.67948	1481.43628	1472.285479	1501.93775	1510.209372	1515.362043	1427.955817	1494.475704	1513.896545	1571.243477	1552.303691	1626.114116
Sy6	21.0611038	20.9881222	17.9391429	17.9391429	20.2673262	23.6303539	12.6398061	10.6688816	12.0386259	61.6291568	13.24218978	15.6150591	17.88377062	15.84265552	15.84265552
Htm25	3.927051	2.7620209	3.44774239	3.45043769	3.14681014	3.14681014	3.60825889	3.60825889	3.60825889	3.60825889	3.60825889	3.60825889	3.60825889	3.60825889	3.60825889
Hpk1	329.031135	340.575589	342.414857	352.22559	338.314875	347.638641	329.080381	311.3444958	3080.38318	2892.615517	3241.498885	3521.261075	3479.062059	3096.481791	3283.845121
Dclre1b	342.2299415	328.714584	390.308146	238.9428092	216.610295	190.082703	234.557473	194.433171	238.5152769	230.7924055	238.7552375	230.7924055	176.3814352	188.8429222	201.9169538
Cm15471	0.91596482	0.78276109	0.469987767	0.801957163	0.78276109	0.210428417	0	0.167618026	0	0.156208245	0	0.0867528106	0.964590206	0.903554652	0
Ap4a1	31.31369801	31.7469764	36.8837763	355.95013	325.4954417	306.7020217	341.0961374	392.007573	392.007573	353.9302974	455.1005211	301.03225914	379.0129574	374.0716253	350.660479
Bcl215	0	0	0.1566322589	0.8260942	0	0	0	0.167618026	0	0	0	0	0.852084315	0	0
Pcn212	3097.801797	3014.566292	3153.790533	2960.475528	3123.114158	2952.947912	3293.438274	2397.989844	2318.187192	2292.265986	826.74821	831.8028148	613.740248	324.36026	3125.042107
Rbm1	684.0252717	694.817815	669.029068	627.1170481	609.9288042	622.854515	663.9196301	555.6430707	543.242995	558.423381	630.3294495	600.3294495	634.8028148	633.056357	633.056357
Phl105	0.91596482	2.378798229	0.91596482	0.91596482	0.91596482	0.91596482	0.91596482	0.91596482	0.91596482	0.91596482	0.91596482	0.91596482	0.91596482	0.91596482	0.91596482
Wdr7	121.412867	127.881072	187.860263	746.744753	752.4355342	784.700708	826.340769	826.9031207	826.9031207	826.9031207	826.9031207	826.9031207	826.9031207	826.9031207	826.9031207
Mag13	715.8137245	202.026812	173.3943984	260.614089	167.812597	179.5616783	188.5315458	205.9185033	216.695273	174.7803938	174.040286	187.386701	181.4935951	165.3550512	196.1684284
Lr1g2	213.3578202	159.244667	191.8745171	150.9566484	174.088254	187.9786319	151.545272	173.4813207	157.7917818	175.93195	189.121272	197.6835611	200.5891326	171.7371956	171.7371956
Sec1a1	4439.296543	405.375082	4435.042411	4172.44173	4418.97355	420.910373	4494.98474	471.932437	409.672999	3934.30646	421.238436	426.118957	431.511225	409.954925	409.954925
Sec1a1b3	39.613104	39.613104	53.5496803	53.5496803	53.5496803	53.5496803	53.5496803	53.5496803	53.5496803	53.5496803	53.5496803	53.5496803	53.5496803	53.5496803	53.5496803
Pcm1j	237.1653887	254.316702	295.974205	267.914205	224.210588	248.300132	249.7713497	150.853232	205.400555	197.501845	170.567258	231.630004	226.644278	244.863106	252.456228
Rhoc	76.655599	70.51131876	60.3034198	75.9096283	59.5361496	56.9200849	55.0259476	56.9500329	74.48989814	55.0582404	67.1581961	45.9789863	47.71672165	47.8883955	56.7666809
Mov10	2654.604	2406.0927	2237.492438	2020.39382	2225.39561	2142.95525	2237.216881	1882.88367	2041.88968	1723.778347	1796.13973	1883.07894	1945.87584	1945.87584	1945.87584
Adn3	5520.74087	5575.59042	5569.25387	5570.0232	5554.194217	5624.626589	5567.99147	5595.551489	5585.38357	5601.615556	6006.170679	624.84725	6145.22081	5910.150976	5980.46805
Sr71	291.452191	291.452191	292.456293	292.456293	292.456293	292.456293	292.456293	292.456293	292.456293	292.456293	292.456293	292.456293	292.456293	292.456293	292.456293
Cpn2b	0	0	0.714882094	8.614774239	15.52699655	12.676489	12.02489417	2.70619414	2.51422039	3.76076013	6.11731782	6.11731782	6.11731782	6.11731782	6.11731782
Ctdn2b2nl	7.32551863	7.32551863	4.6989677	0.8620942	12.0390164	13.5076229	6.31440303	8.38074013	0.75241123	3.495607876	2.83761096	0	0.71468163	4.51773258	4.782426688
Dtt5b	11.45316933	12.9164445	1239.744329	1126.56702	1036.815631	1155.226891	1155.226891	1353.48931	1301.18126	174.145071	1225.840426	110.74996	1065.96747	978.549877	1069.94428
Sec1a1b2	145.831264	187.25596	187.25596	187.25596	187.25596	187.25596	187.25596	187.25596	187.25596	187.25596	187.25596	187.25596	187.25596	187.25596	187.25596
Rap1a	2690.31623	2678.637851	2768.475176	2577.796913	2635.424459	2609.255637	2691.76119	2679.32362	2853.96707	2730.069751					

Sec2109b	173.091072	160.336527	157.415202	136.251701	133.006281	126.3740843	142.592249	116.482278	104.585563	119.724569	104.045769	119.718877	133.777237	128.304765	164.551589
Sec2410	164.100962	180.138659	177.484202	173.730259	167.649909	173.802349	152.800628	164.262866	174.409596	152.758042	166.376559	181.736326	186.164376	180.439639	1731.027404
Opt3	2701.305441	259.157991	2057.364721	202.027972	210.999693	225.256402	207.74191	1841.8748	204.29906	2091.24712	203.889865	279.464871	2701.41697	204.500581	2167.912632
Rsc14	8.241268345	12.67619214	14.880646	2.56782598	14.54785462	17.13922598	10.6588861	0.02899471	10.48882363	14.1880048	16.4930342	0.96496026	13.5533197	34.91353736	
Sec1141	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125	109.18114125
Hadh	681.2781823	640.025194	78.7609715	649.544983	683.398406	656.328074	694.785791	720.143914	741.8803249	730.491085	718.861731	760.775297	686.779958	778.8641097	683.355954
Cy2p1	0	1.58452401	0	2.58782598	1.9008973	4.20847834	1.80212943	2.51422309	1.50482829	1.74703938	1.94876988	3.470112425	0	0	0.50999704
Sgma2	39.37449871	27.7291703	22.7116754	22.42784491	12.03390264	1.813866474	13.53097072	20.59185033	20.81006657	22.37105907	33.10547446	14.74797781	13.63334904	12.44976112	10.05991941
Agm1	6.25050000	7.13035500	1.50356471	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Sigma1	1885.450946	1740.599345	1783.619145	1701.065776	1780.185156	1793.512544	1736.475576	1788.449944	1699.705303	1832.572490	1727.155968	1700.355808	189.303993	1837.830161	1699.470734
Tck1	207.863103	205.1596862	194.224001	205.301404	207.109716	195.6941728	202.954608	177.784671	190.360773	178.760017	187.282984	178.1071899	231.021078	234.924704	150.898711
Gm2811	3.662785926	0	0.78312169	1.75218839	0	0	0.90206474	1.67634862	0.75241123	4.36950845	1.882141398	1.3470112425	0	0	0
Ngr1	6.25050000	7.13035500	1.50356471	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Int12	432.208793	49.888645	641.282025	54.5244715	393.9519379	432.771701	432.088984	422.388959	379.969139	415.103432	402.530777	367.831917	398.754595	386.721390	431.572614
Pa2	369.941372	307.396759	340.675161	321.615929	381.018035	354.421937	350.903174	279.916704	331.062219	333.056354	329.660804	375.769183	371.306918	375.809846	
Te2	538.4295312	503.067534	526.284389	427.855617	471.855617	513.434178	612.501947	430.770027	389.453342	388.012472	395.379524	484.942114	553.854048	496.051739	525.990719
Sec12197	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525	2525
Bdh2	14.6513147	10.19166812	10.96425812	11.05665818	11.77341704	7.14550874	6.70619414	12.9757023	16.5531077	17.42790398	15.81283629	6.07696744	5.96490206	8.13199416	17.24556713
Sc19b2	31.65166426	99.03275106	88.49722628	113.05665818	113.05665818	113.05665818	113.05665818	113.05665818	113.05665818	113.05665818	113.05665818	113.05665818	113.05665818	113.05665818	113.05665818
Sec9b3	1.815793293	3.96130104	2.39484883	4.13034708	1.9008973	1.9008973	1.9008973	1.9008973	1.9008973	1.9008973	1.9008973	1.9008973	1.9008973	1.9008973	1.9008973
Sec10b3	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626
Sec30b3	2.19775516	13.48545414	21.14535495	23.29054433	13.9309317	33.36922748	17.13922598	18.43782629	15.8006657	22.34268578	18.25900223	17.01869023	27.10656575	10.59991841	
Ube2d3	7769.86484	7371.555701	734.029998	730.889613	7575.024402	7901.533623	7781.201203	7603.704476	7452.616844	7525.169954	7741.951669	7800.812732	7408.021036	7796.895342	7529.313141
Manba	269.2147656	306.935075	320.793585	253.670149	255.878750	286.877837	249.871926	222.927687	279.890536	255.1793749	242.319083	245.510451	293.117004	290.010432	319.761724
Nbk1	120.147648	10662.2621	11155.3498	10394.4351	10580.9636	11057.07147	11453.3824	11302.2564	10329.89349	9652.24747	10730.84318	10534.39379	11088.07727	11201.7678	11100.3302
Sec14102	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000
1.59684618	14.26071615	6.26529306	18.11479781	25.33452977	14.72667692	25.2781201	12.571102	13.5737972	15.7302354	17.9330184	18.2189003	6.10667427	28.0101942	22.2755383	
Pdd1a	792.993153	686.4352312	485.425004	840.185147	986.146573	1038.00952	1048.199199	709.010165	769.196414	815.350537	768.047074	975.101593	1035.282443	960.021702	900.183496
Int10	0	0	0.78312169	0.8626594	1.26678489	0	0	0.70492104	0.71727103	0.86513772	1.13504489	0.806528106	1.00416863	1.04700033	0.71856672
Sec30b3	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626
Sec30b3	2.19775516	13.48545414	21.14535495	23.29054433	13.9309317	33.36922748	17.13922598	18.43782629	15.8006657	22.34268578	18.25900223	17.01869023	27.10656575	10.59991841	
Ube2d3	7769.86484	7371.555701	734.029998	730.889613	7575.024402	7901.533623	7781.201203	7603.704476	7452.616844	7525.169954	7741.951669	7800.812732	7408.021036	7796.895342	7529.313141
Manba	269.2147656	306.935075	320.793585	253.670149	255.878750	286.877837	249.871926	222.927687	279.890536	255.1793749	242.319083	245.510451	293.117004	290.010432	319.761724
Nbk1	120.147648	10662.2621	11155.3498	10394.4351	10580.9636	11057.07147	11453.3824	11302.2564	10329.89349	9652.24747	10730.84318	10534.39379	11088.07727	11201.7678	11100.3302
Sec14102	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000
1.59684618	14.26071615	6.26529306	18.11479781	25.33452977	14.72667692	25.2781201	12.571102	13.5737972	15.7302354	17.9330184	18.2189003	6.10667427	28.0101942	22.2755383	
Pdd1a	792.993153	686.4352312	485.425004	840.185147	986.146573	1038.00952	1048.199199	709.010165	769.196414	815.350537	768.047074	975.101593	1035.282443	960.021702	900.183496
Int10	0	0	0.78312169	0.8626594	1.26678489	0	0	0.70492104	0.71727103	0.86513772	1.13504489	0.806528106	1.00416863	1.04700033	0.71856672
Sec30b3	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626
Sec30b3	2.19775516	13.48545414	21.14535495	23.29054433	13.9309317	33.36922748	17.13922598	18.43782629	15.8006657	22.34268578	18.25900223	17.01869023	27.10656575	10.59991841	
Ube2d3	7769.86484	7371.555701	734.029998	730.889613	7575.024402	7901.533623	7781.201203	7603.704476	7452.616844	7525.169954	7741.951669	7800.812732	7408.021036	7796.895342	7529.313141
Manba	269.2147656	306.935075	320.793585	253.670149	255.878750	286.877837	249.871926	222.927687	279.890536	255.1793749	242.319083	245.510451	293.117004	290.010432	319.761724
Nbk1	120.147648	10662.2621	11155.3498	10394.4351	10580.9636	11057.07147	11453.3824	11302.2564	10329.89349	9652.24747	10730.84318	10534.39379	11088.07727	11201.7678	11100.3302
Sec14102	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000	340.000000
1.59684618	14.26071615	6.26529306	18.11479781	25.33452977	14.72667692	25.2781201	12.571102	13.5737972	15.7302354	17.9330184	18.2189003	6.10667427	28.0101942	22.2755383	
Pdd1a	792.993153	686.4352312	485.425004	840.185147	986.146573	1038.00952	1048.199199	709.010165	769.196414	815.350537	768.047074	975.101593	1035.282443	960.021702	900.183496
Int10	0	0	0.78312169	0.8626594	1.26678489	0	0	0.70492104	0.71727103	0.86513772	1.13504489	0.806528106	1.00416863	1.04700033	0.71856672
Sec30b3	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626	622.6262626
Sec30b3	2.19775516	13.48545414	21.14535495	23.29054433	13.9309317	33.36922748	17.13922598	18.43782629	15.8006657	22.34268578	18.25900223	17.01869023	27.10656575	10.59991841	
Ube2d3	7769.86484	7371.555701	734.029998	730.889613	7575.024402	7901.533623	7781.201203	7603.704476	7452.616844	7525.169954	7741.951669	7800.812732	7408.021036	7796.895342	7529.313141
Manba	269.2147656	306.935075	320.793585	253.670149	255.878750	286.877837	249.871926	222.927687	279.890536	255.1793749	242.319083	245.510451	293.117004	290.010432	319.761724
Nbk1	120.147648	10662.2621	11155.3498	10394.4351	10580.9636	11057.07147	11453.3824	11302.2564	10329.89349	9652.24747	10730.84318	10534.39379	11088.07727	11201.7678	11100.3302
Sec14102	340.000000	340.000000	340.000000	340.000000	340.000000	340.0									

Facc	0.015696482	0	0	0.86260942	49.40233305	51.79565518	46.29324518	60.43830959	5.8721069	0	0	2.621705907	0	0	4.260421576	1.807109303	0	0
Fbnc4	63.18307573	49.12024453	59.52025838	95.16965188	95.84234828	95.84234828	95.84234828	95.84234828	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731
Hm12	180.353531	1046.571813	1076.063619	917.81612425	95.84234828	95.84234828	95.84234828	95.84234828	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731	1072.734731
Unif4	1.83292633	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ud14	531.1039593	575.9474802	603.817358	600.3761561	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178	632.0965178
Ud14a	429.4616499	476.194861	470.679398	447.6942888	497.82351	497.82351	497.82351	497.82351	497.82351	497.82351	497.82351	497.82351	497.82351	497.82351	497.82351	497.82351	497.82351	497.82351
Manea	312.2145502	278.876227	329.1191628	295.010341	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666
Map37	180.169678	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827	196.611827
Bach2	1027.412540	1174.731109	1104.257425	1130.01834	1102.685408	1046.896670	1046.896670	1046.896670	1046.896670	1046.896670	1046.896670	1046.896670	1046.896670	1046.896670	1046.896670	1046.896670	1046.896670	1046.896670
Bach2os	45.78482408	4.781482094	8.626094197	10.13381191	5.70042029	1.80412943	1.80412943	1.80412943	1.80412943	1.80412943	1.80412943	1.80412943	1.80412943	1.80412943	1.80412943	1.80412943	1.80412943	1.80412943
Gja10	6.409875371	3.169048304	0	2.587826259	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caspasp2	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358	1458.554358
Lm1n	3097.801129	3040.701589	2954.887564	3268.2987	2540.419973	2465.466012	2823.462557	4228.32147	4057.769363	3636.306093	3967.927581	3029.408147	2882.601238	2597.719623	3054.622372	3054.622372	3054.622372	3054.622372
Mdnt	180.3922069	174.297519	163.6807105	148.3688202	136.1730975	224.4502789	200.024812	200.024812	200.024812	200.024812	200.024812	200.024812	200.024812	200.024812	200.024812	200.024812	200.024812	200.024812
Ankr6d	20.14532259	20.29904611	11.74714942	12.07653188	12.66746628	19.6395586	24.01303544	25.982094	24.8266605	26.21705907	8.512836289	19.95314464	5.11205891	17.1675384	14.37131344	14.37131344	14.37131344	14.37131344
Ctrd10	131.8602933	85.58429692	9.3619404	17.6104304	17.750466	10.2159209	98.32503691	183.5382089	103.831489	110.111648	110.668718	102.633049	102.633049	102.633049	102.633049	102.633049	102.633049	102.633049
4933x21010Rk	16.4925367	29.7802626	13.31374201	21.59328549	19.82429507	24.5404462	27.06194144	32.68489531	29.8302254	14.85033347	20.89015537	26.02584919	13.63343004	21.6831164	16.52701046	16.52701046	16.52701046	16.52701046
Ube2j1	1944.02363	1791.304401	2077.726914	8434.43596	1936.824801	1963.254443	2080.161232	2039.034074	1906.813787	1932.197253	1731.758718	1971.023857	1935.08348	1988.723788	2023.480932	2023.480932	2023.480932	2023.480932
Gabr2	2.74708945	5.59158466	2.344843883	0	4.43554271	0.90988964	5.41238869	0.83807401	0	0	0	0	0	0	0	0	0	0
Gabr1r	0	3.169048304	0	1.75218839	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pm23b2	6.33809068	1.566322589	1.75218839	0.63306324	0.70141286	10.82477658	7.54266617	2.257242368	0	0	0	0	0	0	0	0	0	0
Srt12	14.65114371	8.71482094	1.566322589	8.626094197	13.3002813	12.6254035	4.01523574	7.54266617	10.48682367	0	0	0	0	0	0	0	0	0
Pncrt	1094.257295	104.887633	1076.063619	1086.887869	1089.38478	1077.72895	1075.55446	1081.198765	808.927677	879.1454261	815.3405423	112.786538	135.828392	1220.70324	1164.07369	1164.07369	1164.07369	1164.07369
Rngt1	801.2344214	746.310812	790.2097461	707.3397241	686.565758	695.8013753	739.690358	1231.32328	706.5168611	743.690575	708.7704628	718.3070777	759.88462	690.516108	759.88462	690.516108	690.516108	690.516108
Spncal	5.494178889	5.54583406	4.69898777	4.31304708	8.237217216	2.104284471	5.41338289	1.67614802	0	0	0	0	0	0	0	0	0	0
Aknr2a	962.9283403	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375	990.690375
Orc3	124.955967	1128.1811	1159.453619	1201.614922	1086.219764	1058.133371	1106.835309	1231.96879	1108.577558	1087.620873	1243.819699	1081.807549	1064.25331	1121.313258	1151.860772	1151.860772	1151.860772	1151.860772
Rars2	463.342197	429.215588	453.405895	469.2595423	452.8547197	443.2928932	416.7538982	447.531523	455.929583	500.7458262	509.8243066	412.075805	423.485094	447.2595525	420.3609181	420.3609181	420.3609181	420.3609181
Sic3a1	215.1886732	236.864305	268.624324	273.254765	245.115795	239.817667	230.928567	298.3543486	258.8304582	284.081399	290.3823045	227.3658476	222.3044364	249.3810838	290.3005315	290.3005315	290.3005315	290.3005315
Smn8	116.125808	146.584716	148.5838072	147.5802108	183.0419776	171.8463174	175.9626204	134.0914781	184.533049	186.141419	182.533049	182.533049	182.533049	182.533049	182.533049	182.533049	182.533049	182.533049
Tp2r1	1148.779912	141.849107	1192.88827	1008.94748	940.015261	1233.12249	980.67124	980.67124	980.67124	980.67124	980.67124	980.67124	980.67124	980.67124	980.67124	980.67124	980.67124	980.67124
Mmb3	93.4014121	101.4095731	74.6251663	74.18441009	69.6995687	68.9283074	74.18441009	70.3982171	75.8720997	96.1291568	83.2362149	88.48786684	92.0251004	83.24882561	81.330024	81.330024	81.330024	81.330024
4933x21021Rk	137.354222	160.891277	132.3545168	106.963568	127.0937573	150.1023404	120.876718	131.9780058	104.585563	101.3726284	110.668718	98.84178058	94.87324856	94.87324856	94.87324856	94.87324856	94.87324856	94.87324856
Ac101	1078.69405	889.817375	596.239406	954.064081	875.9413668	957.727067	1001.291833	991.415574	1054.884	996.248245	1041.03639	969.894628	929.623978	918.011526	965.0336975	965.0336975	965.0336975	965.0336975
Ube2j2	1480.00121	1273.70417	272.992246	330.69018	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816	1497.35816
Topors	872.6587469	817.6134928	958.589425	872.9507327	800.571408	887.2871992	903.8888442	917.691043	856.996856	1004.987264	973.300949	906.5668711	871.682254	837.595162	849.252527	849.252527	849.252527	849.252527
Toporsos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ndufb6	1012.76309	1010.134661	1070.58149	944.5573145	1074.817426	1514.525478	1055.34828	1148.161398	1099.39998	1021.591402	1087.781304	997.293838	955.558578	1081.554918	919.746061	919.746061	919.746061	919.746061
gpr	295.421295	257.458125	260.945666	267.2192891	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666	260.945666
Cm287	0.015696482	0	0	2.344843883	0.86260942	0	0.70141286	1.80412943	0.702541123	0.873091969	0.47335494	0.867528128	0.867528128	0.867528128	0.867528128	0.867528128	0.867528128	0.867528128
Dna1j1	3071.245178	3603.26718	3602.248085	3373.053602	3555.06789	3486.021644	3630.80147	3900.396457	3862.141691	3943.045684	4052.117044	3680.054227	3694.637291	3751.558913	3621.750987	3621.750987	3621.750987	3621.750987
Smu1	2360.65529	2321.366375	2542.141562	2381.66408	2372.578713	2419.814781	2300.342311	2633.228549	2509.301099	2496.737925	2727.891095	2431.463192	2324.486012	2408.780526	2327.434211	2327.434211	2327.434211	2327.434211
Bdgat1	2927.481639	2997.481639	3296.54277	3346.61399	2910.237125	2835.819713	3216.761773	2807.547944	3071.373761	3043.187636	2813.019458	3228.072083	3003.863909	3058.532498	2867.795597	2867.795597	2867.795597	2867.795597
Spn14	1538.142656	1046.507318	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281	0.763161281
Bagi	2402.787568	2346.680039	2362.797625	2335.646199	2449.215566	2553.142613	2436.476195	2692.731804	2594.323895	2792.116791	2586.953631	2529.711958	2334.711024	2401.66381	2383.342831	2383.342831	2383.342831	2383.342831
Chmp5	653.875878	605.5346024	620.2637452	590.5135467	549.759296	606.7220769	597.1668412	604.413357	543.242995	662.4176924	596.844109	561.2966848	632.2456518	603.5745073	574.1339719	574.1339719	574.1339719	574.1339719
Ntk1	2070.02289	2662.792181	2848.316238	2639.58424														

Ad314180	2776.391732	2600.996174	2658.049433	2749.13622	2315.576021	2347.628661	2560.059661	2800.843352	2808.00905	2621.705907	2745.862639	2596.51622	2550.28835	2403.455373	2546.596741
Pgr1	35.71216278	21.93107423	43.0738712	31.9156453	50.66095954	33.6671847	51.41768874	32.68488651	40.24775192	28.83867497	47.29353494	52.0516868	63.05429392	41.56351397	71.76667479
Adn25	180.2742529	143.3994228	126.871972	180.285387	125.4054224	117.1380886	141.453855	127.989675	141.453855	127.989675	118.246762	118.246762	118.246762	118.246762	118.246762
Wg104097	866.7344573	786.041591	786.041591	786.041591	786.041591	786.041591	786.041591	786.041591	786.041591	786.041591	786.041591	786.041591	786.041591	786.041591	786.041591
Ugcj	3411.88509	4768.790374	3571.215503	3497.18817	3603.240397	3476.201865	4355.11843	2393.533941	2682.356347	2545.676435	2974.763348	3978.483905	4804.892207	3971.122694	3790.43392
Km12596	11.90405426	3768.70051	9.9379535	17.2521839	8.23372216	18.2367329	9.92216843	0.83074013	0	0	0.189147398	11.2776538	5.11205891	9.93971160	10.05991941
Susd1	55.0145019	86.3955989	67.5084303	83.6713171	56.3993238	70.1120957	62.24245532	16.76148024	58.68830156	75.1555693	55.80637123	55.0640797	76.68789836	66.86304422	69.70087310
Pfp1	1417.48815	1465.88716	1509.183154	1360.33925	1400.90131	1334.08175	1454.95307	1530.32319	1575.554929	1590.501583	1377.187737	1440.954185	1440.39542	153.159475	235.05019
Hsd1	761.859477	726.5042618	867.569105	724.5091125	736.339293	746.303215	881.085897	769.159194	828.688196	813.240342	797.258377	803.821443	786.9961015	767.4281377	767.4281377
CS109A1981Rk	51.54272054	35.14768035	127.655291	128.2808035	317.439824	131.8652675	122.6808012	113.978058	118.814314	514.769239	117.983225	117.983225	117.983225	117.983225	117.983225
Inip	718.217837	610.041761	625.040965	646.044553	717.600558	724.643932	612.501943	710.686763	710.686763	665.913348	672.5140668	618.5475398	669.7382717	734.3402737	734.3402737
Km30	180.2742529	143.3994228	126.871972	180.285387	125.4054224	117.1380886	141.453855	127.989675	141.453855	127.989675	118.246762	118.246762	118.246762	118.246762	118.246762
Sc31a2	41.20634167	44.3666724	54.82120061	44.8556892	41.80197412	44.18900676	46.9073517	47.7702784	40.6326852	39.3255886	62.42746612	47.71405485	37.9202398	50.2620384	50.2620384
Fkbp15	1027.11452	1156.29717	1167.99349	1170.56082	1148.287562	1107.53082	1270.107118	1076.08703	1106.801714	999.748524	1207.599124	1110.63879	1169.63879	1098.626011	1115.93249
Sc31a1	972.496634	957.844783	1021.24238	935.0686109	973.4793065	981.2765152	115.454694	843.945311	915.687972	931.5794989	1019.648613	1001.94563	980.749048	957.524333	957.524333
Cdc26	545.75103	552.998819	553.699550	554.348997	471.222537	544.296337	513.948694	644.478916	514.512598	520.455735	526.849792	497.961133	534.256865	575.564311	566.948312
Pfp1	1417.48815	1465.88716	1509.183154	1360.33925	1400.90131	1334.08175	1454.95307	1530.32319	1575.554929	1590.501583	1377.187737	1440.954185	1440.39542	153.159475	235.05019
Wdr1	29.3022871	30.8982183	28.979679	25.0156731	30.40143573	18.2367329	27.0631442	31.8468125	33.1062239	27.0090614	26.48437597	32.9660804	36.6396255	72.6398373	32.3354524
Bspy	76.2028079	90.7178897	78.31612945	68.14614145	74.76862802	64.9607287	86.3785115	54.9262035	84.7684098	96.47881127	72.0043282	78.39175699	76.6925499	16.0922392	16.0922392
Hsd1	17.3982315	32.78786026	14.8800646	22.4278491	8.68706842	14.0285611	28.6660787	25.1422309	24.0775192	19.2258432	17.02567258	14.74797781	22.15419219	25.29953024	21.55697016
Adn	507.8771412	608.457225	637.492397	581.389748	623.2294324	510.6285252	607.991578	724.9340213	708.021689	686.247672	629.004127	589.919123	576.961014	546.0556542	569.1040132
Pol3	752.7025078	628.706069	632.102505	847.0824501	779.075157	761.028942	766.750507	686.428046	910.421083	931.579498	908.058708	800.728421	841.859304	805.067194	798.753529
493343017Rk	28.3865903	18.222062	25.8443272	18.9774023	24.0673802	14.7296862	13.53097072	25.890294	16.553107	13.9824315	30.26786236	6.875280163	9.372927467	27.1066395	20.1198382
Rk3	624.505004	748.687598	682.96688	612.45688	884.804523	742.796162	799.229373	680.510698	671.905811	614.353041	653.596529	917.8447364	850.3801465	858.379169	880.421586
Zp618	0.1596462	3.16904304	4.699897767	0.86260942	0.633635244	0	5.41238927	0	0	2.621705807	4.729353494	2.602594319	17.21284743	0	4.31139402
Ccl21a	11.90405426	3768.70051	9.9379535	17.2521839	8.23372216	18.2367329	9.92216843	0.83074013	53.62673452	38.14371202	42.82119642	47.29353494	0	0	0
Orm1	0	0	0	0	0	0.633635244	0.70412806	1.80412943	0	0	0	0	0	0.81674521	1.437131344
Orm2	2.747098445	7.71358077	4.6899677	6.826094197	1.366812221	11.2268049	7.21657177	3.32296502	16.553107	16.60413741	12.29631908	9.542809169	23.8583082	7.18565672	7.18565672
Orm3	10.9883577	17.42796149	15.9790326	12.93914129	15.83408111	20.5121909	20.7474884	15.08532323	9.78138394	1.86327097	19.86328467	2.30120778	7.22843713	15.8084478	15.8084478
Orn	6301.096573	6415.73745	6514.385648	663.1583181	6813.18913	680.275032	7304.01759	5825.45245	5832.14278	671.438619	5964.665265	6877.76287	7094.454008	6843.81749	7184.388154
Wgm	166.140602	182.220262	144.848395	165.0331803	141.240035	126.957178	128.053195	186.9473931	186.9473931	186.9473931	186.9473931	186.9473931	186.9473931	186.9473931	186.9473931
Atp61p1	114.619519	109.79958	110.739554	120.7479991	131.343537	1138.392467	1135.699476	830.513465	922.993512	963.9317169	1.06104043	1042.768784	1115.684504	983.067469	1020.363254
CS304613Rk	37.7446791	37.155406	42.972384	382.998523	359.1169595	329.6640187	322.9391679	352.81595	367.930509	367.930509	300.786822	292.3569718	357.8754124	392.386314	293.839598
Tnfs1b	1.85139293	7.92208026	3.91580472	0.34704708	0	1.4028571	5.41238929	4.19037065	3.76207163	8.73901969	8.675224193	5.11250591	8.93054652	3.3592828	3.3592828
Tnfs1b	1.85139293	7.92208026	3.91580472	0.34704708	0	1.4028571	5.41238929	4.19037065	3.76207163	8.73901969	8.675224193	5.11250591	8.93054652	3.3592828	3.3592828
Tnc	10.0726613	19.014282	7.04845165	19.84001665	10.7671575	35.7064029	14.8012943	24.3041463	29.34415078	22.72145119	18.91741398	17.35062513	12.78126473	17.1675388	12.9341821
Tmr32	452.354619	430.935326	443.0881959	426.9916627	468.688008	496.600264	538.253126	438.0851562	415.325957	364.417121	357.539124	421.853592	448.2343126	472.5590828	468.5048181
Trg	1.85139293	7.92208026	3.91580472	0.34704708	0	1.4028571	5.41238929	4.19037065	3.76207163	8.73901969	8.675224193	5.11250591	8.93054652	3.3592828	3.3592828
Me4	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104	602.613104
493343017Rk	28.3865903	18.222062	25.8443272	18.9774023	24.0673802	14.7296862	13.53097072	25.890294	16.553107	13.9824315	30.26786236	6.875280163	9.372927467	27.1066395	20.1198382
Tr1	335.1444444	330.372575	361.037568	38.927997	179.2417981	259.5277381	330.356548	455.071491	482.274526	558.42358	631.841628	236.85173	230.648153	252.995304	247.1865912
CS49334303Rk	5.49417889	11.09166812	2.34948838	12.9747023	4.43354271	13.7215251	2.70619414	13.0918421	12.79104008	20.0974528	25.3385087	4.43764031	14.48534336	6.324882561	2.155697016
Adm201	6.40987371	7.92208026	3.91580472	0.34704708	0	1.4028571	5.41238929	4.19037065	3.76207163	8.73901969	8.675224193	5.11250591	8.93054652	3.3592828	3.3592828
KIdmC	483.276828	457.6274409	485.276828	457.6274409	485.276828	457.6274409	485.276828	457.6274409	485.276828	457.6274409	485.276828	457.6274409	485.276828	457.6274409	485.276828
Tmrn2	59.3713201	53.0176077	562.390048	632.292704	580.1607318	596.022977	586.247765	583.295311	578.606403	514.670636	634.679238	62.851803	61.771285	593.635461	565.511138
Zdhnc21	1390.94295	1403.88279	1338.422652	1207.653188	1202.755818	1269.55175	1361.21565	1417.32324	1106.296346	1102.266493	1320.377737	1385.489096	1237.868973	1252.499696	1252.499696
Tc3b	209.0535057	2089.194916	2152.127737	2097.866109	2104.666661	2141.413296	2370.62507	2143.79325	2156.66641	1933.945057	1892.687268	2292.009257	2349.194967	2087.212145	2281.44608
Snacp3	240.8261747	216.257263	156.1255173	225.1410565	247.0118653	240.840624	238.0471494	186.3473931	194.1228436	220.223662	207.145683	253.669416	240.345373	259.4020276	259.4020276
Ccl21	29.3022871	30.8982183	28.979679	25.0156731	30.40143573	18.2367329	27.0631442	31.8468125	33.1062239	27.0090614	26.48437597	32.9660804	36.6396255	72.6398373	32.3354524
Ccl21	1.22926211	30.8982183	46.9898767	22.4278491	29.1347094	16.1324495	45.0053045	26.81838642	33.1062239	29.9736475	41.6183705	45.989893	32.37920398	34.2327964	34.2327964
Cntfn	109.846778	118.074093	97.293073	110.4140057	103.481238	102.876718	126.0766718	110.579905	97.87702052	97.87702052	93.733682	91.9579797	95.433443	107.5230035	125.7499926
Rrga	118.984594	1178.09367	1341.310652	1183.50014	1079.25968	1198.714485	126.48969	1238.67397	1126.36394	1114.22501	1135.04438	124.94986	1192.931401	1203.534796	1176.

Foxd2	26.5551977	25.3523827	27.4100631	12.07653188	15.20071786	32.26498906	21.64955315	40.22755263	18.81035306	26.21705907	25.53850887	19.08561834	17.89377062	32.52796746	14.73131344
Foxd2os	59.5202713	72.0958427	85.3645811	73.73180067	60.6647266	68.56691832	69.56014308	76.7482405	115.3555099	64.3107952	82.4151701	74.98341973	59.634607	56.38947615	
Cmpk1	1126.306672	662.4376984	1256.190716	1158.48451	1235.05838	1024.14056	1380.159014	1335.051801	1442.373783	1152.42463	1353.54495	1387.224295	1312.209845	1258.208492	
Sul	741.711451	785.932124	754.967487	689.572448	683.113168	762.244884	658.7261743	689.9534617	672.9345611	627.112273	656.483558	700.4133701	665.016223	714.2542779	
Ta1l	0	0	2.34948803	0	1.266726489	0.701412806	0	6.70492104	3.0096649	5.243411813	0	0	4.337640531	0	1.437131434
Pdz31p1	76.6555039	54.66607859	68.6683103	46.58000866	74.76862289	89.78083913	58.63420646	64.53169901	44.3924323	67.29045161	75.6695569	44.37062338	47.42533345	47.42533345	
Ecfa41	580.485407	704.320526	371.099234	600.3761561	557.9930182	558.7271419	427.2700769	618.4986216	612.4650598	667.6611402	648.6872994	613.3423711	646.3299345	586.4069664	500.023261
Tcx3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70418631
Apaf1	299.4327495	366.8173099	321.662307	280.348014	274.246248	316.337154	322.0731032	356.1814555	363.4160212	355.646985	328.2171325	324.4555117	331.4074968	256.959666	314.0131996
Mnk3	131.8602933	118.2754779	104.9436135	106.6887699	122.3729181	119.415989	143.4282897	123.3959161	93.50751067	116.3425909	118.8135046	120.9597728	118.4829629	105.6291538	
Mobk	40.747849	458.7191209	464.4146476	476.1603096	478.826217	382.971391	423.9701491	448.369597	430.380781	455.2031085	434.1546507	463.2400088	420.9296517	468.9446442	509.4630614
Seb	61.6184384	662.4376984	1256.190716	1158.48451	1235.05838	1024.14056	1380.159014	1335.051801	1442.373783	1152.42463	1353.54495	1387.224295	1312.209845	1258.208492	687.0558984
Nsqm	264.636282	286.005851	234.1652271	231.7193245	223.5772252	235.8142613	238.1458847	387.190194	279.8980536	304.9917871	270.5109198	248.1133084	211.3169102	206.2283479	
Uqcrh	1537.454393	155.818435	167.786247	1456.8047	1693.613315	1576.07474	1664.309399	1588.988399	1577.186024	1474.475074	1685.25057	1692.239457	1682.418761	1542.760498	
Lrcr41	1145.398239	1110.751536	1051.785618	1026.856522	1030.880742	1072.48108	1055.415748	1116.314585	1101.99595	1059.169186	1067.888019	97.6134709	999.4949017	902.6510969	1004.19576
Rsd4	61.53480356	677.3840173	678.217681	677.1101285	673.8770993	626.3616355	607.9516178	725.7226933	732.0989413	700.8893791	799.2607405	690.5523726	710.6383188	695.5715705	
ZS10003181Rk															
Lura1	0.91596482	0	0.783316124	0.86250942	1.90089733	1.40282511	1.80412943	0.528444078	0	0.873901399	6.621109481	9.542809169	2.556252945	2.710663955	6.467091048
Pomgnt1	48.494593	414.3530304	364.1700019	408.0142555	363.5505022	304.8866236	456.9991513	364.1864353	414.2295333	458.7472889	358.2019179	364.6820899	308.88399	468.879298	
Pk3a3	14.65114371	10.0142882	21.92881625	37.9548146	6.969595687	6.918366474	10.82477658	3.523296052	44.3924323	30.5865691	38.8895725	19.95314644	15.33751767	17.16753838	10.77488508
Meat2	836.9455941	660.3955412	841.8983915	786.997907	894.4242542	843.0981925	844.332573	1062.677649	911.925916	985.0611476	943.7165633	941.5022631	911.7302172	946.0217202	928.3868482
Ipp	215.1886732	266.2004309	325.0119372	257.021025	283.1133702	292.48914	326.5472868	296.672006	270.8690428	297.1266694	279.9772268	314.0451748	290.410432	279.5220464	
Tmm9	165.7410632	254.3161047	260.009548	269.9967484	267.0116653	230.049722	234.557473	316.7919789	262.5925288	261.2966887	289.4363438	237.7027011	239.4563629	222.2744443	245.0308941
Gppl11	546.6707959	579.9357902	546.6465836	551.840433	521.8911333	506.4200457	598.0869099	567.361068	573.395914	522.5933774	576.6123639	576.0386626	513.806842	520.4474793	556.888398
ZS10003181Rk															
Nsp	0.91596482	0	0.783316124	0.86250942	1.90089733	1.40282511	1.80412943	0.528444078	0	0.873901399	6.621109481	9.542809169	2.556252945	2.710663955	6.467091048
Cdc17	10.988257	7.822285294	7.815231294	2.587823269	7.40052595	9.922711864	7.5426661	9.922711864	7.5426661	9.922711864	7.5426661	9.922711864	7.5426661	9.922711864	7.5426661
Casp	39887.73784	3881.29158	4227.504668	379.019167	404.139823	403.6350957	409.47174	476.550794	476.550794	436.264343	4609.227915	4201.258888	400.757567	3809.116627	
Akr1a1	5978.582328	5932.45702	5876.842354	5889.034508	5752.838348	5794.371188	500.405299	567.04842	5524.224842	5863.882211	5600.01324	5805.48087	5846.719292	5798.363959	5709.772829
U50A1173	1.833139263	4.753572051	0.783316124	2.587823269	7.40052595	9.922711864	7.5426661	9.922711864	7.5426661	9.922711864	7.5426661	9.922711864	7.5426661	9.922711864	7.5426661
Pcdk1	624.505004	704.320526	371.099234	600.3761561	557.9930182	558.7271419	427.2700769	618.4986216	612.4650598	667.6611402	648.6872994	613.3423711	646.3299345	586.4069664	500.023261
Mnacch	285.6973022	274.1285849	335.1027304	309.6170117	301.088855	92.5844093	100.1291833	155.034892	113.638455	143.1992229	122.9631098	85.8852822	121.8480571	102.1763323	105.6291538
Cdc163	163.918683	126.7619214	101.027807	114.7270528	107.0388883	92.5844093	100.1291833	155.034892	113.638455	143.1992229	122.9631098	85.8852822	121.8480571	102.1763323	105.6291538
Tesk2	60.4396778	93.489917	87.7140498	71.5968183	93.1043961	77.1554085	83.89201487	62.0147769	69.2209928	73.67776539	67.69966418	62.2215501	67.7665987	67.7665987	
Toe1	606.197108	644.190129	583.455442	532.220119	534.456366	567.27391	607.089553	607.089553	607.089553	607.089553	607.089553	607.089553	607.089553	607.089553	607.089553
Adp1	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496	167.891496
Hsp1m	88.82258871	115.6702532	75.9666457	103.5131304	89.93750958	83.46812388	151.5468721	106.435997	87.2800382	108.3638441	93.7055267	55.5217988	97.9896624	83.12702794	86.9464431
Zsdms	2.74709485	2.37678026	3.132645178	1.752281839	3.800179466	1.40282511	9.020647148	0.838074013	0	0	6.62109481	3.470112425	5.964592026	0	0
Uro2	479.092599	474.5649431	551.3455533	57.9169848	544.0590268	516.9413923	561.9963173	461.778182	520.6705728	603.866205	519.2830136	589.9113022	571.3804322	557.49322	503.714536
Hnf4a	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054	618.1942054
Ertd	80.8129038	835.004417	80.8129038	798.732768	767.635251	732.972382	718.847624	900.925954	689.745314	961.2821568	908.1496977	970.411819	676.248297	693.0254178	703.4757929
Ptcd2	4.578482408	13.4865414	4.69896777	7.76348777	6.969595687	10.52119029	10.82477658	15.0853322	14.2956833	8.739019689	13.24218978	23.42325887	7.668758836	4.51773258	17.24557613
Bttd19	295.796935	281.25013	334.2287759	345.0437679	309.7146265	315.6357626	340.0783975	471.835693	365.673236	303.243832	390.6445986	363.4947625	305.7212202	367.7147432	360.7199673
Tetcd14	1.833139263	4.753572051	0.783316124	2.587823269	7.40052595	9.922711864	7.5426661	9.922711864	7.5426661	9.922711864	7.5426661	9.922711864	7.5426661	9.922711864	7.5426661
Pk3	343.3816506	298.482772	296.8311356	296.8311356	296.8311356	296.8311356	296.8311356	296.8311356	296.8311356	296.8311356	296.8311356	296.8311356	296.8311356	296.8311356	296.8311356
Rps8	240.618732	23469.9674	24141.70034	23241.28559	24471.30034	25309.77968	18213.61084	23782.02627	23206.70878	24456.1466	23909.47829	24022.70729	24798.35198	24840.09671	
Snrp55	5.494178889	22.59758625	14.0969033	8.032659388	8.232772162	14.72966892	13.53097072	13.40918421	4.51448735	25.3431571	12.29631908	14.74797781	9.564590216	14.45687443	11.49705705
Kif2c	1131.800051	1233.551947	1237.394848	1280.974988	1153.354468	1057.730511	1216.8853	1214.369245	1173.766031	1251.427619	1227.740167	1242.300248	1156.278416	1207.149015	1169.106348
Tmn3	0.91596482	0	0.783316124	0.86250942	1.90089733	1.40282511	1.80412943	0.528444078	0	0.873901399	6.621109481	9.542809169	2.556252945	2.710663955	6.467091048
Mez20	568.612121	587.869689	7.815231294	1661.385742	1815.8521342	1803.332322	1801.4232232	1801.4232232	1801.4232232	1801.4232232	1801.4232232	1801.4232232	1801.4232232	1801.4232232	1801.4232232
Emi1	5.68162121	538.7813658	534.1160028	520.15348	558.968224	533.073723	515.979521	441.172926	585.067537	498.9890242	499.419729	402.0190802	479.7234694	459.091748	
Dma1p	372.688468	420.6911265	388.4480021	401.113301	366.717184	395.9688224	386.0893698	425.5796726	328.840176	381.895104	387.806865	392.122704	402.1899948	388.0254629	
Secl69	441.3657041	372.363144	375.9174224	371.724049	245.571266	277.0580583	273.3256058	162.586585	232.469994	181.717095	168.6328467	267.1986567	195.1678047	174.2420867	

Zp362	375.4355574	442.874628	432.3050346	401.1133801	466.1553478	438.3830036	461.857134	539.1796644	464.9919278	414.2295333	385.9152451	483.2131552	426.0421576	507.7977142	450.5406763
Trm162	310.4339993	310.4339993	65.0022847	49.1687892	72.20340985	31.56357626	48.7114946	59.5025493	33.89868352	53.3080201	45.40179354	17.13730471	30.67503535	61.44171163	53.8924254
Acin2	9.01568129	7.922652085	1.312645178	3.450437679	1.312645178	2.70618414	31.8468125	9.020889971	11.22402762	17.56869551	1.73505621	3.40833771	5.428137909	2.155697016	5.428137909
Az2	4084.920004	4083.275977	4175.48667	4083.275977	3986.858175	3986.858175	4084.920004	4077.461731	4077.461731	4077.461731	3986.858175	3986.858175	3986.858175	3986.858175	3986.858175
Rfm15b	4525.372012	3824.248175	3691.171826	3701.45702	2568.921319	3611.968928	3002.973436	5042.691337	4275.214704	4927.932033	4603.982941	2835.081491	2850.222034	2825.415395	2703.244048
S100phb	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007	336.006007
Sys	3627.98946	3503.362602	3452.958147	3204.593994	3901.179629	3199.182747	317.97399	3338.88719	3048.762025	3131.208233	3059.891711	2855.905226	3494.575881	2698.014121	2927.439548
C7780	2.247049985	59.41195635	46.59516513	46.59516513	57.70202638	71.54401674	47.30942925	1.167618026	61.09312981	0.873901961	0	0	0	0	0
Yanc	2.247049985	0	4.698997567	6.900875357	3.800117966	2.104238417	0	1.67618026	61.09312981	0.873901961	0	0	0	0	0
Rbtp4	3645.77617	6381.67049	6827.00061	6428.165795	6640.180253	6408.107333	6408.267134	6979.480381	7059.149208	6787.596592	1797.130147	6810.095364	6671.820188	6788.406097	6652.480091
Zbtb80s	746.1621704	613.1738989	488.6926478	514.1152141	514.9243176	505.0172201	506.056305	514.5717444	531.2043705	407.1592959	527.7956499	515.3116951	537.6652029	488.4013095	480.0018689
Zbtb80b	106.1319271	144.9486395	144.9486395	144.9486395	144.9486395	124.1391959	120.6430002	106.1319271	109.1000471	102.829758	136.2053806	136.2053806	136.2053806	136.2053806	136.2053806
Zbtb80b	0.91568642	0.79262009	0.783126194	1.72538829	0	0	0.902604715	2.51422039	0	0	0	0	0	0	0
Bsdic1	423.0517745	408.9121265	421.3407764	368.44902	376.8513303	331.0668443	391.496082	413.1704884	372.4449077	366.9978311	397.3278727	333.1649672	330.5792048	339.8815628	339.8815628
Marcks11	2193.09371	1909.79379	1999.410785	1981.413837	1910.223545	2029.187427	2013.408423	2458.07108	2703.653322	1713.09491	1885.120303	1917.237115	1918.014719	1470.428955	1965.277113
Hdac1	4228.68632	4233.848173	4492.993646	4502.821171	4504.52866	4490.240101	4513.61687	4981.511934	4638.33006	4768.09041	4878.801064	4287.323901	4871.994409	4313.569907	4290.9569
Flp1	903.558143	8503.348137	8615.557401	8921.106604	9501.50123	8684.191948	8725.671996	8130.155901	8281.822247	8285.465567	8411.628124	8673.546007	8621.3891	9940.708824	8632.847983
Flap167b	2.470049985	0.79262009	0.783126194	0	0.633536244	0	0.902604715	0	0	0	1.891741398	0	0	0	0
Ef3f	4404.121909	4491.33326	4704.148864	4596.845697	4720.45626	4592.149639	4238.105602	4817.678141	4853.071091	4967.258791	4956.362462	5115.911036	4442.199605	4498.439672	4498.439672
Mem234	1184.08212	1174.132927	1152.030824	1088.63088	1072.917338	1183.984816	1196.137812	1214.369245	1200.100526	1152.676697	1153.016382	1181.573783	1147.757573	1188.174367	1074.25568
Dcdc2b	210.610199	217.872652	227.899387	214.789745	214.789745	241.286052	220.103794	220.103794	218.200955	217.215119	254.439218	215.1469704	224.0861749	215.9495617	233.538434
lccm	206.7787978	207.572462	213.018721	234.2297621	214.730081	219.5889944	218.604293	178.321471	177.402097	200.5458801	220.5458801	220.5458801	220.5458801	220.5458801	220.5458801
Cdc2b2b	76.00280797	66.9256794	71.267678	70.7339724	90.5704393	83.4881238	80.2837556	95.5025493	54.9262305	62.92094176	52.02288843	74.60714714	74.98341973	90.3545616	81.9164866
Tdna	3801.31866	320.052029	3206.611824	3146.799135	3055.34429	2922.787161	3023.741571	3739.486246	3473.896004	3579.502465	3873.482795	3008.587473	3047.905595	3004.420892	3004.420892
Kpna6	1956.84301	1813.487737	1690.062074	1564.73487	1512.105688	1844.189487	1672.427981	1706.318691	1589.825554	1673.52227	1923.159321	1525.95139	176.948985	1944.472792	1944.472792
Mem200b	7.325525	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077
Hdnbs1	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639	5066.23639
Ptp4a2	6094.875781	6041.984173	6148.00808	6027.914625	618.8248187	6290.270042	6696.865501	6107.045333	6285.47445	6168.000097	6464.239344	6686.906542	6604.505527	6339.339435	6339.339435
17000300Mrk	0	0	0.783126194	1.725218839	1.26678489	2.104238417	0	0.902604715	0	0	1.891741398	0	0	0	0
Adgr2	691.9556268	0.79262009	0.783126194	5.17655518	10.76717515	0.70412806	6.314450333	3.352296909	7.85117231	2.831761206	0.96528106	5.96459026	5.96459026	5.96459026	5.96459026
Fabp3	0	0.961304103	2.349483883	7.76348771	7.76348771	6.69.464849	650.209670	661.9931387	71.1533973	708.7344969	679.135167	706.1678798	599.0152736	633.3918107	633.3918107
Zncc17	713.3725991	761.173822	884.1891015	892.8007493	761.3026196	708.207729	811.8582433	974.6800772	809.105907	946.5619304	881.5514913	843.2373193	788.1779915	837.8475735	837.8475735
Topn10	2020.70991	2204.86517	2181.10025	1915.99535	2195.968484	2089.508748	2040.47035	2384.8742	2426.792748	2296.614734	2248.286522	2201.76834	2108.708898	2128.774759	2090.30754
Alain1	222.05921	211.5359563	212.236718	186.326346	125.409324	121.488553	134.381102	185.131772	34.3819152	34.3819152	34.3819152	34.3819152	34.3819152	34.3819152	34.3819152
Pum1	2326.78476	2363.315751	2327.195651	2295.403666	2164.202206	2102.134179	2319.203832	3255.826051	2355.80681	2259.03659	2297.519927	2195.713637	2368.794396	2229.069325	2403.62713
Sdc3	944.998769	663.615633	475.3789058	464.9464772	519.912236	753.317353	826.291737	153.367544	207.6662978	138.9504131	228.900791	451.249525	457.5692772	411.173665	584.193813
Laptm5	14314.1674	13894.69111	14774.37382	14088.13704	14227.27035	14128.55815	15622.8589	12486.86517	1573.5974	12449.60745	12766.01224	14072.17341	13825.06801	14540.90501	14028.9176
Matr1	0	1.584520167	0	0	0	0.124238417	0	0	0	0	0	0	0	0	0
Ptgrn	0	0.961304103	4.698997767	0	2.26672489	5.14238829	6.704592104	2.257242368	0	0	0	0	0	0	0
Meer	499.0720799	465.057799	494.979381	577.0857017	521.8913313	521.1497146	502.4500461	644.478916	625.2561359	658.0481826	652.6507822	514.441617	564.0798166	578.274977	514.441617
Srsf4	546.6707995	579.143528	585.8044863	509.802167	545.3257533	533.775151	537.63057	491.113716	442.4195041	454.963801	496.2260768	570.8964912	574.2691467	564.7926382	564.7926382
Om12992	2.74708945	0.79262009	7.04845105	6.03265938	4.43354271	7.04140287	7.04140287	6.704592104	0	0	9.61292158	6.572241935	6.572241935	6.572241935	6.572241935
Mem200b	7.325525	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077	7.13058077
Epbl1	2324.07769	2201.696122	2256.109823	21962.41032	2008.394848	187.871088	2239.86267	2148.821769	2274.47893	2313.35475	2097.86291	2207.750461	2170.337823	2038.570811	2038.570811
Ythd1	1889.08141	1859.48394	1809.885752	1830.457188	1861.45475	1931.310955	1967.403143	2002.158817	1899.035252	1843.059252	1992.003692	1804.458458	1841.087507	1855.119497	1811.504987
Srsf15a-p54	421.258334	338.099068	7.831612945	12.07653188	15.20071786	5.611304496	9.020647148	6.704592104	3.76270613	2.621705907	5.672241935	5.20516838	4.260416752	6.90354652	5.748525376
Cmeb1	646.481763	575.4024801	726.7788313	651.2701118	663.736468	506.2096709	676.257285	676.420236	598.458951	691.4314808	658.3084392	657.8099913	642.4273573	689.824032	689.824032
Rab2	1.83129266	598.950784	567.008772	642.640147	548.45534	542.3367642	542.3367642	542.3367642	542.3367642	542.3367642	542.3367642	542.3367642	542.3367642	542.3367642	542.3367642
Shnq12	319.577021	288.383171	266.2744071	271.3757538	269.812741	324.3902436	308.562125	155.881764	171.5504199	226.340699	223.8222514	232.2404063	223.1779987	226.340699	226.340699
Snor1a15a	1.831392963	10.29940611	5.482129061	3.540437679	7.600358993	7.175540863	9.90711863	3.523295052	6.711731703	11.35044839	0.867528106	4.260421576	13.55331977	11.49705705	11.49705705
Snor4	0.91568642	0.79262009	1.565322589	0	0	0.70412806	0.902604715	0	0	0	0	0	0	0	0
Snor61	0.91568642	0.79262009	0	0	0	1.80412943	0	0	0.873901961	0.945870699	0	0	0	0	0
Snor99	0.91568642	0.79262009	0.783126194	6.038265938	3.166816221	0	0	0	0	0	0	0	0	0	0
Tmau1ap	592.4562659	549.0375719	552.918739	564.6195909	520.021252	519.054762	531.316117	616.822478	578.606403	616.97479	616.707965	506.636414			

Mu1i	409.3163273	411.1839924	405.6775505	433.0299287	384.4514893	441.8900676	439.3055161	429.0939847	435.4647777	417.0331612	417.1289782	442.4393342	426.8942419	378.589399	365.0313614
Camk2n1	12.8197507	18.2220622	7.0484156	3.45043769	10.13381191	84.16953669	10.82477688	2.51422309	3.762070613	5.24341813	10.40457769	12.14539349	11.0770961	2.71066395	4.667091048
Onu13	130.3459459	103.786231	133.1374201	114.2754201	107.0383803	129.059963	118.1694358	166.3090779	103.9943343	104.9166755	104.9166755	115.9812381	101.8123453	101.8661291	117.8447702
Tmc04	165.811804	1778.625039	1778.625039	1778.625039	1580.141384	1659.180391	1659.180391	1802.0135367	1802.0135367	1651.096757	1651.096757	1651.096757	1651.096757	1651.096757	1651.096757
Nb1s	25.63950148	30.8982183	14.0969033	19.84001665	29.76807248	21.74379698	35.18052388	19.2757023	32.35380727	19.22584332	18.91741398	26.02584319	27.26668099	32.57296746	27.35049553
Min0s1	167.2703382	1571.847825	1747.232848	1574.262191	1755.049495	1717.058485	1651.680439	1692.071432	1671.78665	1779.264409	1677.832336	1779.264409	1667.529005	1677.90088	1585.874438
Gm15287	0.915968642	0	0	0.8626094	0	0	0.90206415	0.83071403	0	0.873091369	1.891174398	1.735066213	1.70418683	0	0
Cap1b	15701.40573	15362.715951	777.577481	7920.20741	7614.57471	7570.371254	7389.70664	7570.371254	7389.70664	7570.371254	7570.371254	7570.371254	7570.371254	7570.371254	7570.371254
Pg1c2	10.9562506	55.4583406	54.8212961	51.7565518	62.70296118	57.51585007	55.0259476	58.721069	10.8234924	55.93406655	52.05168638	74.13133542	46.9841298	55.3295674	0
Ark7s	265.4793184	260.542008	223.9814302	221.6906209	248.911755	295.2947912	230.0265023	263.9933141	282.155296	246.331163	224.1713559	259.3909038	249.6607043	242.1526604	254.3727249
Mn04	2246.20349	2460.619347	2077.726914	2079.368651	1977.994312	2200.77929	2304.38776	2596.0294	2428.79278	2464.403552	2596.469197	1983.403519	1860.952144	1967.942031	1867.67202
Imc1	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258	821.52370258
Ubr4	7218.435584	7061.431282	605.021296	6462.092331	4640.857892	5908.00063	6751.95439	6506.806637	6637.797389	5814.05979	6234.804422	6358.881019	6405.117797	6587.823004	6665.415173
Ifh02	331.4821263	312.9434934	328.972477	357.9829092	326.815434	434.292892	42.3208628	241.365318	225.742388	242.070854	292.2740459	358.2891079	415.817458	397.5640467	368.6241897
Adh1a1	247.23805	240.8476506	321.0961307	307.0889534	260.456566	251.1052864	246.2636671	491.944547	340.843975	362.2684776	288.8868594	302.4999319	255.7059664	283.834404	0
Aphe101	2.7470808	0	2.349483883	0	1.5057511	0	2.51422039	0	7.86511772	3.783482795	0	0	0	0	0
Rc12	15701.40573	15362.715951	15103.35556	15206.94126	15011.34258	154545.51261	15125.82114	16133.76283	15531.3332	15410.38732	15462.95747	15128.82265	15210.93004	146884.5702	14821.85412
Pad4	2.7470808	5.54583046	0	0	3.800179466	1.402825611	3.608258859	0	0	0	0	0	0	0	0
Pad3	12.8197507	10.10166812	14.8800646	11.21392246	6.96995867	17.53532014	2.433628258	0	0	0	0	0	0	0	0
Gm13032	1.831329963	0	4.698987767	6.900875757	0.633632404	1.402825611	0.90206415	0	0	0	0	0	0	0	0
Pad1	6.409875371	0.915968642	6.900875757	1.268726489	0.701412006	5.412388208	0	0	0	0	0	0	0	0	0
Pad2	1602.64898	381.889393	1433.185169	1374.409853	1330.062813	1258.334573	1464.953097	999.8222976	1169.255146	1172.776442	0	0	0	0	0
Gm13031	3.662785926	1.584524017	2.349483883	3.45043769	4.43354271	4.90988964	1.80412943	0.83087403	0	0	0	0	0	0	0
Sdhb	3119.77793	308.486148	3246.203566	3206.319213	314.015145	3285.417582	3409.88001	3281.059761	3359.529057	3237.806795	3059.771631	3053.870186	3156.116398	3166.718916	0
Ap13a2	802.1501179	697.1059675	700.1495173	734.943225	616.2624367	698.6071545	726.102954	722.419793	689.211363	726.3164189	727.3745674	734.0693366	696.6406374	730.7812884	0
Croc	268.4014384	291.390215	291.390215	276.903737	285.648423	295.2947912	240.205265	260.332981	260.332981	260.332981	260.332981	260.332981	260.332981	260.332981	260.332981
Necap2	1327.116548	1186.10272	1139.496983	1089.475697	1081.151058	1096.315646	1096.103963	1051.782898	1073.694953	1039.943343	1022.718986	1106.135327	1053.145574	1037.544234	1116.615054
Spat21	0.915968642	0	0	0.431047098	0	0.701412806	1.80412943	1.761618026	0	0	0.945870699	0	0	0	0
Strz1	3169.225523	3247.481973	3109.9335	2998.430343	2958.439714	3075.695153	3254.449491	3276.331017	3365.54837	3255.284834	3328.117195	3033.745788	3199.576603	3118.187703	3032.347136
Fb02	13.5158652	130.043266	1356.784846	1251.645268	1185.559593	1027.82851	1262.131863	1262.131863	1275.341938	1219.967149	1120.768624	1254.288112	1167.987116	1227.770087	0
En1	18.13392983	20.5890228	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048
Epha2	31.13368037	22.9758625	28.1938066	19.84001665	14.56783462	9.11836674	9.922711863	36.67318256	13.5709772	12.23462756	14.18806048	9.542809169	4.260421576	1.8391864	4.31139402
Zdb17	175.2890903	700.677485	705.628363	666.7070814	685.932396	803.8190753	780.2859783	704.820245	698.983743	747.237852	734.313622	732.792511	737.300957	734.736332	0
Spen	2726.94112	2554.257125	2418.402719	2192.071018	2417.776011	2658.340714	2607.244525	2568.741814	2607.244525	2568.741814	2607.244525	2568.741814	2607.244525	2568.741814	2568.741814
IE3300-4510IRK	15.5668401	7.92262039	19.84001665	19.84001665	19.84001665	19.84001665	19.84001665	19.84001665	19.84001665	19.84001665	19.84001665	19.84001665	19.84001665	19.84001665	19.84001665
Fblm1	0	0	0.783161294	0	0.633632404	0.701412806	0	1.67618026	0	0	0	0	0	0	0
Plekhn2	396.965705	404.458863	486.3431639	407.1516461	407.5888905	498.7858292	465.4653928	421.6801167	452.2068897	478.024377	474.8270908	457.518061	485.880596	446.3559979	417.8465534
Dn12	150.996367	539.5304278	10.6858907	185.1239677	526.32486	571.651367	596.202835	540.37664	577.854041	589.88329	639.4085924	602.920339	587.777559	581.3007991	581.3196286
Ena1c16	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477	328.707477
Cap9	162.778722	162.778722	166.755401	166.755401	166.755401	166.755401	166.755401	166.755401	166.755401	166.755401	166.755401	166.755401	166.755401	166.755401	166.755401
Ehfd2	2367.991101	2467.103984	257.38382	2676.677029	2538.519883	2748.836786	2674.621879	2649.151955	2710.948084	2566.650083	2599.25268	2767.414659	2591.61332	2821.80177	2511.380724
Tmen51	5.94917889	23.7680256	5.48212961	0.8626094	0.633632404	4.208476834	2.70619414	8.38074031	6.912921658	2.837612096	4.337640531	6.8166427	0	0	0
Kpn	1.831329963	2.7368026	0	0	0.633632404	0	0.630258859	0	0.873091369	3.783482795	0	0	0	0	0
Pdm2	1431.33601	1459.34465	1409.69031	1381.90029	1286.09312	1376.81372	1405.623297	1503.50477	1442.377873	1358.917438	1429.863154	1517.56216	1160.16417	1371.849442	0
Padm	5.94917889	0	1.566322589	2.7368026	0.633632404	0.701412806	0	0.83074031	0	0	0	0	0	0	0
Phrae2	224.354368	252.7315807	212.2367108	277.7602331	257.7788044	272.7495814	261.5987673	273.211283	276.8883971	267.4140025	242.1428989	279.3445002	270.1107279	278.3216606	308.982339
Dhms3	1.831329963	0	0.783161294	0	0.633632404	0.701412806	0	0.83074031	0	0	0	0	0	0	0
Vp1s13	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749	909.286749
Tnfr1b1	271.777792	2837.885214	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048	2884.353048
Tnfr8	136.4387758	130.923512	85.7622383	26.60125626	35.72273548	45.1032574	192.757023	188.1035306	254.305473	198.587174	30.3634873	48.8646733	28.0101942	32.7126671	0
Smarc4s1	10.0726613	4.75357051	5.48212961	17.25218839	8.23722176	10.4282611	5.412388208	12.571102	11.2862114	6.991215751	9.458709808	6.875280163	9.65490296	6.32486551	2.87426688
Gm13212	86.0754967	87.1531089	65.78554874	83.6713171	70.9366836	56.8144376	10.1291833	91.3500642	99.3186618	62.04703979	81.34489009	94.5605638	68.0182953	65.9594895	71.13800152
Gm13242	0.792262039	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gm13238	1.831329963	1.584524017	0	1.75218839	3.16681221	0	0.83074031	0	0.83074031	0	0	0	0	0	0
Gm13251	67.7613596	36.44405239	38.3749043	48.3061275	45.60215359	35.77205309	52.31975346	40.2725526	52.6688888	44.56900041	38.7806985	39.90629289	29.82295103	41.56351397	43.11394032
Gm13034	2.7470808	1.584524017	2.349483883	1.75218839	1.90008973	2.80655123	2.57420938	3.352296052	2.25742348	2.621705928	1.891741398</				

Mmp23	2.740708945	0.792262009	2.344043883	0	1.900089733	0	2.760194144	4.190370065	0.752414123	2.621705907	0.945870699	1.735652313	0.852083415	1.807109033	2.155697016
Mib2	50.54786713	456.3429169	422.4861314	379.5481446	375.5844089	404.7151889	417.6596929	370.4287138	38.78365352	374.9039447	320.6501669	404.2680975	400.4796281	370.4574071	424.6723121
B93001F41R	19.22562611	4.366607248	15.486401979	14.58667248	15.54136396	15.486401979	14.58667248	15.486401979	15.54136396	14.58667248	15.486401979	14.58667248	15.486401979	14.58667248	15.486401979
	15.486401979	14.58667248	15.486401979	14.58667248	15.486401979	14.58667248	15.486401979	14.58667248	15.486401979	14.58667248	15.486401979	14.58667248	15.486401979	14.58667248	15.486401979
Ssu12	4.578482408	6.338096068	7.831612945	4.313047098	11.40058384	7.014218057	3.608258895	4.190370065	6.019312984	4.369508945	7.56696559	12.14539349	5.964590206	7.228437122	12.9348121
Atmad3a	2544.720522	456.046632	256.192739	261.042674	2337.110371	2540.517852	250.142554	2773.186099	2580.78044	2682.005143	2820.586424	261.177238	21.56.204983	2455.861543	2527.195468
Atmad3aas	4.78462408	5.54583406	3.915806472	2.58782599	1.900089733	7.014129057	8.118582433	9.218814144	8.276553438	7.865117712	1.891473138	3.470112425	0	4.517773258	0.509997044
Vsw1	0.92064626	0.0004626	2.094041287	0.160258895	0.1160258895	0.1160258895	0.1160258895	0.1160258895	0.1160258895	0.1160258895	0.1160258895	0.1160258895	0.1160258895	0.1160258895	0.1160258895
Mrip20	13.67470328	1432.409711	1309.122471	13.03470985	12.7049422	11.83383403	159.153158	1429.754266	161.6170151	107.7302544	1553.119687	1305.6298	1186.103167	1225.201008	1284.076856
Ccn12	86.7442967	948.438076	115.2709076	70.9841815	862.640737	891.456671	857.856348	890.3406134	781.005892	87.3997568	84.7930394	901.3617024	1002.10515	893.615504	921.919571
Aukarp1	1553.021323	1664.5428	1622.710202	1445.61421	1629.010264	1568.959034	1667.17526	1565.522269	1444.882701	1552.499789	1472.195196	1422.980808	1634.53036	1475.93389	1475.93389
Arns8	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454	4.75305454
Dsl1	391.818041	442.744628	392.363805	356.257003	171.943546	413.833554	389.6919568	0.10370065	360.405347	478.024377	438.888042	423.3537159	483.983891	455.395144	481.4390002
Tas12	11.90405426	7.92226085	9.37935525	20.7262607	6.33632443	9.81977928	13.0583322	9.02896941	12.23462756	10.40457799	5.205168638	11.51205891	10.84265582	13.65277477	10.84265582
Ctp1	283.8659093	270.953609	247.478961	294.1498121	227.3774407	220.243621	258.8925713	336.957532	306.94962	277.900821	290.3823045	272.731325	282.919929	262.934036	265.862996
Cpf3f	18.9811006	1672.4651	1687.71259	167.361216	159.614833	1565.558124	1552.45374	1575.578149	1759.8633	1565.25812	1663.786559	161.359918	156.197764	1516.164705	1542.01932
Pus11	397.8920017	398.752982	398.323332	398.323332	398.323332	398.323332	398.323332	398.323332	398.323332	398.323332	398.323332	398.323332	398.323332	398.323332	398.323332
Acap2	687.680577	170.6590216	175.1843266	762.546727	672.6317654	271.052364	70.5951308	60.0609933	55.5192519	737.5732618	751.9672055	726.121005	753.242534	833.077388	834.9731008
Ube3	138.2701687	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497	146.1521497
Fam132a	339.723947	281.253013	288.986517	262.233268	203.309614	253.911487	282.346527	199.461615	154.244951	187.2823984	191.5314644	228.3589565	187.939765	219.1625299	219.1625299
B2gms	246.961395	263.822248	173.232918	251.019311	253.345977	271.467558	285.052449	266.336971	263.609851	15.6555193	246.377892	266.702306	266.702306	266.702306	266.702306
Sd1a	4983.292941	451.6875	406.8293	420.720129	412.441547	4369.10387	4246.01862	3785.580317	3871.78018	3922.94538	3698.354432	4056.561425	4148.798531	428.224103	4124.566957
Tnfr4	190.124861	1489.452576	1403.42504	1136.91218	968.4124005	1252.021858	1199.746071	993.117705	783.2631016	1043.438951	810.8734829	818.0790042	867.019721	756.2752434	1039.745247
Km10560	11.90405426	2.37678026	6.265203066	8.626094197	13.93399137	7.014218057	8.118582433	0.83007403	2.25724238	1.74780398	7.56696559	6.96592026	1.64218606	2.87426268	2.87426268
Tnfr18	124.299653	381.199265	328.675372	370.995578	2661.39252	3230.707383	307.1406471	219.10612	2086.44482	2425.95164	2381.70242	2461.177238	2461.177238	2461.177238	2461.177238
Tnfr10	0	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343	3.96130343
943001510R	24.4490606	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331	289.1756331
Rnf223	6.409875371	4.753572051	0.783162194	0	13.93399137	11.9240177	4.51032754	2.51422039	2.25724238	0.873019689	2.837612096	14.7919814	11.9298104	12.71066395	10.77488508
Agm1	338.387758	141.916855	81.4877487	107.826175	96.27212131	101.704856	121.737365	448.436677	46.6496756	65.54264767	79.4531387	78.0775297	89.4688539	72.8423713	103.4734568
Ign1	12.4350551	123.89043	957.02014	863.940838	1149.554288	1510.84318	1553.35449	325.9384249	378.9581426	378.9581426	378.9581426	378.9581426	378.9581426	378.9581426	378.9581426
AW11738	42.26746075	52.2892526	26.9709679	40.5425472	47.5024322	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713
	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713	64.5269713
Pekn11	1.56969416	14.26071615	7.75634051	7.75634051	7.75634051	7.75634051	7.75634051	7.75634051	7.75634051	7.75634051	7.75634051	7.75634051	7.75634051	7.75634051	7.75634051
Kh17	10.9885738	11.8839031	6.265203066	21.5625349	6.33632443	81.8869474	18.0412943	10.8496217	8.276553438	21.84754922	6.9468509	17.8937706	11.8937706	25.2995304	26.8669298
Ch17	17.4123255	107.746332	90.84671016	867.968108	67.7998874	17.9042633	126.899134	120.301717	62.4503712	138.363441	81.3448809	93.6935048	125.256943	84.9413725	14.7190575
Tnfr23	249.761702	1570.947301	1759.763429	160.733491	13.9007487	1521.76314	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812
	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812	1560.79812
Fam133b	19.0203207	916.647138	884.972268	904.8772312	81.6719484	790.492322	825.389214	92.2796315	881.0769375	1009.356774	1014.91926	884.011403	704.461299	803.260052	880.196152
1700109H08R	6.409875371	1.67550218	21.92851625	19.84001665	6.950048664	16.8339074	102.877623	23.4660723	12.97364725	20.8915537	21.7977728	21.4960734	17.66875883	25.2995304	18.14970575
Rbm48	19.8747435	164.7904789	183.2597429	165.6210086	187.4756203	145.893856	155.1951309	160.071365	163.2738646	144.1938249	156.1505911	144.0022493	136.4367524	146.5873971	146.5873971
Atad1	268.292299	228.222956	268.222956	268.222956	268.222956	268.222956	268.222956	268.222956	268.222956	268.222956	268.222956	268.222956	268.222956	268.222956	268.222956
Gat1d	1128.130508	1062.16237	1071.364551	1101.552229	1065.90304	1140.497222	1079.71464	1158.03654	1164.77062	1197.245697	1099.29671	1060.84972	1026.43809	993.057587	993.057587
Tbm1m	0	0	1.56632294	0	0.63363244	0.701412806	0.902604715	8.38071403	0	0.873901969	1.735652313	0	0	1.70416863	1.43713344
Ank1b1	170.052689	1749.314515	1652.470331	1646.721382	1411.133308	154.350248	183.123574	1271.404023	1739.581451	1670.026663	1618.384766	1632.687896	1557.610128	1484.540293	1576.530804
Krt1	534.7667452	459.429343	577.9730453	550.344897	521.794103	528.1638427	532.218187	532.1769683	531.2043705	545.3148006	61.6536663	585.581477	599.0571376	552.0718921	577.0082346
rd1	0	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034	3.189049034
Mtf11a	65.9301462	38.0285764	57.603451	41.85569882	72.8367309	7.014218057	47.80942898	82.13125328	70.72692752	88.1330003	53.91462983	61.59449555	68.1667452	84.0305826	66.8266497
Akap9	334.158131	281.456104	118.7062	140.933054	989.967580	906.926758	1044.59094	1307.39546	127.179867	1029.456519	1099.101752	112.961901	1071.922068	1028.245193	1163.387329
Cyp1	7773.34732	7854.455502	8149.57643	7551.28286	7949.439297	8003.120113	8025.66977	7844.000937	7571.543316	7958.625231	782.956268	827.95319	833.786636	789.818359	7982.54605
Mtf1b	24.723805	30.8921633	23.2455495	23.2455495	23.2455495	23.2455495	23.2455495	23.2455495	23.2455495	23.2455495	23.2455495	23.2455495	23.2455495	23.2455495	23.2455495
Ch14	0	1.56632294	0	0	0.63363244	0.701412806	0.902604715	8.38071403	0	0.873901969	1.735652313	0	0	1.70416863	1.43713344
Cld12	51.27900297	3													

Corin	0	0.792262009	0	0	1.402825611	0	0	2.257242368	0	0	0	0.903554652	1.437131344	
Nfx1	207.8631031	205.1958602	220.851489	227.728868	213.434313	207.611895	211.083143	222.0988135	209.1711261	240.3230414	235.1001168	206.2040443	229.5202815	243.5937628
Cng1	10.98835778	11.09106611	7.93151245	5.17655552	10.1381191	9.81977628	3.352296859	3.76270013	12.29631908	12.29631908	5.96495925	10.84265552	10.84265552	7.904272392
Hp1	42.12203815	47.53575515	48.0902045	47.50234232	47.0020045	47.50234232	46.0194144	41.0087394	26.3544084	22.71705907	45.53858887	32.46668804	40.66998887	0
Tec	372.688468	398.5077307	399.4122602	410.6020838	414.852925	432.0702883	436.599322	250.5841292	250.583928	210.6103745	230.7924505	393.8577603	417.5231344	414.6123927
Tsk	184.054928	199.650261	163.880145	184.581958	153.907284	121.873691	135.3097072	82.96932729	164.7786928	134.5890032	160.7980188	157.0225872	127.8126473	137.2460433
Slain2	173.376115	1484.690989	1483.488589	1426.75589	1328.29635	1437.896252	1434.262897	1462.106383	1462.199619	1402.61266	1565.416286	1521.644298	1446.417308	1484.528395
Fryl	205.2225	2227.4268	2102.788075	2102.788075	2102.788075	2102.788075	2102.788075	2102.788075	2102.788075	2102.788075	2102.788075	2102.788075	2102.788075	2102.788075
2726.028426	2651.709042	2737.931886	2583.51212	2605.63582	2576.90634	2669.959749	2494.106383	2423.525889	2579.75812	2900.816246	2589.571397	2706.219785	2576.937866	2627.794622
Dc1	16.48253667	15.84524017	18.79580717	15.5269955	8.88706542	9.81977628	12.6289601	12.571102	22.57242368	11.35044839	13.8804497	15.33751767	24.39597559	14.3137344
Occutd4	87.90662327	71.84176783	93.13619404	95.9645528	94.27013366	74.3495741	80.28375962	76.42666117	86.5662506	72.53386342	87.96597439	68.5347204	86.0651583	73.1872678
ms6	54.8384045	5.54593725	5.54593725	5.54593725	5.54593725	5.54593725	5.54593725	5.54593725	5.54593725	5.54593725	5.54593725	5.54593725	5.54593725	5.54593725
Sgcb	249.069443	268.5768209	268.624324	279.5375571	250.818447	230.1817657	286.610741	228.794056	187.351165	249.062011	250.7924505	256.7883196	261.589848	237.634874
228.92412	226.73633	226.7116754	232.7671527	232.443106	216.776357	210.425214	20.4823817	27.9640616	50.2844408	44.3924323	51.5602167	35.5686236	40.0479628	40.9582433
Dancr	15.56680419	18.2220262	24.2780033	14.6643613	35.4683418	34.3692748	26.15987673	26.5752657	25.5820017	27.0396104	19.8632467	39.0387678	24.5979325	45.9882031
Ras11b	262.904992	244.809896	260.797111	242.383249	219.143825	279.837095	226.416245	159.234625	158.759379	157.789178	250.6557352	172.638081	213.567028	318.954792
Fip1	2865.214291	2698.44401	2838.176531	2631.821339	257.859797	2734.80829	285.782311	2694.407952	2820.484131	2642.679554	252.7446042	2827.274098	2502.571634	2687.435613
Lx1	16.8413056	61.13452273	68.8176549	57.7948312	70.93668336	64.52997613	87.5007231	71.2362911	64.7076154	63.7333682	88.9890241	92.67719035	90.3545616	88.38357765
Khr	592.596256	589.9500784	687.615166	743.5893197	695.423842	779.266671	766.755205	667.8881002	733.1663687	707.3449468	671.5681961	674.9368667	753.2425346	785.903515
Sd2	303.006545	307.397693	293.835493	317.4802564	279.94555	305.114575	286.607084	316.791769	374.449907	504.034695	504.037085	293.571028	318.954792	318.954792
246.1546995	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436	247.7503436
Srd5a3	335.1449123	367.6095719	455.7998734	433.029827	377.4844936	382.971391	351.343976	439.4768634	500.5029296	319.8481206	373.618926	366.0968608	270.968212	353.2898688
Trim65	1218.70271	1139.272768	1332.04523	1129.15753	1189.456173	1246.410556	1200.481335	1252.92065	1159.074103	1382.521915	1096.26414	1303.261483	1260.458739	1164.076389
Clock	301.2641424	343.049449	343.4098727	361.3705542	270.4461053	299.5032508	302.191675	298.5337516	248.296665	240.3230414	328.2171325	293.244999	302.4999319	302.6908083
Uoc1	640.317629	640.317629	651.072267	59.4378891	62.5969494	57.792797	57.792797	57.792797	57.792797	57.792797	57.792797	57.792797	57.792797	57.792797
Cep135	313.81967	359.886519	383.7498433	341.5933302	297.047616	305.114575	302.329737	360.731256	392.007759	396.3198228	354.2065862	414.1127327	356.9040874	367.1870584
CS300801M7Rk	5.49417889	0.792262009	4.698967767	2.58782529	2.533525977	4.208476834	7.216571778	0.83807403	7.524141226	11.3607256	0	9.542809169	0.82083415	9.93910167
Asdh	125.450418	148.1259956	115.1247103	133.864444	152.6405419	117.135938	129.8391895	133.105662	93.5728059	156.4284524	109.7210011	135.334384	189.887344	143.6651896
Ppat	33.871705	31.7217931	10.918335	293.810039	2791.88581	2783.907426	3353.134126	3368.58582	3368.58582	3410.80974	2694.542298	2698.819373	2668.100173	2671.627188
461cs	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364	4661.606364
Sp72	3942.073383	3778.27915	4099.066215	3200.559812	3515.166006	3603.858996	3948.37528	4253.626062	4292.319783	4286.48917	4189.261325	3749.456475	3727.241806	3592.959686
Hpxk	930.3476253	832.160268	725.99052	769.4476023	777.1367007	737.677948	707.2187364	488.5971496	434.8953629	304.0833196	621.4370491	701.830238	728.320095	788.958073
Rest	82.29545408	908.723458	900.6354887	816.028045	771.7367007	816.4445507	696.439004	683.94413	635.362147	621.705507	5.675224193	0	3.408337261	0
Noa1	1332.338381	1306.440052	1292.99927	1371.548977	1301.561467	1342.50411	1265.59675	1538.514562	1639.01533	1522.33723	1471.774807	1322.112834	1218.480571	1226.132662
Polr2b	2736.101087	2739.515842	2803.717434	2786.228425	2833.033792	2744.10556	2766.63248	2766.63248	2766.63248	2766.63248	2766.63248	2766.63248	2766.63248	2766.63248
Igfbp7	47.61621704	45.95119649	71.267678	47.4351088	36.10710492	49.4386777	44.20117102	52.5249704	139.940208	113.607256	45.5217988	57.94173343	42.4670682	40.9582433
Cemp1	603.703859	603.703859	603.703859	603.703859	603.703859	603.703859	603.703859	603.703859	603.703859	603.703859	603.703859	603.703859	603.703859	603.703859
Hap1	64.83131089	652.823869	680.181391	641.781402	377.8681796	682.47466	71.8517718	607.052746	687.705058	682.72125362	682.72125362	682.72125362	682.72125362	682.72125362
Uba6	82.2954404	738.3881919	800.390843	760.8215081	731.545471	646.001141	800.131402	419.636384	832.1700196	687.7608495	866.4175601	662.561586	742.165438	660.498403
Ythd1	1599.72153	161.460925	157.371041	1500.07781	1529.572325	1527.677091	1614.130545	1529.982749	1632.48878	1638.24809	1659.581267	1660.71233	1656.76376	1483.83113
Csn2	27.14098445	0.792262009	3.13264518	5.8269695	1.90080733	3.805651223	1.80412943	3.35229652	4.51444705	6.99121571	1.62404891	3.470112425	6.816674521	0
Cnan	4.75784078	0.792262009	5.462132683	5.0650205	5.0650205	5.0650205	5.0650205	5.0650205	5.0650205	5.0650205	5.0650205	5.0650205	5.0650205	5.0650205
Jchain	14.6513147	1.58452407	4.698967767	0.82696962	1.265726489	0	2.70631944	0	7.524141226	11.3607256	0	9.542809169	0.82083415	9.93910167
Up3	273.136834	1863.40024	1971.17849	1919.30559	1931.390361	1992.44004	1996.964207	1906.61838	1906.874629	1947.053587	1815.125871	1850.437451	1836.244591	1719.464502
Rut3	331.4821263	324.035161	319.528063	300.188078	276.779377	296.48119	296.584806	342.7727213	371.7968285	240.70803	309.707539	337.425388	252.995304	292.933195
Gsk1	14.01172582	1562.69955	17.2677102	1238.707127	1240.758586	1239.364748	1351.032197	1258.78827	1585.30478	1328.943632	1229.287327	1307.097339	1212.570342	1300.63886
Hob1b	384.612859	354.141174	355.494537	354.141174	354.141174	354.141174	354.141174	354.141174	354.141174	354.141174	354.141174	354.141174	354.141174	354.141174
Dnf1	1246.29211	1522.773156	1566.322589	1457.809919	1240.633757	1292.36742	1394.592049	1495.124309	1555.992405	1553.79701	1555.992405	1595.38417	1619.812283	1721.230605
Slc4a4	6.40987531	4.37392051	2.34483883	9.48870316	4.4335421	5.370706429	0.902047615	14.2472882	8.72655438	8.739019689	13.50523161	1.75052613	0.82083415	0.903554652
Adamt3	131.83139263	6.38509588	3.13264518	8.62694197	1.265726489	0.70412806	6.3435003	10.8946621	8.739019689	9.94587699	3.470112425	0.82083415	0.903554652	8.62278804
Cox1b	27.065474	27.065474	27.065474	27.065474	27.065474	27.065474	27.065474	27.065474	27.065474	27.065474	27.065474	27.065474	27.065474	27.065474
Ankrd17	4891.650045	4304.329152	4346.545184	4193.144389	3730.509509	3840.23511	4757.974828	4451.011083	4376.040537	3691.397625	4322.629093	4204.041203	4512.63853	3946.726718
Gm9598	2.67070948	11.0916821	3.915806472	0	0	18.36753408	7.715540863	7.216571778	22.6279983	0	9.612921658	7.56695595	0.82083415	6.47091048
Atp	32.880768	34.0728641	53.25496083	47.4351088	43.8335554	39.69084745	39.69084745	78.77952318	78.25108038	43.0260765	43.0260765	43.0260765	43.0260765	43.0260765
Mhrh12	42.12203815	32.48274235	36.35241965	30.1312969	45.60251559	34.3692748	51.47168874	52.7986622	43.6400911	45.0562404	47.5048571	48.72929513	48.72929513	48.72929513
Reg	21.9767155													

[illegible]

Orail	1382.70187	1164.62513	1230.346394	1234.39408	1235.69169	1303.224993	1277.323636	1038.373702	1028.550106	993.6265386	912.7652243	117.3376201	1180.98861	1152.935735	1225.873036
Mem3	6.40987573	6.33909668	6.31580472	0.8626042	2.53453927	1.74028561	0.920647148	4.193070065	2.257242388	4.369509845	3.784382795	6.072696744	0.852083415	5.421327909	10.77489508
Mem120b	178.0433506	120.234502	198.9229668	178.0433506	120.234502	198.9229668	178.0433506	120.234502	198.9229668	178.0433506	120.234502	198.9229668	178.0433506	120.234502	198.9229668
Shol	1235.920735	1189.220735	1235.920735	1189.220735	1235.920735	1189.220735	1235.920735	1189.220735	1235.920735	1189.220735	1235.920735	1189.220735	1235.920735	1189.220735	1235.920735
Setd1b	1205.972266	1393.588873	1371.277297	1341.357648	1151.454378	1086.488436	1326.03513	1279.739018	1163.232234	1164.911325	1288.275892	1241.42372	1240.634763	1208.856978	1308.783624
Patm	691.9136295	713.050287	734.605242	594.3378901	640.963032	715.453002	784.362046	732.4766874	695.2306439	685.1391436	768.189291	697.619229	629.690389	856.90677	675.4517316
Bd7a	214.415837	259.069678	273.323298	277.228868	265.811269	238.6483539	274.276733	203.761487	209.342204	200.974528	197.689976	248.905656	239.458626	276.4877234	221.318227
H1sp	1014.055371	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347	1215.466347
IL31	1833.994933	1.58452047	4.013566427	1.752518839	0.63336234	2.298551223	0.902064715	1.67418026	0	7.86511772	1.89171348	0	1.807109303	1.437131344	0
B3gm2a	4.218246334	4.753572051	4.69899767	6.03826598	6.800179466	4.90989864	7.216517718	14.24725822	9.781383594	6.115437778	12.145393494	0	0	0	8.62278064
Diablo	587.010346	684.514753	646.891292	656.5831589	648.33021398	650.513221	663.0175654	781.6386134	841.198989	744.564754	891.001982	652.3811359	584.5298402	671.3411061	585.6310227
Chp1	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676	687.6305676
C1p2	2135.40415	1119.300873	2084.776366	1865.024528	1974.820566	2100.02094	2109.72286	2255.742947	2166.200529	2051.047921	2211.445694	2071.657118	1946.054346	2161.302272	2078.727487
Zsc38a	173.544722	1475.18186	1384.869039	1252.508877	1257.859403	1382.200368	1400.421676	1454.416499	1428.829719	1376.241867	1369.82688	1348.849471	1474.9394	1425.634293	1475.634293
Rsrc2	1276.48095	1280.29546	1332.940523	1256.82104	1252.159134	1230.979474	1381.215655	1164.04340	1203.110182	1189.38058	1239.090615	1299.557103	1295.168159	1326.418229	1217.968814
Kntc1	1399.184224	1445.878166	1465.74524	1445.73387	1300.928104	1242.207029	1339.561101	1692.071482	1476.236509	1525.82038	1504.065558	1403.604676	1457.064179	1321.900455	1544.37692
Dewr	1266.03469	1083.1207	1171.841808	649.340106	765.241371	904.770999	362.047978	562.053496	697.373712	697.373712	697.373712	697.373712	697.373712	697.373712	697.373712
Ccd2c6	12.81975074	29.31369431	38.67595366	18.9774023	12.03390164	32.2649806	16.23716487	25.1422309	44.3924323	10.4868236	12.29631908	11.2778538	16.1896019	9.03545616	23.71266717
Hcd1r	1661.989114	1697.02252	1587.467944	1468.161232	1250.892407	137.276698	137.0104484	916.014893	1112.680803	1483.011641	1455.290428	1408.865645	1503.928816	1428.098576	1369.58671
Ysp57b	3443.943047	3255.404593	3074.691242	2902.806097	1910.223545	2057.945172	2038.666255	1260.453162	1670.393952	1014.719214	2232.254849	1961.481048	1844.762542	1902.869696	2093.903068
Abob9	1399.184224	1266.03469	1894.102268	1735.55152	1766.26186	1754.128592	1899.921788	204.713828	1975.01845	1924.846672	1766.297224	1766.297224	1595.566564	1688.551019	1688.551019
Ccd2c6	12.81975074	29.31369431	38.67595366	18.9774023	12.03390164	32.2649806	16.23716487	25.1422309	44.3924323	10.4868236	12.29631908	11.2778538	16.1896019	9.03545616	23.71266717
Hcd1r	1661.989114	1697.02252	1587.467944	1468.161232	1250.892407	137.276698	137.0104484	916.014893	1112.680803	1483.011641	1455.290428	1408.865645	1503.928816	1428.098576	1369.58671
Ysp57b	3443.943047	3255.404593	3074.691242	2902.806097	1910.223545	2057.945172	2038.666255	1260.453162	1670.393952	1014.719214	2232.254849	1961.481048	1844.762542	1902.869696	2093.903068
Abob9	1399.184224	1266.03469	1894.102268	1735.55152	1766.26186	1754.128592	1899.921788	204.713828	1975.01845	1924.846672	1766.297224	1766.297224	1595.566564	1688.551019	1688.551019
Ccd2c6	12.81975074	29.31369431	38.67595366	18.9774023	12.03390164	32.2649806	16.23716487	25.1422309	44.3924323	10.4868236	12.29631908	11.2778538	16.1896019	9.03545616	23.71266717
Hcd1r	1661.989114	1697.02252	1587.467944	1468.161232	1250.892407	137.276698	137.0104484	916.014893	1112.680803	1483.011641	1455.290428	1408.865645	1503.928816	1428.098576	1369.58671
Ysp57b	3443.943047	3255.404593	3074.691242	2902.806097	1910.223545	2057.945172	2038.666255	1260.453162	1670.393952	1014.719214	2232.254849	1961.481048	1844.762542	1902.869696	2093.903068
Abob9	1399.184224	1266.03469	1894.102268	1735.55152	1766.26186	1754.128592	1899.921788	204.713828	1975.01845	1924.846672	1766.297224	1766.297224	1595.566564	1688.551019	1688.551019
Ccd2c6	12.81975074	29.31369431	38.67595366	18.9774023	12.03390164	32.2649806	16.23716487	25.1422309	44.3924323	10.4868236	12.29631908	11.2778538	16.1896019	9.03545616	23.71266717
Hcd1r	1661.989114	1697.02252	1587.467944	1468.161232	1250.892407	137.276698	137.0104484	916.014893	1112.680803	1483.011641	1455.290428	1408.865645	1503.928816	1428.098576	1369.58671
Ysp57b	3443.943047	3255.404593	3074.691242	2902.806097	1910.223545	2057.945172	2038.666255	1260.453162	1670.393952	1014.719214	2232.254849	1961.481048	1844.762542	1902.869696	2093.903068
Abob9	1399.184224	1266.03469	1894.102268	1735.55152	1766.26186	1754.128592	1899.921788	204.713828	1975.01845	1924.846672	1766.297224	1766.297224	1595.566564	1688.551019	1688.551019
Ccd2c6	12.81975074	29.31369431	38.67595366	18.9774023	12.03390164	32.2649806	16.23716487	25.1422309	44.3924323	10.4868236	12.29631908	11.2778538	16.1896019	9.03545616	23.71266717
Hcd1r	1661.989114	1697.02252	1587.467944	1468.161232	1250.892407	137.276698	137.0104484	916.014893	1112.680803	1483.011641	1455.290428	1408.865645	1503.928816	1428.098576	1369.58671
Ysp57b	3443.943047	3255.404593	3074.691242	2902.806097	1910.223545	2057.945172	2038.666255	1260.453162	1670.393952	1014.719214	2232.254849	1961.481048	1844.762542	1902.869696	2093.903068
Abob9	1399.184224	1266.03469	1894.102268	1735.55152	1766.26186	1754.128592	1899.921788	204.713828	1975.01845	1924.846672	1766.297224	1766.297224	1595.566564	1688.551019	1688.551019
Ccd2c6	12.81975074	29.31369431	38.67595366	18.9774023	12.03390164	32.2649806	16.23716487	25.1422309	44.3924323	10.4868236	12.29631908	11.2778538	16.1896019	9.03545616	23.71266717
Hcd1r	1661.989114	1697.02252	1587.467944	1468.161232	1250.892407	137.276698	137.0104484	916.014893	1112.680803	1483.011641	1455.290428	1408.865645	1503.928816	1428.098576	1369.58671
Ysp57b	3443.943047	3255.404593	3074.691242	2902.806097	1910.223545	2057.945172	2038.666255	1260.453162	1670.393952	1014.719214	2232.254849	1961.481048	1844.762542	1902.869696	2093.903068
Abob9	1399.184224	1266.03469	1894.102268	1735.55152	1766.26186	1754.128592	1899.921788	204.713828	1975.01845	1924.846672	1766.297224	1766.297224	1595.566564	1688.551019	1688.551019
Ccd2c6	12.81975074	29.31369431	38.67595366	18.9774023	12.03390164	32.2649806	16.23716487	25.1422309	44.3924323	10.4868236	12.29631908	11.2778538	16.1896019	9.03545616	23.71266717
Hcd1r	1661.989114	1697.02252	1587.467944	1468.161232	1250.892407	137.276698	137.0104484	916.014893	1112.680803	1483.011641	1455.290428	1408.865645	1503.928816	1428.098576	1369.58671
Ysp57b	3443.943047	3255.404593	3074.691242	2902.806097	1910.223545	2057.945172	2038.666255	1260.453162	1670.393952	1014.719214	2232.254849	1961.481048	1844.762542	1902.869696	2093.903068
Abob9	1399.184224	1266.03469	1894.102268	1735.55152	1766.26186	1754.128592	1899.921788	204.713828	1975.01845	1924.846672	1766.297224	1766.297224	1595.566564	1688.551019	1688.551019
Ccd2c6	12.81975074	29.31369431	38.67595366	18.9774023	12.03390164	32.2649806	16.23716487	25.1422309	44.3924323	10.4868236	12.29631908	11.2778538	16.1896019	9.03545616	23.71266717
Hcd1r	1661.989114	1697.02252	1587.467944	1468.161232	1250.892407	137.276698	137.0104484	916.014893	1112.680803	1483.011641	1455.290428	1408.865645	1503.928816	1428.098576	1369.58671
Ysp57b	3443.943047	3255.404593	3074.691242	2902.806097	1910.223545	2057.945172	2038.666255	1260.453162	1670.393952	1014.719214	2232.254849	1961.481048	1844.762542	1902.869696	2093.903068
Abob9	1399.184224	1266.03469	1894.102268	1735.55152	1766.26186	1754.128592	1899.921788	204.713828	1975.01845	1924.846672	1766.297224	1766.297224	1595.566564	1688.551019	1688.551019
Ccd2c6	12.81975074	29.31369431	38.67595366	18.9774023	12.03390164	32.2649806	16.23716487	25.1422309	44.3924323	10.4868236	12.29631908	11.2778538	16.1896019	9.03545616	23.71266717
Hcd1r	1661.989114														

Zksca1	296.68566	258.2774148	325.0119372	261.3706542	231.8109474	228.6065747	262.500832	133.4396809	237.0104486	221.9711001	269.5731491	251.5831508	272.6669809	242.1526466	233.5338434
Zcp11	231.6710208	242.4321746	267.0580014	285.5237179	247.6450285	271.4467598	282.3462567	276.5644243	296.4511843	277.0269241	292.2740459	229.0274201	283.0690416	262.9340436	227.785318
Zcp113	115.3777597	118.8319313	125.3065780	145.9636588	134.9063781	108.7189849	148.6136363	117.3019317	89.2729988	88.51629492	92.7102011	79.81258578	110.770961	90.35546516	100.7548911
Cop6	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376	235.641376
Mcm7	7191.880166	765.024618	727.795587	7358.920959	7426.184039	6946.091015	7297.703515	7656.641433	7423.317183	7459.627207	7208.480595	7500.648007	7477.89195	7288.975374	7304.148339
Mc12	1.83132963	3.16904034	0.783161294	0	0.253452977	2.104238417	2.70194144	1.676148026	3.76270613	3.495607876	0	0.64202485	2.60421567	2.71066955	2.156697016
Cpny4	127.1123029	156.0756317	112.775264	122.4905376	133.0062813	105.913337	101.933128	146.662962	93.2903512	127.783564	127.6925443	120.5840648	167.860011	117.4621047	135.093463
Ta6	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399	927.5401399
Apn41	184.9706893	195.6502031	176.5071567	189.116451	179.2419181	230.7648131	200.2538667	252.2602779	206.1614696	207.986656	196.741053	176.97537	210.446258	191.7252481	247.615971
Lmb1a1	17.3962351	21.3910742	18.7598707	29.3287027	25.7898302	28.7597053	15.3351005	12.571102	33.10622139	36.70388269	18.9174389	18.2189093	25.5625294	26.7017569	19.4021731
Lamort4	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765	396.995765
BC037034	383.678624	441.769544	436.655559	381.742598	353.416960	0	0.701412806	1.80412943	0	0	0	2.60253419	2.55625294	0	0.9354652
633041820Rik	0	0.79262009	1.566322589	0	0	0.701412806	1.80412943	0	0	0	2.621705907	0	0	0	0
Ga1st4	0	0	0	0	0	0.701412806	1.80412943	0	0	0	2.621705907	0	0	0	0
Gpc2	4.578488208	9.507144102	5.482129061	4.31304708	0.63336244	9.81977928	0.636025859	7.542661127	0.752411213	0	0.945870699	0	0.46021576	0.170190303	0.718565672
Stag3	25.6551977	24.56012226	28.1939066	17.2518839	16.7171335	18.2367359	28.8600787	16.76146028	18.8105306	8.73901969	25.3385087	10.41033728	26.4146377	8.13191864	0.74127314
Tp157	110.0430939	118.0147093	105.7257747	83.6711371	70.9566538	81.3638656	87.5002773	89.51965279	82.1700121	100.4897264	91.70079514	91.1730212	96.057266	94.10723582	94.206868
Zp68	339.723947	324.927423	325.0119372	297.6002498	355.31678	333.872495	377.9651155	353.6672335	317.5189797	337.32616	332.946486	322.7040555	356.1712437	365.936339	354.971447
AA03033040Rik	79.665599	77.6416783	97.8951681	85.3983255	86.7704429	103.701624	103.701624	81.1794025	88.7846664	81.2728831	83.7055267	73.0248322	83.72927467	90.1327294	95.5932467
Fam20c	2.42126834	5.54583946	3.13245187	5.17566558	11.4005834	2.866552213	9.22711863	13.4091842	13.54345421	13.9824315	4.72953494	6.9402485	7.66875836	5.421327309	2.874262688
Pp1a	3.63255574	13.4695414	15.6325259	10.3531304	10.13301191	7.15540863	9.02064718	17.3055423	21.94754022	45.40719354	43.37840531	2.55625294	12.64976512	10.71846508	12.64976512
Pkr1a1	9.156964616	5.133059077	8.125080472	2.587823269	12.6672648	4.20847634	9.02064718	8.83074013	13.54345421	8.73901969	15.13393181	1.735056213	0.85204315	0.415773259	1.78565672
Dnaa5f	930.3476253	401.59065	935.094485	97.8164225	981.0082728	957.428478	1061.739019	82.21500668	839.6941608	791.755138	849.3918875	836.297045	836.297045	838.4987167	928.3868482
U1	1012.760399	1012.514087	1086.24475	1032.543475	905.794393	1081.818353	1221.780595	855.673567	887.848664	767.735767	787.735767	1022.501178	1028.087849	1011.10219	
Co14	1994.096292	1980.655021	1993.928656	2051.2852	1494.20674	2040.49852	1888.021448	2255.257169	2273.795478	2247.675864	2232.25469	2190.135319	2193.781372	2050.165504	1884.119041
Adap1	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147	1024.255147
Gex4	301.244142	382.662501	381.399054	332.967236	324.0161519	291.086314	348.196979	380.485019	364.110494	399.373104	383.07763	334.865849	294.821173	330.701025	334.130375
131008217Rik	52.4417134	496.487293	499.656509	478.427279	584.994745	521.1497146	533.102464	686.3826167	628.2659724	510.7701773	498.2858519	572.6006598	588.95641	510.1821671	510.1821671
Mir39	21.06101008	0	27.72100	28.978697	37.9548146	32.943602	23.84035	19.8454273	17.3055423	26.4843795	25.15831508	20.45022706	24.36957592	25.1868364	25.1868364
DN03046C22Rik	6.41191008	6.4282895	585.804643	619.335633	388.2516687	7.53130254	36.2514523	56.883819	441.76709	525.131093	596.844109	416.414091	47.07685	429.702718	429.702718
Cp1050501Rik	6.409875731	3.16904034	1.566322589	1.566322589	2.53452977	5.61302446	2.70619414	0.21881441	7.524141226	2.621705907	6.621094891	2.60253419	1.70416863	2.71066955	5.748525735
Zp1	1.83132963	0	0	0.35131304	0	0.701412806	1.80412943	0	0	0	3.783482795	0	0.85204315	0	2.156697016
Gfand2	342.4704841	323.2428995	321.879292	366.690034	333.154809	330.010331	333.154809	333.154809	393.5129881	337.2264147	337.678395	346.1437144	324.3761199	329.814634	329.814634
Hicaa2	3.18904363	0	0.18109681	0.18109681	0.18109681	0.18109681	0.18109681	0.18109681	0.18109681	0.18109681	0.18109681	0.18109681	0.18109681	0.18109681	0.18109681
Ints1	2834.996307	306.053973	250.528403	3130.409584	2959.07077	2959.260627	2967.633935	3302.849685	3027.106862	3201.102912	2939.185224	110.959835	2939.263282	3113.545057	3113.545057
Maik	953.2403373	805.8993971	869.3090369	847.0824501	885.8843736	885.8843736	885.8843736	910.984622	977.5889699	796.1246397	768.9928781	941.5531683	764.0726669	739.2965019	739.2965019
Pmp3	590.6242306	549.42343	578.756196	482.1986656	514.2099544	456.0369602	510.5686286	331.0697318	663.6295621	623.966058	562.7390658	498.4651774	552.1506362	497.247445	497.247445
Hnd11	3.63255574	13.4695414	15.6325259	10.3531304	10.13301191	7.15540863	9.02064718	17.3055423	21.94754022	45.40719354	43.37840531	2.55625294	12.64976512	10.71846508	12.64976512
F5	15.47527054	153.6988266	191.874517	144.0557731	121.810051	171.8461374	181.1064314	212.027325	268.1614696	266.9152761	234.579933	148.717692	152.5230924	127.518094	174.614583
Nutd1	437.073463	443.666746	462.0651637	471.5020991	471.386378	466.4395158	383.3775038	467.6452993	535.718853	492.8807105	525.9041085	425.963002	413.2608929	327.990338	390.1811599
Snd8	106.2207919	152.966766	108.854197	147.5062108	104.5049353	101.0312481	105.9573256	94.80417945	142.4460209	126.7466736	82.4151701	132.925132	113.8478861	86.9464631	
GrfRn	12194.3304	11882.3456	11935.3734	14208.92537	11937.18073	11855.27924	11748.49095	13460.30672	12671.40624	12762.17702	13079.50020	11465.14525	13120.23596	11001.06291	11001.06291
Chst12	424.951847	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247	474.9452247
Erin	4.578488208	9.507144102	10.57168123	13.3174201	10.35131304	12.8372176	10.42852511	5.41238869	9.21881441	2.57243268	1.621705907	6.07269674	1.66875836	1.807109303	6.64701948
Lfhg	324.167312	377.927073	374.004488	398.921712	385.147516	374.004488	374.004488	374.004488	374.004488	374.004488	374.004488	374.004488	374.004488	374.004488	374.004488
Thy3	1342.41102	1460.93144	1630.541815	1496.627343	1370.598061	1388.797355	1388.777596	1445.677673	1356.850249	1302.113934	1327.456384	1421.011038	1392.305771	1458.337208	1440.724712
Igc	26.27147656	307.387693	597.021293	256.1549876	254.5130806	260.9255637	273.018027	441.6650409	385.2300368	394.5897171	354.701512	70.6676892	286.2295103	321.665456	321.665456
Trat1	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749	431.782749
Am21	36.62912506	20.5988122	41.5076481	38.18172488	20.2673226	37.4761501	31.0078484	15.8683638	30.26786236	26.0258419	29.8708662	42.0476682	30.8982389	32.9983239	
Gna12	251.815324	244.899869	267.8411627	257.0576071	266.6459258	288.96702	288.660787	405.678223	297.1582584	310.235199	327.1510832	272.6669809	327.1510832	298.240739	298.240739
Card11	1203.120397	1251.77378	1278.11923	1444.00818	1458.37062	1458.123985	1570.49468	1078.60125	1167.502578	1067.034304	1106.687128	1469.592612	1489.43383	1549.599272	1526.95203
Skl1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Foxk1	2720.53427	257.447412	2567.564917	247.031594	2098.32428	2341.315945	2625.910385	2221.734209	2190.277511	1978.514058	2424.23814	2687.40242	3347.81326		

A430035B10Rik	7.325517853	0.792260099	4.69898767	5.17566558	6.969995687	4.90989864	3.60825859	2.51422039	1.504828245	0.873901969	2.837612096	3.470112425	11.92918041	0.903554652	2.874262688
Icc1	32.62758165	40.39137024	42.9027909	30.7394077	364.8172287	369.6445486	402.0270569	289.9730805	370.9401624	328.5871403	299.8411215	390.3876478	434.5830007	382.2036176	426.8280091
Gla1	66.36765628	32.48274235	16.46387148	17.25218689	16.4874438	17.25218689	12.6286001	34.3810354	37.07275392	34.3810354	44.1587388	16.18860149	52.1765388	16.18860149	52.1765388
Iduf4r3	14537.24416	1727.711687	1823.710005	1625.210005	1823.710005	1625.210005	1823.710005	1625.210005	1823.710005	1625.210005	1823.710005	1625.210005	1823.710005	1625.210005	1823.710005
Ph14	754.5339008	70.6590216	384.0667786	794.4832755	70.5666541	74.4375074	74.1373133	304.2818601	72.5844565	656.3003786	755.7506883	786.8479924	742.1654385	735.4944864	765.9910063
Gm6578	0	0	1.566322589	1.72521839	0	0	0	0	0	0	1.89174398	1.735056213	0.852083135	0	0
Tmem108	438.8715252	472.9804191	457.386196	464.9447172	479.4559759	483.6338446	483.5006681	439.1597828	452.5814746	472.9353494	485.8157358	517.2151793	512.3158478	474.2534435	474.2534435
Tmem168	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088	904.7632088
B630005N1ARik	230.7555134	228.7114584	201.2724527	201.2724527	183.0419776	176.0546142	177.3766031	177.3766031	177.3766031	177.3766031	177.3766031	177.3766031	177.3766031	177.3766031	177.3766031
1101001J05Rik	282.9502128	274.914917	311.6981952	300.188078	303.5133443	305.8189633	322.9391679	299.192427	347.6153246	347.6153246	347.6153246	347.6153246	347.6153246	347.6153246	347.6153246
2110101ARik	0.915696482	2.37678626	6.265290356	1.72521839	2.534529717	0.70141263	0.103423574	10.89486217	1.541448735	0.873901969	3.785482796	3.470112425	1.70416863	0.873901969	3.785482796
Adf1c	421.9517132	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068
Tes	445.517374	102.555450	4035.63105	3824.81017	3811.580004	4011.378639	3591.147146	3804.205804	3670.388269	3772.123247	3650.558717	3776.437658	3682.88876	3815.457981	3815.457981
Ca2v	12.8197504	7.130358077	14.8800646	7.76348777	14.8800646	14.8800646	12.8197504	12.8197504	12.8197504	12.8197504	12.8197504	12.8197504	12.8197504	12.8197504	12.8197504
Cap2	4042.668883	402.226724	4149.971699	3958.514627	3783.078658	3995.948754	4262.257177	3826.645944	4125.46634	4128.31291	4108.862315	3957.63221	4065.294268	4104.712924	3889.937342
S7a7	239.1247032	290.770131	258.443272	245.843684	248.730013	270.748131	274.591517	263.1552401	247.544263	270.3096104	245.9263817	245.3778622	276.9274024	228.5993258	255.0908135
Lsm8	802.1557078	798.6010046	789.4265846	785.024342	773.9698964	765.463199	765.284208	659.8639374	779.6966779	879.1453807	851.021765	887.4812527	897.4697056	794.2243787	794.2243787
Ing3	544.2581162	590.6322095	549.270997	497.7256351	523.1580398	481.1691847	524.0959935	550.614266	553.7767942	499.8791262	554.2802296	492.7596444	478.8713851	582.2545868	508.7444588
Fam3c	996.2771719	917.4394508	970.3368439	896.251187	864.5408284	802.952827	879.513099	1150.67562	881.1480158	109.8787347	1049.916476	863.1940457	864.0134956	875.5445474	919.0454944
Ndufa5	657.4700738	682.613885	660.9881325	675.4231756	718.238919	727.9569119	613.4040061	706.496393	749.044661	720.0952224	751.9672055	653.248664	584.5298402	761.6956713	645.2719734
Wisc1	229.839896	244.809806	246.7878215	203.514796	244.471223	240.59024	298.485453	289.738095	252.811452	258.474928	252.5474768	268.3003299	262.030849	280.2406121	280.2406121
Prot1a	380.927973	362.8625501	407.243871	440.7934134	327.448793	387.701068	388.7989821	434.122388	435.447777	418.590431	396.319822	396.4003446	405.592134	408.8889293	403.115342
TPc00	593.3713201	583.1048383	664.120777	634.8805329	532.0251252	539.3884476	598.0790766	586.1156529	670.4008232	577.6492014	670.6223524	558.6881004	594.754852	533.0972444	554.7326988
Gcc1	881.8454328	398.5077903	424.734216	371.7846599	357.850233	357.011911	371.650765	369.590356	380.721546	345.1912777	414.2913661	379.1097824	350.206535	378.589934	364.3127957
Srt1	258.1165324	201.155098	242.56263	2619.744807	2006.92131	2827.39502	607.261715	2258.609465	2358.56698	2195.241746	2248.280522	2636.417915	2594.59674	2492.90784	2515.698418
Scn3	0	0	3.961724849	1.42025611	0	0	0	0	0	0	0	0	0	0	0
And5	5205.734498	4791.66027	4940.963607	5057.470027	4914.898776	4743.456505	5026.304591	4943.798603	4640.259945	4466.512963	5173.21722	4671.638852	4820.240791	4644.270909	4803.432226
Rbm28	1770.95995	1893.5062	1901.515623	1793.346883	1789.822109	1739.575058	1685.95852	234.263679	2229.403035	2229.403035	2229.403035	2229.403035	2229.403035	2229.403035	2229.403035
Prrt2	2.74709485	6.33906968	9.315806472	5.17566558	3.166816221	1.93717928	1.43309344	0	0	0	0	0	0	0	0
Impdh1	2289.241204	2444.128296	2392.557755	2462.507488	2345.977485	2335.083181	550.245788	2086.804269	2086.804269	2086.804269	2086.804269	2086.804269	2086.804269	2086.804269	2086.804269
Hlplda	652.035369	645.035369	627.053564	626.396456	650.290678	650.290678	650.290678	650.290678	650.290678	650.290678	650.290678	650.290678	650.290678	650.290678	650.290678
Fam712	20.1453229	3.96130413	6.265290356	1.72521839	15.20071786	17.5140863	10.82477658	6.70492104	3.0996649	6.99121527	0.945870969	6.94022485	6.76875836	3.61421866	5.74852576
Cadu	20.5314181	2369.655667	2585.215433	2390.29072	2451.749119	2471.769941	2127.510893	2594.671744	2384.400354	2387.500179	2506.557352	2466.384206	2606.52592	2441.957988	2471.147346
Cdc13b	13.7854472	0.76226209	3.91894672	6.90087537	4.4354721	7.11540863	9.922711867	0	0	0	0	0	0	0	0
Atfip1b	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068	1232.754068
Irf5	320.4378785	250.3547947	187.1755494	260.5008447	254.5763279	184.4715679	228.223728	300.201161	240.727592	260.4227967	383.87925	247.2455103	190.866866	172.5789385	200.276508
Tnp3	2731.522605	2867.715895	2867.715895	2774.151894	2449.215666	2635.904234	2643.049614	3070.703184	2823.820162	2831.42379	2938.820261	2600.849263	2547.732102	2862.06428	2720.489634
Tspan33	0.915696482	0.792260099	3.13245178	0.86260492	0	0	0	0	0	0	0	0	0	0	0
Smo	71.4247653	78.2920085	86.1474238	69.004857	69.004857	69.004857	69.004857	69.004857	69.004857	69.004857	69.004857	69.004857	69.004857	69.004857	69.004857
Ahcy2	1698.61673	1517.974008	1544.34073	1531.13312	1180.954827	1345.30971	1398.20038	1567.76728	1851.09156	1694.49518	1683.64894	1285.72507	1252.326747	1149.96509	1149.96509
Strk2	1.831392503	0.792260099	1.566322589	3.45043769	7.600358931	2.80551223	0.90264715	6.704592104	0.873901969	3.783482795	0	0	0	0	0
Smip-ps	0.915696482	0	0	0.86260492	0	0	0	0	0	0	0	0	0	0	0
Nr1	1220.6231	1449.074714	1482.53423	1424.186152	1449.135103	1435.793102	1333.99157	1625.020511	1598.127596	1434.07331	1519.068342	1517.306658	1487.739214	1431.230568	1449.34668
Hirc35h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ube2b	1116.234011	1173.726934	1206.81555	1079.98993	1911.356262	1206.430026	1235.891638	1461.088398	955.3294058	1099.791371	1198.035747	1292.085167	1292.085167	1292.085167	1292.085167
Zc3c1	901.0453379	871.4882094	895.3962099	861.7468102	874.0412771	920.9550139	833.507965	985.5750394	960.080204	949.931402	836.2970945	930.4767022	861.991326	861.991326	861.991326
Klhd1c	818.626545	822.3679108	762.7991008	703.026677	659.945455	710.531172	734.2809678	831.3694209	788.530005	769.9076346	768.9927881	760.9341502	640.62048	698.448532	698.448532
Tmem209	0.915696482	11.8689962	1267.762458	1159.50743	1250.259044	1288.485324	1254.772018	1246.21065	122.856556	1147.433285	1234.361262	1311.704047	1130.505677	1187.270812	1228.02378
Cpa2	12.8197504	7.130358077	6.265290356	9.48870316	3.88017946	3.50760429	15.22171102	0.103423574	0.873901969	3.785482796	3.470112425	1.70416863	0.873901969	3.785482796	3.785482796
Cep1	162.997397	166.370572	146.8133557	142.3305542	151.075895	161.3249453	176.804861	129.636398	135.434521	152.932846	198.988624	185.6501147	191.781909	150.0256187	176.0485896
Mest	66.26786526	2.37678626	5.44210661	1.7621839	1.26678489	4.20847634	1.04142943	18.4376289	0.920896471	10.4868263	5.92524193	5.94820919	6.76875836	9.03554516	8.62278804
Claf	603.443987	572.825135	572.825135	572.825135	572.825135	572.825135	572.825135	572.825135	572.825135	572.825135	572.825135	572.825135	572.825135	572.825135	572.825135
Lncipint	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2210408F2Rik	0.915696482	1.18389301	3.13245178	3.45043769	5.700269198	8.16953669	9.60825859	8.586518091	12.0862596	20.8091537	5.20516838	1.70			

Cycc	2520.212414	2231.009816	2257.854012	2142.721798	2160.420026	2299.93259	2166.759445	2354.149903	2464.908666	2492.368415	0	2430.887696	2133.251613	2002.398141	2082.693472	2026.355195
434042013Rik	0	1.584524017	0.78316210	2.58782629	1.266726499	1.240238417	1.018412943	0.83074013	0	0	0	0	2.602584919	0	0	5.421327909
5n3z07P07Rik	2.7470894	0	0.704845165	0.56869595	0.450437679	0.56869595	6.13127151	8.11858243	1.676148026	1.51448467	2.621705807	1.891741398	1.735056212	1.735056212	0	5.421327909
0	0	0	0.78316210	0.56869595	0.450437679	0.56869595	6.13127151	8.11858243	1.676148026	1.51448467	2.621705807	1.891741398	1.735056212	1.735056212	0	5.421327909
Hmnpa2b1	20579.36273	20914.92246	21501.69334	21264.1848	21051.09451	20377.44483	21304.06233	21326.09525	21468.83122	21697.23808	22581.71706	22386.56278	21508.31228	22587.05918	21625.95248	2081.65889
Cxb3	3135.344753	3132.645178	3132.645178	3072.614753	3106.01335	3044.83299	3304.36637	3327.409829	3113.489639	3218.580951	3319.060282	3274.918601	3248.145409	3284.415409	3041.684849	3041.684849
Snc10	436.787217	450.797028	415.896474	374.374281	336.518827	331.066844	380.671309	460.940702	484.544649	529.584592	476.718322	371.300295	347.650406	346.0614316	316.186897	316.186897
Shap2	122.703325	104.578958	126.871219	105.238342	100.302031	95.501309	74.48895814	112.5586132	82.11231235	103.954264	112.5586132	98.9820423	101.954264	98.9820423	0	2.155697016
Holtairm1	0	0	0	0	0.63336234	0	0	0.83074013	0	0	0	0	0	0.852084315	0	2.155697016
Hoxa4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hoxa5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mira	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hoxa7	0.915696482	1.584524017	0	0	0	0	0.902064715	1.676148026	0	0	0	0	0	0	0	0
Hibadh	786.583727	756.223185	863.047345	762.546727	728.3677309	762.4357198	802.8375962	942.832647	939.012825	896.6234201	901.4147759	801.5959702	774.5446245	784.2854376	809.1049466	809.1049466
Tax1p1	2921.07175	271.1120593	2900.824298	3063.355229	2551.187148	2582.601591	2669.209491	2722.064394	2833.559159	2836.685791	2857.475381	2561.810498	2658.530363	2674.521769	2643.60317	2643.60317
Jaz1	38.1867593	34.8952837	42.290709	33.6417637	39.17040553	38.03704215	35.6420946	37.71333059	38.37312025	36.4047088	37.24205026	45.1146153	38.34379418	53.3097244	37.31258658	37.31258658
Chn3	0.915696482	0	0.78316210	0.56869595	0.450437679	0.56869595	6.13127151	8.11858243	1.676148026	1.51448467	2.621705807	1.891741398	1.735056212	1.735056212	0	5.421327909
Plekha8	25.6359144	38.6130044	26.6274401	43.939004	48.7689981	35.77205309	43.2991053	39.3894781	54.9262305	55.0562404	28.37612096	60.72696474	43.45630077	37.04574071	46.70576688	46.70576688
Mttrn	11.64154371	30.89821833	25.34225825	19.84001665	48.7689981	35.77205309	43.2991053	23.46607237	25.58208073	35.82998073	1.14806048	64.75840795	37.31258658	52.40616979	33.72758658	33.72758658
Znrf2	1035.65271	1122.635266	1068.83407	1167.973154	1068.83407	1214.444154	1172.684129	1096.200899	1077.457024	971.280263	988.4348802	1224.949866	1164.799259	1140.26597	1146.830812	1146.830812
Nod1	176.513724	316.1125414	281.1549047	31.4022005	386.351359	306.5173961	293.171023	191.080875	214.4380249	166.9152761	143.7723462	393.9577603	322.087811	379.4929537	349.9414822	349.9414822
Chn3	0.915696482	0	0.78316210	0.56869595	0.450437679	0.56869595	6.13127151	8.11858243	1.676148026	1.51448467	2.621705807	1.891741398	1.735056212	1.735056212	0	5.421327909
Plekha8	25.6359144	38.6130044	26.6274401	43.939004	48.7689981	35.77205309	43.2991053	39.3894781	54.9262305	55.0562404	28.37612096	60.72696474	43.45630077	37.04574071	46.70576688	46.70576688
Mttrn	11.64154371	30.89821833	25.34225825	19.84001665	48.7689981	35.77205309	43.2991053	23.46607237	25.58208073	35.82998073	1.14806048	64.75840795	37.31258658	52.40616979	33.72758658	33.72758658
Cnrf2	1035.65271	1122.635266	1068.83407	1167.973154	1068.83407	1214.444154	1172.684129	1096.200899	1077.457024	971.280263	988.4348802	1224.949866	1164.799259	1140.26597	1146.830812	1146.830812
Nod1	176.513724	316.1125414	281.1549047	31.4022005	386.351359	306.5173961	293.171023	191.080875	214.4380249	166.9152761	143.7723462	393.9577603	322.087811	379.4929537	349.9414822	349.9414822
Chn3	0.915696482	0	0.78316210	0.56869595	0.450437679	0.56869595	6.13127151	8.11858243	1.676148026	1.51448467	2.621705807	1.891741398	1.735056212	1.735056212	0	5.421327909
Plekha8	25.6359144	38.6130044	26.6274401	43.939004	48.7689981	35.77205309	43.2991053	39.3894781	54.9262305	55.0562404	28.37612096	60.72696474	43.45630077	37.04574071	46.70576688	46.70576688
Mttrn	11.64154371	30.89821833	25.34225825	19.84001665	48.7689981	35.77205309	43.2991053	23.46607237	25.58208073	35.82998073	1.14806048	64.75840795	37.31258658	52.40616979	33.72758658	33.72758658
Znrf2	1035.65271	1122.635266	1068.83407	1167.973154	1068.83407	1214.444154	1172.684129	1096.200899	1077.457024	971.280263	988.4348802	1224.949866	1164.799259	1140.26597	1146.830812	1146.830812
Nod1	176.513724	316.1125414	281.1549047	31.4022005	386.351359	306.5173961	293.171023	191.080875	214.4380249	166.9152761	143.7723462	393.9577603	322.087811	379.4929537	349.9414822	349.9414822
Chn3	0.915696482	0	0.78316210	0.56869595	0.450437679	0.56869595	6.13127151	8.11858243	1.676148026	1.51448467	2.621705807	1.891741398	1.735056212	1.735056212	0	5.421327909
Plekha8	25.6359144	38.6130044	26.6274401	43.939004	48.7689981	35.77205309	43.2991053	39.3894781	54.9262305	55.0562404	28.37612096	60.72696474	43.45630077	37.04574071	46.70576688	46.70576688
Mttrn	11.64154371	30.89821833	25.34225825	19.84001665	48.7689981	35.77205309	43.2991053	23.46607237	25.58208073	35.82998073	1.14806048	64.75840795	37.31258658	52.40616979	33.72758658	33.72758658
Cnrf2	1035.65271	1122.635266	1068.83407	1167.973154	1068.83407	1214.444154	1172.684129	1096.200899	1077.457024	971.280263	988.4348802	1224.949866	1164.799259	1140.26597	1146.830812	1146.830812
Nod1	176.513724	316.1125414	281.1549047	31.4022005	386.351359	306.5173961	293.171023	191.080875	214.4380249	166.9152761	143.7723462	393.9577603	322.087811	379.4929537	349.9414822	349.9414822
Chn3	0.915696482	0	0.78316210	0.56869595	0.450437679	0.56869595	6.13127151	8.11858243	1.676148026	1.51448467	2.621705807	1.891741398	1.735056212	1.735056212	0	5.421327909
Plekha8	25.6359144	38.6130044	26.6274401	43.939004	48.7689981	35.77205309	43.2991053	39.3894781	54.9262305	55.0562404	28.37612096	60.72696474	43.45630077	37.04574071	46.70576688	46.70576688
Mttrn	11.64154371	30.89821833	25.34225825	19.84001665	48.7689981	35.77205309	43.2991053	23.46607237	25.58208073	35.82998073	1.14806048	64.75840795	37.31258658	52.40616979	33.72758658	33.72758658
Znrf2	1035.65271	1122.635266	1068.83407	1167.973154	1068.83407	1214.444154	1172.684129	1096.200899	1077.457024	971.280263	988.4348802	1224.949866	1164.799259	1140.26597	1146.830812	1146.830812
Nod1	176.513724	316.1125414	281.1549047	31.4022005	386.351359	306.5173961	293.171023	191.080875	214.4380249	166.9152761	143.7723462	393.9577603	322.087811	379.4929537	349.9414822	349.9414822
Chn3	0.915696482	0	0.78316210	0.56869595	0.450437679	0.56869595	6.13127151	8.11858243	1.676148026	1.51448467	2.621705807	1.891741398	1.735056212	1.735056212	0	5.421327909
Plekha8	25.6359144	38.6130044	26.6274401	43.939004	48.7689981	35.77205309	43.2991053	39.3894781	54.9262305	55.0562404	28.37612096	60.72696474	43.45630077	37.04574071	46.70576688	46.70576688
Mttrn	11.64154371	30.89821833	25.34225825	19.84001665	48.7689981	35.77205309	43.2991053	23.46607237	25.58208073	35.82998073	1.14806048	64.75840795	37.31258658	52.40616979	33.72758658	33.72758658
Cnrf2	1035.65271	1122.635266	1068.83407	1167.973154	1068.83407	1214.444154	1172.684129	1096.200899	1077.457024	971.280263	988.4348802	1224.949866	1164.799259	1140.26597	1146.830812	1146.830812
Nod1	176.513724	316.1125414	281.1549047	31.4022005	386.351359	306.5173961	293.171023	191.080875	214.4380249	166.9152761	143.7723462	393.9577603	322.087811	379.4929537	349.9414822	349.9414822
Chn3	0.915696482	0	0.78316210	0.56869595	0.450437679	0.56869595	6.13127151	8.11858243	1.676148026	1.51448467	2.621705807	1.891741398	1.735056212	1.735056212	0	5.421327909
Plekha8	25.6359144	38.6130044	26.6274401	43.939004	48.7689981	35.77205309	43.2991053	39.3894781	54.9262305	55.0562404	28.37612096	60.72696474	43.45630077	37.04574071	46.70576688	46.70576688
Mttrn	11.64154371	30.89821833	25.34225825	19.84001665	48.7689981	35.77205309	43.2991053	23.46607237	25.58208073	35.82998073	1.14806048	64.75840795	37.31258658	52.40616979	33.72758658	33.72758658
Znrf2	1035.65271	1122.635266	1068.83407	1167.973154	1068.83407	1214.444154	1172.684129	1096.200899	1077.457024	971.280263	988.4348802	1224.949866	1164.799259	1140.26597	1146.830812	1146.830812
Nod1	176.513724	316.1125414	281.1549047	31.4022005	386.351359	306.5173961	293.171023	191.080875	214.4380249	166.9152761	143.7723462	393.9577603	322.087811	379.492953		

Anxa4	385.5082187	297.0982532	368.8869697	303.6385157	231.175842	235.6747027	303.9958089	260.6410181	241.5249333	300.6222773	226.063097	230.7624763	263.2940534	225.8886629	248.6237225
N1u1	31.13936807	12.6761924	21.92851625	24.15306375	23.4440004	25.25086011	9.020647418	31.00873848	13.53454241	19.2258432	19.86324687	20.82607465	16.18869019	38.82658002	35.9228236
	194.839327	2260.32351	2125.497539	2185.714879	200.794498	2595.84664	251.05436	2297.835058	1972.077415	1853.546076	2181.11834	2405.955439	2405.955439	2420.622912	2349.070257
Grft1	177.08329	728.087658	75.5695924	75.5695924	77.13567007	76.682664719	70.682664719	648.4352869	727.347644	648.4352869	727.347644	678.7259144	727.347644	714.890552	714.890552
DEfnd527e	16776.40486	1575.770445	1601.962783	1629.469194	1388.332231	1461.042874	1580.14738	1979.530819	1896.083689	1730.325988	1907.821199	1496.485983	1567.83514	457.433653	1555.69488
Antkr1	1833392963	1.584542017	0.783162194	0.630265938	7.600358931	2.102348124	3.614533003		8.27655348	0.873901969	4.729353494	0.873901969	2.556252945	0.90355462	4.311394032
Prox1	2.74708849	0.792262009	1.312645178	3.450437679	6.33962434	4.209476834	0.90674715	2.514222039	3.00966449	4.369509945	4.729353494	2.602539419	0.427777088	0.1807100393	8.622788004
Ahpq25	488.0533127	45.0167171	45.0167171	45.0167171	605.2494378	605.2494378	605.2494378	605.2494378	605.2494378	605.2494378	605.2494378	605.2494378	605.2494378	605.2494378	605.2494378
Ank1	5.494170894	3.169040384	2.349443883	6.900875375	4.4354271	1.170218057	8.118582433	7.542666117	12.03625696	0.873901969	12.2318978	4.337640531	10.52501178	4.517732598	8.622788004
Apb1	127.2811809	133.8922794	31.5710975	149.2312496	138.8640648	162.0261585	154.2056184		130.167432	131.082593	116.3420959	125.7591474	174.672884	132.5293596	
Raf1	864.103549	862.5797835	846.5973683	776.3844777	776.5703434	862.737751	895.7502618	757.8810214	751.5556933	834.2579563	804.5102779	793.932372	793.932372	857.9617423	
Ruv1a1	2653.761095	2568.338445	2625.156569	2432.558653	2508.118447	2574.88641	2563.656769	2878.784235	2851.649525	2923.202086	2804.506622	2490.671393	2347.492208	2383.571711	2461.805992
Cnbp	12599.0768	2400.48496	12683.29716	1732.971764	12314.48516	12793.76958	12679.42163	13563.39893	13314.83934	13735.21699	13240.29804	14246.74237	12500.0799	12349.79495	12118.61006
Copp1	2865.214291	2893.340485	2938.421177	2751.724049	2722.195224	2555.248426	2575.877044	3058.907148	3162.396437	3167.894637	3171.504453	2564.43208	2584.371728	2760.90755	2851.987152
Hlks	285.697302	286.798471	271.7556962	314.8524382	292.6138189	305.1145705	313.9185207	179.3478388	151.2352396	194.8801391	237.4135454	368.694942	332.3128829	321.6299044	374.3721251
HiKc	90.63593167	121.2168073	95.54677183	119.9027093	98.90276172	86.273775	65.85074128	187.7285789	138.4414996	183.5194135	144.7182619	91.95797927	52.8292754	67.76659887	17.02126421
Cm557	45.78428048	0	2.349403863	1.72521859	0.633623244	2.104238417	0	4.19370065	2.57424238	13.10852653	0.945870699	0.945870699	7.66875886	0	1.37313344
Rn1	4290.953713	160.167807	4193.045571	3949.025532	3933.185747	3853.561595	4030.554329	4248.383085	4368.229153	4354.653511	4377.489594	4490.62212	4512.206868	4121.127696	3942.769842
Rpb7	6705.465334	6183.604976	6191.673148	6217.688697	5768.672429	5846.977148	5922.054863	6052.570522	6269.158625	6377.736569	6475.430804	5781.2073	5770.314982	5855.937369	5831.160428
Esecf	4795.622826	799.392366	618.4035527	784.9745719	806.27141	792.5964705	804.024468	784.4372762	621.6382219	706.1127909	870.2104249	778.1129362	776.2488111	778.8641097	763.8353093
Cm557	45.78428048	0	2.349403863	1.72521859	0.633623244	2.104238417	0	4.19370065	2.57424238	13.10852653	0.945870699	0.945870699	7.66875886	0	1.37313344
Sec1a1	7541.672622	709.584277	7021.861476	7076.847679	6584.444287	6659.91459	6954.158419	6994.563713	6967.345713	6963.21518	778.864622	6946.191337	6739.614146	6731.522315	
Mbl1	10.0726613	7.922608085	10.0721977	11.21392246	15.20071786	11.22268499	11.72884129	21.78992434	21.0679543	13.9824315	22.70089677	17.0078961	19.8780233	12.2156142	
Agb1	170.3195456	205.9881222	205.9714205	182.0105875	203.3096014	222.3478594	125.6511677	120.6826579	145.219527	175.654297	138.097122	235.967449	262.419691	235.6895404	
Pcm1	6264.275948	6422.078941	6486.256229	6572.221188	6590.144557	6644.142537	6539.959182	6664.364582	6467.751348	6530.694161	6713.719022	6540.293323	6692.270121	6669.133683	6480.025103
Chn2	265.2654209	260.654209	261.9380077	260.654209	261.9380077	260.654209	261.9380077	260.654209	261.9380077	260.654209	261.9380077	260.654209	261.9380077	260.654209	261.9380077
Mxm1	282.9502128	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927	266.9925927
Chn2d	235.3395948	242.432167	240.8872269	220.316715	191.275696	178.4133822	221.9071958		191.275696	187.8889233	210.9291658	194.3262958	197.6835611	197.6835611	179.641848
Txnrd1	131.923956	159.2446367	166.813357	142.3305542	215.3439301	170.8817848	120.682579	164.7786928	146.8155538	177.8236914	155.287351	198.5365564	136.4387524	165.2701046	
HiKc	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639
Cm557	45.78428048	0	2.349403863	1.72521859	0.633623244	2.104238417	0	4.19370065	2.57424238	13.10852653	0.945870699	0.945870699	7.66875886	0	1.37313344
Aldh1	10.9835778	28.52143231	28.9706679	32.77915795	15.20071786	12.625405	13.62495315	2.51422039	13.10852653	22.70089677	14.74779781	14.74779781	15.61500912	13.50442879	15.8004478
Sec1a3	7.32557815	16.6357021	4.89896767	6.82609417	9.50044864	16.1234465	18.1042943	5.02844408	7.52414122	3.495607816	10.40457769	9.32927467	16.2639373	8.622788004	
Igkc1	91.7407851	923.7775019	964.071535	1060.84903	964.048664	16.9249035	1060.82935	102.037332	724.1789567	681.67413	923.9174332	1039.542684	926.143519	1092.219821	
Nup10	7779.57757	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327	8512.859327
Hdc1d1	0.150596482	1.58452407	3.915806472	2.587823259	0.633623244	1.402825611	0.902064715		0	0.873901969	0.945870699	0.945870699	1.70416863	0.90355462	6.467091048
Flnb2	6.409875731	7.922608085	7.831612945	4.31047098	5.700269198	2.104238417	0.902064715	13.40918421		33.20827482	3.94701225	5.964592026	0	1.437131344	
Iem04A09Rk1	7.32557815	13.46854414	17.22954848	12.07653188	10.0089733	17.5353204	21.6495315	13.40918421	22.5742368	16.60413741	6.575224193	14.74779781	12.85836082	37.04574071	17.9641848
	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454	64.4649454
Chn2	831.8205723	664.7075251	686.480234	668.4694392	668.4694392	668.4694392	668.4694392	668.4694392	668.4694392	668.4694392	668.4694392	668.4694392	668.4694392	668.4694392	668.4694392
Xpc	284.1816058	261.4464268	300.9730986	295.0124215	288.180761	324.0527162	313.9185207	267.3456102	300.956449	318.1003167	331.0547446	354.955561	382.0399033	304.497176	312.5760673
Lsm3	880.9001153	1012.510847	1040.82136	904.8772812	1074.184062	1030.020312	959.7986855	1097.876957	1099.273403	1046.132993	1139.931932	994.3823598	1136.671752	980.123576	
Sec1a6	4898.716758	4336.076785	4771.801767	4588.219053	4164.353331	404.219199	481.613159	404.219199	497.332446	456.349894	524.937154	454.979149	438.242223	4249.417526	470.2393757
Ccdc14.1	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639	413.5607864	425.7988639
ASG9590J08Rk1	1.831329963	2.378670625	5.482129061	0	1.900097313	0	0.902064715	0	4.514484735	0	2.602539419	0	3.61248606	0	
Nr2c2	650.1540149	694.8137815	845.0313683	697.8510205	682.7655773	575.8599135	711.72906	719.905572	707.6190779	757.673007	722.6509125	657.890021	638.1989201	620.8407406	
Mpr25	514.6214226	495.1637553	472.2436206	426.1290533	525.6914927	444.6957188	424.8724807	580.785291	543.2429965	505.115338	509.8243066	529.192448	471.022663	508.1001268	458.508181
Rbn	500.885974	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339	549.8296339
Agp1	6.409875731	0	5.482129061	1.41341549	1.41341549	1.41341549	1.41341549	1.41341549	1.41341549	1.41341549	1.41341549	1.41341549	1.41341549	1.41341549	1.41341549
Sec2a26	121.787632	98.2404895	104.6114549	104.6114549	104.6114549	104.6114549	104.6114549	104.6114549	104.6114549	104.6114549	104.6114549	104.6114549	104.6114549	104.6114549	104.6114549
Lrp1	437.7029182	111.801255	516.1032751	574.498735	693.527525	742.796312	691.8637683	726.610391	699.75413	696.376183	422.667487	823.1344092	721.036612	705.631489	
Kbnb8	163.90072	152.1143076	144.884395	150.5240224	119.07229										

Bc2i213	1379.038091	1309.6901	1382.279685	1254.234096	1268.626578	1330.580092	1422.556055	1513.561668	1449.902014	1423.586307	1340.29878	1431.421375	1335.216122	1405.931038	1374.61613
Bid	535.6824417	497.5405413	488.692478	540.8561061	494.1661157	587.789312	613.4453003	544.2361151	597.4181131	523.106538	561.8471951	541.337583	610.0923697	680.6823329	607.1879928
Bicd3	324.704841	324.871428	352.4225825	348.7404255	287.9126523	244.091654	247.1370484	342.1201575	349.1201575	402.84137	402.84137	416.1341301	416.1341301	224.0615536	231.7073664
Bicb3	141.829546	156.8678573	133.70446	156.8678573	133.70446	162.3741083	152.3509999	152.3509999	152.3509999	152.3509999	152.3509999	152.3509999	152.3509999	152.3509999	152.3509999
Tuba8	19.22966211	12.67621914	5.48212961	6.90087537	14.5673462	13.2684313	13.53097072	4.19037065	3.0096649	10.4868263	9.458706988	8.675281063	8.528043512	9.939101712	7.18656672
Usp18	134.179774	62.76304452	581.1056805	463.2212584	829.70585	1158.032542	1129.380523	1146.49278	179.0745612	321.202691	221.3337435	585.5814717	511.2505891	643.3309119	716.409975
Phc13	56.04178899	3.961130413	5.48212961	4.31304708	1.2667489	2.896551223	4.510323574	5.866518091	0	1.74703893	0	1.75056213	2.556252945	3.614218606	3.99282368
Hfp3	4152.765205	4034.039693	4232.7474	4234.889893	4046.551768	4063.820174	4063.820174	4063.820174	4063.820174	4063.820174	4063.820174	4063.820174	4063.820174	4063.820174	4063.820174
Shc1	369.9413786	404.5485863	402.073044	403.7012084	360.383686	357.091181	388.7989291	364.125674	398.0722484	341.31757	321.8125548	320.1187712	313.2508929	328.939932	403.837906
Apobc1	65.01440159	80.01846286	65.0228744	50.0395576	56.11302446	65.85074782	73.7505131	87.9138394	83.89458901	38.7069865	60.7269674	54.53339617	63.2489761	32.3354524	32.3354524
Sac2a3	3847.101843	3329.877022	3872.008188	2778.446491	2998.341598	2592.636391	4290.936024	739.656904	992.433244	5207.70815	1098.155881	3273.135345	3690.371249	2798.501647	3543.965894
Coj2	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815	511.3337815
Necap1	157.409748	177.466689	159.162396	157.8573238	167.8412597	185.1728907	184.0212018	171.8053727	168.5407635	171.2947489	159.3108551	170.0355088	171.2815004	160.7109303	156.8869941
Pe5	510.024902	442.874628	534.8991641	446.6316794	462.351683	511.3299354	488.9197568	488.0402102	515.6021612	568.46829	511.8415827	577.7313657	453.584431	482.8761316	482.8761316
Cln3	0	0	0	2.349483883	2.587822859	0	0	0.75241123	0	0.945870699	0	0	0	0	0
C1ra	6.409875371	1.584524017	7.74846158	6.90087537	3.80017946	0.70412806	4.510323574	5.028444078	10.5337972	13.982415	1.891741398	0	3.408337261	5.42137909	0.71856572
C1s2	0	0	0	2.349483883	0	0	0	2.76814944	0	0	0	1.735056213	0	0	0
Lpcat3	1395.521438	1471.23055	1469.9375	1525.093454	1425.0673	1471.54066	1459.54070	1341.100512	1324.248856	1334.448307	1452.583963	1481.738006	1591.693501	1611.941498	1508.987911
Emg1	199.8298379	1979.070497	2095.736294	1921.893787	2024.862292	2062.153649	1958.340878	2130.384471	2073.769372	2154.693452	1979.193939	1943.604323	1935.952225	1838.090989	1838.090989
Phc2	8055.361848	7933.711753	7981.973189	7630.642626	7665.104767	8276.268282	7856.0611801	8969.960382	8075.121598	8717.17214	8513.78216	7688.034078	7512.827407	7628.711923	7474.52012
Ptpn6	4359.439049	4569.767265	4804.486942	4570.967315	5155.344081	5556.592247	5630.80795	4178.637029	4086.045918	4215.703098	4720.840658	5311.007067	5462.712545	5652.5379	5719.782749
Hnbd3	96.6848393	96.1381635	97.01881758	842.769403	842.769403	1102.670951	1102.670951	714.0396591	805.856523	705.075441	882.2760941	904.1094212	936.123394	916.8897974	916.8897974
Ano1	1355.23079	1310.401362	1268.721297	1280.974798	1224.924514	1234.486538	1409.927149	1172.465544	1409.271652	1212.102031	1286.3841	1231.889911	1274.718135	1298.403034	1491.742335
Eno2	8.241268334	14.26071615	9.93793558	16.38957897	10.13381191	8.416995369	9.020647148	25.980294	7.524211266	16.60413741	13.24218978	14.48543336	12.98478123	15.08897911	15.08897911
Lnc23	0	2.376786026	0	5.175665518	3.166816221	0.21248417	0.902674135	0	0.873901969	0	2.60254391	0.86284315	0.90354662	0	0
P2	37.54355574	54.56027194	58.73707978	59.15056853	45.02192331	51.70313447	52.11077321	51.70313447	51.70313447	51.70313447	51.70313447	51.70313447	51.70313447	51.70313447	51.70313447
Tcp1	23059.19023	27325.59094	27494.44537	25950.74148	25949.52548	26639.65658	26272.63482	12813.31359	16326.63405	17831.71748	18425.56121	26091.77532	26133.42595	24759.46979	25550.0396
Usp5	3092.307018	3074.786859	3178.851694	3098.49305	2924.871462	2978.19773	3024.664283	3458.731452	3641.857378	3931.732351	3416.484964	3232.409724	3090.59811	3065.769933	3801.928167
Cdc3a	157.4797948	1876.868686	1762.112931	1801.611712	157.583003	1597.44967	1662.505269	1699.616408	1689.170895	1903.138351	1751.752534	1839.159985	1823.46034	1836.025382	1836.635888
Pd3	0	3.132645178	0	3.132645178	0	3.132645178	0	3.132645178	0	3.132645178	0	3.132645178	0	3.132645178	0
Prp162	18.43192993	10.29940611	15.63252589	9.48873016	15.63252589	11.920471	11.920471	11.920471	11.920471	11.920471	11.920471	11.920471	11.920471	11.920471	11.920471
Pgms	2343.921248	1805.551167	1955.537562	1692.439861	1692.439861	1968.163423	1992.695045	1110.448067	1024.035621	1401.817245	1487.904409	1551.64538	1482.738163	1838.650313	1866.05131
Lnc3	2867.045648	2382.33118	2922.331109	2164.280734	2355.477905	2683.884846	2846.957334	1717.213653	1761.611766	1769.651487	1829.313931	2321.556831	2328.63228	2315.937161	2315.937161
Hf2	13.15015893	2943.493149	2909.10962	2909.10962	2909.10962	2909.10962	2909.10962	2909.10962	2909.10962	2909.10962	2909.10962	2909.10962	2909.10962	2909.10962	2909.10962
Co3p7a	117.149708	1064.007787	1132.451232	1022.192162	1101.214375	1007.228789	965.061485	1209.340801	1152.383254	1236.571286	1150.17877	1001.994963	944.1094212	974.935469	1108.926123
Clamp	13.7354472	3.169040384	4.698967767	2.587822859	2.534525977	4.90989564	2.70619444	0	0.752411266	2.621705907	1.891741398	7.80075997	11.92918041	7.228437213	7.228437213
P3p34	103.7421328	1060.046567	1106.543306	103.7421328	105.415092	100.6171487	105.415092	1204.126444	1052.627357	924.588231	1125.532002	1045.371368	1090.667923	1047.219841	1143.237984
493353107K07Rk	118.0514591	237.6788026	230.2440206	216.5149643	262.213231	221.1535106	258.8925731	198.6373284	212.7276983	223.6300626	255.1581508	288.0044958	290.944597	268.7435613	268.7435613
Acrp9	11.90405426	14.26071615	15.63252589	4.31304708	8.8780542	10.52119029	12.6289061	10.8496217	6.717172103	8.739019689	6.575224193	14.74797781	7.668758836	25.29953024	10.7748508
Lnc4	29052.01228	224.2101484	229.4662593	269.1341389	259.780351	301.7801973	306.702003	226.162027	223.4669944	251.683767	199.587714	215.1469704	260.7378004	268.3557315	280.9591777
Chd4	15532.7703	19022.25439	14929.4037	14519.44175	14756.37072	14444.89532	15062.16451	15378.65814	14189.77794	13410.89961	14207.92377	15553.67715	15331.97193	14439.70807	15051.86685
Chf1	40.421558	4526.00117	4659.807912	4659.807912	4659.807912	4659.807912	4659.807912	4659.807912	4659.807912	4659.807912	4659.807912	4659.807912	4659.807912	4659.807912	4659.807912
Usp12	12.9112309	179.251593	176.212913	116.4522717	115.1739948	192.992197	156.733398	212.877993	10.0459717	159.9403261	200.1998213	191.7237115	187.455493	204.703531	206.9469135
Gaphd	119958.0705	110742.383	108657.3467	107375.0327	103672.0626	106357.328	110666.2013	7777.68586	82776.8397	86388.70523	102144.4943	103865.572	10102.3442	104653.5209	104653.5209
Ncap2	6393.392834	7612.55088	6866.219714	6817.20224	6790.92070	6286.061565	6835.55203	6915.786756	7016.518935	6727.297357	6835.80754	7349.688116	7313.247826	7588.051964	7013.200958
Scn10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mrp15	1072.28051	1031.525135	1095.233167	1031.525135	1031.525135	1031.525135	1031.525135	1031.525135	1031.525135	1031.525135	1031.525135	1031.525135	1031.525135	1031.525135	1031.525135
Mir309	5.44717889	2.376786026	3.979335534	2.587822859	1.900897833	4.208476834	7.216517718	5.866518091	5.866518091	5.866518091	5.866518091	5.866518091	5.866518091	5.866518091	5.866518091
Vamp1	33.8077692	55.4538406	41.5075481	29.3278027	46.8888080	40.6819427	35.1805238	39.3894781	39.774945	38.774945	35.9430855	66.79966418	48.5680956	46.98448194	63.9523448
Tbplp1	2349.671172	2528.390331	2416.05293	2517.956986	2218.038081	2271.174665	2271.750509	3097.521552	2988.58895	2742.304378	2608.713387	2412.556624	2292.106808	2323.039009	2329.599909
131012110Rk	11.15015893	7.130450276	11.15015893	7.130450276	11.15015893	7.130450276	11.15015893	7.130450276	7.130450276	7.130450276	7.130450276	7.130450276	7.130450276	7.130450276	7.130450276
Cd27	1153.77767	1451.424	1040.236321	1379.312462	1637.87735	1428.07647	1579.515316	1686.143921	1156.005046	1133.450584	1069.77976	165.001994	1481.774624	1626.389373	1685.036501
493041703Rk	54.5417889														

Gm15706	10.98835778	9.507144102	7.831612945	6.900875357	6.969695687	10.52119209	17.13922958	5.028444078	4.514484735	14.85633347	1.891741398	6.072696744	9.372927467	9.035546516	7.904223992
RassH8	15.10054026	6.338090668	9.37935334	6.900875357	6.969695954	3.507604029	12.62890001	6.716148026	8.276553484	2.621705907	4.945870809	5.112505891	4.511773258	7.18566572	
B1001	25.63905148	12.29904811	5.48212960	1.55669695	12.03306116	1.42025611	6.31453003	8.866518001	1.554028265	2.621705907	4.727053494	1.735056213	12.28431271	12.934812	
Hzp2	419.0889812	440.4988812	490.351113	490.351113	490.351113	490.351113	490.351113	490.351113	490.351113	490.351113	490.351113	490.351113	490.351113	490.351113	490.351113
Asun	905.6238203	927.738812	1022.025489	881.6495196	887.3419052	492.6988109	101.1832972	106.886219	108.8175108	104.348951	115.4108123	985.5119287	909.8795341	927.668825	909.8795341
Fzr1p2p	2287.409811	2427.490794	2525.659175	2358.374153	2343.440044	2461.958948	2514.05436	2420.35775	2364.37587	2622.579809	2537.771085	2622.579809	2537.771085	2622.579809	2537.771085
Tm7b3	237.1653887	178.876227	257.660059	240.1766984	238.1445798	209.0210161	237.24302	299.1353345	321.2089303	353.0663954	321.5960736	266.3311286	245.749458	245.749458	245.749458
HxEd1	175.2296419	144.191585	171.5123234	157.857238	105.737528	125.25435	147.036545	119.055059	136.9393703	133.707012	162.860712	150.535552	115.585651	117.564609	115.585651
Gm6564	3.662785926	3.16904034	8.78312194	2.17521839	8.23372176	2.042382147	1.80412934	0.170231005	0	0	1.751913428	0	0	0.594650206	2.16818606
493047819rk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
493047819rk	49.0548525	396.1310043	430.738712	334.318549	428.1535531	428.5632248	486.128813	351.1530115	385.9884449	361.7954151	426.5876851	412.075805	433.7109164	378.588399	408.701703
Am145	2.75304955	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611	1.42025611
Php1p1	502.7173894	496.7473774	474.4351008	402.1856601	620.048920	478.3635335	528.609229	595.613272	495.8400068	533.082001	502.257341	561.2906848	421.781736	477.9804107	457.0077574
Mp3s35	677.6153964	651.239731	685.2661327	585.711959	585.726377	620.048920	620.048920	691.6014308	670.572046	689.8781633	611.9783421	604.6670901	573.4527441	662.3055696	630.1820943
Mansc4	0.15996492	3.16904034	2.34943883	1.75218839	1.90008793	3.60825889	0.83907403	0	0	0	0	0	0	0	0
KH42	19.23124702	267.748559	271.759682	276.050143	214.076766	249.720568	266.109009	377.1333059	350.6249811	318.9742186	0	347.134544	292.3569178	282.039993	265.150733
Ccd91	175.2296419	144.191585	171.5123234	157.857238	105.737528	125.25435	147.036545	119.055059	136.9393703	133.707012	162.860712	150.535552	115.585651	117.564609	115.585651
Fzr2	4.578428046	7.13035077	5.9488328	12.0765138	13.66816221	2.89551223	1.81856243	21.78992434	10.53397772	2.621705907	4.72935434	7.668758834	10.84265582	14.37131344	10.84265582
En12416N19rk	58.32829623	54.2543099	54.6465836	505.489199	473.757067	514.746889	498.8417873	579.947217	634.2841053	644.065711	652.6507822	530.927201	571.7487575	521.351034	530.3014659
Tm1c1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4932416N19rk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hzp2	41.20634167	26.39690282	34.9405996	25.87828259	35.46834168	23.84030539	26.8607087	42.7417467	25.58208017	26.21705907	36.88895725	22.55573076	22.15419219	27.10663955	28.74262698
lpo8	961.4813065	947.5436232	1010.27807	885.037846	934.2017853	902.718281	1022.039322	1242.863761	1032.312176	969.1572835	1006.406423	1004.503874	998.42789	954.973178	954.973178
Capn2	49.434661	29.31369431	34.459096	39.6800333	39.90188439	39.27911712	38.78872784	56.15059887	56.44105919	52.4341813	53.91462983	49.0308469	27.26669809	47.88839563	45.98820301
Fam0a	1327.105947	1024.951264	982.0842633	1015.29187	882.9083625	1051.417796	1119.462311	839.7501611	850.9803762	933.227575	958.1670179	950.8108045	981.2801387	938.133237	931.2611109
Denn9b	2.37076828	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Met120	0	78.7489971	96.9716161	86.26094197	103.8715721	94.39686777	92.01066037	72.1243941	92.54607378	80.3989814	94.56056358	105.658451	0	85.8379169	96.28790004
Am1014019rk	5.127902927	39.61310043	37.59174214	25.87828259	38.00179466	36.4734659	30.6720033	29.32350644	28.5917366	13.10852953	24.9263817	36.43618046	26.4134777	27.10663955	32.3354524
B1001	1184.911247	1128.973362	1108.956393	1065.322633	1000.085653	1002.124551	1218.69943	855.559791	908.183846	702.617183	752.9130762	1030.6239	1010.944625	966.8034772	986.5904472
Occd1	10.0726613	6.338090668	9.37935334	6.900875357	6.969695954	3.507604029	12.62890001	6.716148026	8.276553484	2.621705907	4.945870809	5.112505891	4.511773258	7.18566572	
Byad	6.178166426	3.16904034	46.9896777	35.320246	46.9896777	35.320246	46.9896777	35.320246	46.9896777	35.320246	46.9896777	35.320246	46.9896777	35.320246	46.9896777
Asun	5.494178889	5.18540217	2.34943883	1.75218839	1.90008793	3.60825889	0.83907403	0	0	0	0	0	0	0	0
Nadu3	705.384992	766.173822	804.3006494	694.4005828	734.7013864	754.0187661	741.919074	664.5929624	654.600286	512.9840557	532.525204	702.6977661	675.5456482	731.8792678	725.7513287
Tfpt	338.8076978	406.170464	364.1700139	352.8075256	301.241778	326.1505947	340.9804627	338.5819013	333.218022	366.164925	398.6987279	340.0710177	324.6441241	320.390385	348.5043509
Php1p1	270.927322	235.060867	236.558077	225.265323	196.5071301	218.9472107	203.1744059	194.7808362	210.7808362	210.7808362	210.7808362	210.7808362	210.7808362	210.7808362	210.7808362
Cnot3	1760.884334	1679.59548	1668.916719	1657.072995	1598.608829	1523.468614	1771.259916	1798.500832	1584.584142	1742.560526	1661.894818	1548.802613	1686.27486	1575.799312	1702.280277
Lenq1	167.724561	227.899367	197.5375571	197.5375571	197.5375571	197.5375571	197.5375571	197.5375571	197.5375571	197.5375571	197.5375571	197.5375571	197.5375571	197.5375571	197.5375571
Tmcd	10.98835778	53.08155457	34.4909696	36.2295963	20.2673822	32.2649896	25.25781201	27.6564423	30.0956449	26.48437957	32.9660804	28.97086672	39.75640487	25.14978652	
lHoc37	1332.388889	1478.512943	1478.512943	1296.59413	1296.59413	1296.59413	1296.59413	1296.59413	1296.59413	1296.59413	1296.59413	1296.59413	1296.59413	1296.59413	1296.59413
Ten34	402.472732	338.535967	423.303046	442.518633	387.618305	424.073298	414.077044	376.736315	440.456923	423.303046	423.303046	423.303046	423.303046	423.303046	423.303046
Lair5	2659.1514	26208.02724	26863.21556	25566.01798	27270.0785	28553.12149	27263.18071	27819.02878	26600.84899	26963.37151	26376.55503	26599.27927	25888.8777	27501.49293	25861.8971
Php1p1	75.7181186	68.92679474	53.2508603	84.53572313	74.10349958	56.11320446	55.92801232	41.0656264	44.39243323	58.55143192	59.58985402	75.4749425	76.68758836	81.31911864	68.10004182
Lenq8	819.548358	990.3274602	987.057618	883.320457	936.110875	949.110875	928.4251957	887.5203395	877.3146689	965.615769	978.8366477	1020.59448	978.8366477	1161.615933	1089.6891
Lenq9	31.04079631	34.08279631	64.2192634	54.2192634	54.2192634	54.2192634	54.2192634	54.2192634	54.2192634	54.2192634	54.2192634	54.2192634	54.2192634	54.2192634	54.2192634
Rdh13	334.2292158	302.644072	291.3390015	345.3307373	332.5157032	313.5315422	362.6300153	341.0961233	300.2132349	332.566502	294.1657873	289.7543875	326.348927	319.625618	318.3245927
Ep3s1	367.6278526	20.59881222	26.9448386	29.32870227	25.33452977	29.4933784	49.1455541	46.9321447	27.8392534	24.4692513	1.86324867	41.6413491	32.79302839	30.72085815	30.17925822
Php1p12c	1685.797127	1711.289398	1657.359246	1506.116047	1667.645422	1528.378504	1934.596446	1504.342865	1486.265478	1734.695408	1588.116903	1562.48119	1643.670644	1584.834859	1616.772762
Tmcd	10.98835778	53.08155457	34.4909696	36.2295963	20.2673822	32.2649896	25.25781201	27.6564423	30.0956449	26.48437957	32.9660804	28.97086672	39.75640487	25.14978652	
Tmcd	12.8157014	21.3017423	9.30793524	3.45043719	3.146818221	9.00861428	9.00861428	9.00861428	9.00861428	9.00861428	9.00861428	9.00861428	9.00861428	9.00861428	9.00861428
Dna13	21.97671558	11.0916812	10.096963	22.4778491	8.8708542	11.9240717	12.62890001	11.73308618	14.2956833	13.10852953	20.80915537	20.8067455	17.2142374	23.64242094	15.8004478
Tm5	10.0726613	11.8839031	1.56623599	1.57655518	5.700269198	17.5352014	14.0730354	0.83907403	1.504028265	0.83901969	2.837612096	9.542099169	9.542099169	9.939101167	20.1198382
Tenn8b	59.520713	73.2262005	90.06354887	71.59681338	69.6995867	75.7258302	73.7064319	73.7064319	73.7064319	73.7064319	73.7064319	73.7064319	73.7064319	73.7064319	73.7064319
Php1p1	6238.271462	6238.271462	6002.98801	6002.98801	6002.98801	6002.98801	6002.98801	6002.98801	6002.98801	6002.98801	6002.98801	6002.98801	6002.98801	6002.98801	6002.98801
Phsp1p1	1704.111152	1785.75867	1634.457622	1737.295371	1648.011162	1648.320093	1602.066533	1913.322972	1848.614099	1962.783922	1919.171648	151			

Smpd2	2571.27572	2367.27881	2548.406852	2369.58076	2644.291545	2884.91087	2546.52689	2665.913436	2629.687358	2696.861476	2466.830782	2394.377573	2380.723577	2721.506611	2525.758337
Gipr	0	0	0	0.8626094	4.43354271	0	0	0	0	0	0	0	0	0	0.90354692
Gom12	70.66472	595.781304	673.5187133	627.9796575	525.0581295	519.746868	605.2854236	552.2907746	579.3588744	579.3970054	613.8700835	605.5341862	586.2340086	609.6993858	587.7867187
Gp4	0.9106664	0	0	0	0	1.80412543	4.19037005	6.71772703	0	0	0	0.867528106	0	0	0
Opq3	73.545453	765.7994933	765.1485847	717.128212	651.7307784	681.7732472	801.9355314	739.1812795	755.2051627	732.3984992	748.1268093	722.6509125	759.2071282	610.8209445	689.1643988
Ppm1	5569.26601	5710.624557	5852.564545	5506.03926	5809.84104	6112.111189	574.116239	5324.284205	5263.354843	5305.458583	5246.744766	5446.34151	5822.292125	5958.039372	5850.561701
Ppm1n	7.32551783	3.169048034	8.61477429	12.93941429	3.800179466	16.13244953	5.41238926	4.19037005	3.00965449	5.243411813	5.18236528	1.21776538	5.964959206	5.421373909	5.748525736
11n2	1.73307171	12.5389717	1.623686522	1.623686522	1.623686522	1.623686522	1.623686522	1.623686522	1.623686522	1.623686522	1.623686522	1.623686522	1.623686522	1.623686522	1.623686522
Fse	595.58088	363.6482619	368.085804	314.8524382	355.317678	353.870254	354.134976	234.6077237	217.447814	617.816842	246.8725254	357.4215798	724.4128398	5742.99357	352.0917193
Erccl1	335.1441293	331.9571786	349.4212602	342.4559396	332.7842997	342.2894482	350.903174	347.8001514	355.1394659	368.2646703	373.618926	301.899781	373.21293	351.8277595	384.8252942
Cd3ap	632.7462688	724.1274758	617.1692294	699.572693	750.535445	704.9196977	770.3635268	680.23668	702.611783	773.2434203	648.9130263	648.9130263	704.761495	635.1989201	589.9424167
Ppp1r13	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522	115.073605522
Erccl2	161.3219432	162.1334417	157.6235514	169.450584	155.657911	565.3387214	560.1821879	55.4530707	591.3905039	526.9638872	556.1719709	557.8205723	593.9027767	548.4575735	546.1099107
Kc1c	561.285498	163.9882358	225.550528	181.7580064	191.909063	168.3390734	164.1757781	119.0065639	150.428245	150.3113187	144.8477683	188.2535991	186.606465	162.68373	204.791265
1509616022Rik	0.91596482	3.169048034	0.78316294	0.8626094	4.266726489	4.20847634	1.8042393	0	0.75241123	1.14703938	0.945870699	1.735052191	5.112505891	7.228437213	2.155697018
Mark4	589.711954	459.5119449	486.3431639	482.1986656	595.874116	549.803481	495.325284	491.113716	590.502926	413.355613	404.832659	490.610579	504.4393146	441.8382246	526.7068376
Bloc1s3	192.285181	190.143892	162.1143829	161.1373357	173.2152389	199.905246	181.3150077	167.6149026	157.5448951	127.589561	174.002086	183.095284	189.8148748	174.3880478	202.8211762
Trapcc5a	734.3885782	479.7608033	756.538105	577.0857107	666.9314962	712.7537771	617.1361478	674.918038	366.527747	437.824864	401.0451763	628.030489	590.9242168	602.6709256	556.0540585
Nkpd1	14.6513417	11.09166213	7.04845165	6.038265938	4.43354271	7.118366474	6.314530033	6.38074013	3.00956449	6.117313782	6.621094891	6.94022485	5.964592026	5.421373909	3.92823836
Ppp1r37	411.147702	407.9247409	435.4376787	443.3812417	433.8538223	499.6250785	410.4394452	464.2930032	510.8891892	524.3411813	515.2372368	360.8916922	443.9359282	441.8382246	462.7562927
11n2	553.7911439	550.734969	554.578569	544.9600139	624.9589989	574.6152223	596.6510991	574.321683	644.3396531	644.3396531	652.6507822	601.1599777	588.7802518	538.422127	602.6765988
Zp26	215.1896732	201.2454905	162.114388	168.208368	184.840362	164.1757781	191.7374838	164.778628	191.1323351	155.1227946	155.1227946	155.1227946	158.73514	149.0651575	174.6114583
Clasp	448.691276	573.5976942	571.707745	489.095409	516.8244073	519.045472	506.058305	444.1792269	483.822808	507.7370439	541.9839104	565.025741	603.2756951	525.8688072	510.9001928
Relb	1877.17777	1819.825834	1816.932443	1750.378823	1905.156639	1963.254443	1878.09738	1526.790825	1398.107491	1318.718071	1413.130824	1595.384187	1719.506148	1688.129425	1671.204462
Tom1	257.801262	257.933082	2656.48311	2780.1196	2703.194327	257.835438	2664.499137	2676.803898	2695.147387	254.034713	264.654474	2675.45688	2633.246669	2623.927208	2632.106056
Apoc1	47.8804919	72.8804919	9.30793574	51.73707745	79.70366631	70.93666631	70.93666631	70.93666631	51.417912329	60.8863147	50.21624193	50.21624193	50.21624193	50.21624193	50.21624193
Tomn40	470.680736	3799.688593	5995.65305	3801.231092	3818.547	407.9509814	7664.120014	484.765054	4255.55712	4122.070061	4521.749104	3791.819959	3669.075109	3712.22387	3710.67313
11v250891	5.41947889	2.37678026	3.93753524	4.31304708	3.166816221	7.04128057	2.70619414	7.542666117	2.25724328	0.873901969	0.458070988	0.867528106	5.112505891	0	0.431394032
Bcam	29.3024871	30.8982183	21.92851625	45.7182904	27.2346195	30.7064209	32.4336628	87.15969738	53.412407	75.15556933	54.86050053	23.4232588	21.30210788	25.29953024	38.0839801
Bcr	757.510634	675.0371232	662.5544561	565.4654581	551.1241381	535.8793836	516.5880875	516.5880875	486.8119373	503.367341	484.4225317	397.3787277	426.8824714	426.8824714	426.8824714
Scamc16	4.578452409	1.58450101	0	0	0	0	0	0	0	0	0	0	0	0	0
Pv3	529.2752658	429.4006086	400.2598703	402.1359729	382.1359729	468.5437542	516.5880875	199.4616151	273.1283265	305.8656891	287.5446924	156.363095	356.005237	453.414939	338.0492169
Igsf23	43.0373743	34.8952837	41.50758467	41.50758467	29.13470924	50.5017220	36.9845331	13.4091842	18.0573984	16.60413741	32.15960376	50.61663016	51.97174322	56.92394035	28.04206121
Zp180	23.3240858	407.0107597	319.5299802	287.1449787	387.850233	371.3710827	327.4449415	282.4309424	283.660142	295.3788655	243.0887696	290.6219156	316.9753652	292.7517071	329.1037109
Zp112	11.8920913	11.8920913	9.30793574	12.0763108	13.24737938	13.24737938	13.24737938	13.24737938	11.8920913	11.8920913	11.8920913	11.8920913	11.8920913	11.8920913	11.8920913
Zp235	48.5319152	47.53572051	43.0738712	56.932217	55.1026025	37.87625915	51.41768874	81.29317927	33.10622139	54.18192027	58.64398332	47.7140585	54.7104545	54.21327909	38.80254299
Zp114	0	0.792262009	0.78316294	0	0	0.704112806	0.902064715	2.514220329	2.25724328	0.873901969	2.602584319	2.565252945	0	1.437131344	0
Zp111	1.85139293	6.338906068	6.25293036	1.725218839	0.63363244	0	0.902064715	0	0.75241123	5.243411813	8.512836289	0	0.85204315	2.71066395	0
Zp110	44.801676	37.236314	59.3203628	38.35151494769	38.35151494769	28.7579250	38.35151494769	38.35151494769	44.801676	44.801676	44.801676	36.436180	59.2295103	41.67680897	0
1509616022	0	0.78316294	2.58782329	1.90089733	0	0.902064715	0.839074013	0.839074013	0.75241123	0.873901969	0.458070988	0.867528106	5.112505891	0.903554652	0
Zp93	31.13368037	32.48274235	40.7243871	25.8782529	14.5673625	30.8621635	31.57256022	23.4667237	27.83932254	19.2258432	24.59263871	15.6155091	16.1869019	21.6853114	25.14979852
Zp112	112.6306672	137.0613275	97.89516181	124.2157564	86.13740122	126.9551748	118.170476	92.1881414	109.100478	112.733354	99.31642337	136.2019127	112.4751296	104.8123396	112.0962448
Zp94	24.723805	36.6517908	46.8996767	47.40255214	53.20251252	30.16075005	30.6720033	28.4854164	38.37312025	26.21705907	27.43025026	33.8359614	25.29953024	35.9282636	35.9282636
Kcm4	4009.638093	3038.51815	295.358071	345.0244274	78.3704429	145.7310933	297.2218853	302.6119053	302.6119053	302.6119053	302.6119053	302.6119053	302.6119053	302.6119053	302.6119053
Smp4	706.564772	701.9441395	736.176168	749.607567	739.134061	742.551899	726.120594	783.5992022	782.5106875	692.1305949	832.3661297	712.240573	737.0256326	749.658666	701.3200958
Irgc1	38.45022325	22.18333624	27.4106351	12.9394129	14.5673625	16.8390734	26.15987673	5.028444078	12.0386592	12.23462756	12.29631908	11.2776538	13.8690199	24.3597559	7.18565672
Pleur	51.0429402	457.351189	448.754217	376.097077	406.405025	117.1359386	114.5622188	70.1706447	282.15526	400.933416	330.1088739	123.188911	132.925132	107.5230035	124.3118613
64098753	3.961301034	10.1610663	15.90089733	6.31271555	10.8427658	11.73303813	7.524141226	5.17302544	7.524141226	5.17302544	11.35044389	70.0775297	11.9280184	6.32488256	0.178565672
Zp128	80.0146348	10.1610663	15.90089733	6.31271555	10.8427658	11.73303813	7.524141226	5.17302544	7.524141226	5.17302544	11.35044389	70.0775297	11.9280184	6.32488256	0.178565672
Irgc4	42.9791132	38.10780261	40.567515	42.5664495	35.0882373	38.8623238	37.86173042	399.7613042	500.3535915	489.356129	452.126194	307.1071077	398.7754595	398.7754595	398.7754595
Xrccl	95.694127	427.245961	967.2041987	941.6964863	868.708542	952.9179171	84.1367025	63.621389	81.854833	1025.96011	1075.45485	890.03873	965.411293	950.542552	930.542552
Zp575	173.744722	11.8939301	14.880646	4.31304708	6.33632443	9.81971928	3.60825898	5.028444078	7.524141226	6.117313782	10.4054769	5.20518638	12.76124743	4.51772265	7.90422392
11n1															

Spre3	0.015696482	4.753572051	2.344043883	7.763484777	2.533452977	7.715540863	3.608258859	3.352296052	4.514484735	13.10852953	2.837612096	5.205168638	0	6.324882561	2.155697016
Ggn	4.609875196	7.922620085	8.614774239	3.450437679	0.63363244	3.507064029	2.706194144	5.028444458	3.00969845	13.35044838	2.602593419	0.852084315	9.939011167	15.08997811	
Pomnd	3.622118524	4207.872575	4207.872575	3926.598078	0.923260324	420.800234	4155.74883	3877.764078	3991.81068	3969.740782	4001.033056	3979.351424	4090.554689	3862.574338	3862.574338
Catspgr1	0	0	0	0	0	0	0	0	1.50482045	0	0	1.735066213	0	1.70709303	2.874265688
Kcnk6	259.1421043	257.4851258	262.3590337	289.836703	226.7440415	216.736557	214.691421	310.9254848	325.7953151	284.018139	338.6217102	196.61352	180.641748	199.6882745	10.0149301
Yf1b	1088.173117	992.7042967	1097.992135	976.473863	1016.548007	1004.423138	941.7555622	867.734346	862.5624258	758.546099	802.0983526	849.310016	976.4886252	952.3466028	958.5666064
220002000Z10Rk	6.409875196	14.26071615	9.315806472	9.488709316	10.76711975	9.14977928	8.11588423	4.190370065	16.5531107	13.9824315	5.675224193	4.337604531	2.556259435	7.228437213	6.467091048
Spm2	0.015696482	4.753572051	2.344043883	7.763484777	2.533452977	7.715540863	3.608258859	3.352296052	4.514484735	13.10852953	2.837612096	5.205168638	0	6.324882561	2.155697016
Dp1	14.05174371	14.26071615	28.9706679	16.38957987	20.7416653	16.13244955	11.72884129	12.26799835	15.62172959	14.85343719	22.70086977	24.00778698	16.18960199	25.29953024	15.08989711
Sip1a3	21.77466791	293.920252	346.5172922	301.9132969	247.6450285	267.238279	345.4907588	273.2121284	284.4212583	263.0444926	269.5731492	243.0941476	241.249092	323.3545264	
Zp4	246.3223535	257.4851258	281.938066	254.4697788	263.113702	229.3619875	299.4854853	255.612574	268.6118418	270.988668	245.9263817	230.869105	242.8440298	231.3099908	263.7136016
Zp5	27.4709455	34.8952837	25.6161542	43.1304708	27.8677625	29.7201172	29.7681359	48.6032976	27.964983	38.78086865	39.03076478	34.93545622	29.817305	87.36541494	
Zp790	196.8747435	165.5827598	122.4178076	127.6661341	154.5406316	118.5387642	156.0571957	207.8423552	134.6821719	132.830993	137.1512513	143.1501649	143.1501649	123.7868973	155.201851
Zp940	113.5463637	139.7373196	152.716254	106.963568	125.409224	115.0317001	126.9655246	137.4441821	24.8296605	20.09974528	32.15960376	33.8359614	28.1187824	27.1066395	18.6827704
Zp420	18.3192963	41.98988645	18.7958707	16.38957897	23.4344404	28.0651223	27.9640616	16.76140826	24.8296605	20.09974528	32.15960376	33.8359614	28.1187824	27.1066395	18.6827704
Zp27	190.8835778	113.2934672	86.14774239	125.409224	97.53739692	91.1836674	94.17479505	144.1847302	105.337792	88.26409886	116.9362252	140.5395632	70.7299818	111.1372221	106.3471795
Zp345	53.0681382	578.957902	610.865907	610.7244981	572.5603728	607.961451	608.710059	560.761472	551.4201424	653.802211	653.802211	653.802211	653.802211	642.3877107	642.3877107
Zp74	129.1312039	146.5684716	178.5607751	128.5289035	131.1061916	128.0599653	142.5526249	93.8624964	88.7486646	92.6336087	113.5044839	120.5864088	114.1792982	151.7971851	114.9705705
Zp568	410.220237	445.251248	449.534583	391.6246765	367.3506817	393.492584	430.355161	322.658495	324.204088	364.1886757	515.3116951	427.7463262	447.6071316	440.8705959	
Zp14	8.241268334	4.753572051	11.74741942	17.25218389	7.600398931	13.32688431	9.020647448	7.542666117	12.03829596	8.739019689	15.13393118	780775297	11.92918041	12.64976512	11.49705705
Zp2	96.0754927	106.1631091	130.0047749	96.612255	126.5727386	98.6920561	101.9333128	65.4054933	118.1220012	65.5264767	87.02010429	106.7059571	90.32093741	98.8475702	93.41353736
Zp564	92.4853464	97.14882094	84.5814198	74.18441009	74.10340859	95.39214158	98.32053951	98.6927272	115.1130698	100.011928	100.05861101	100.0323023	75.83550455	84.0309825	68.8230451
Zp260	246.3223535	306.605397	288.2033429	279.485452	266.0125626	284.0721863	287.758644	271.8992344	211.4238864	221.9711001	197.686979	349.6128268	303.3420162	317.1476827	288.834091
Zp382	240.8201747	266.9921967	241.99684	269.9967484	242.5781226	190.7842382	244.9557327	186.6235411	157.254516	108.0238056	208.0915537	237.7071011	203.481513	234.0206548	242.1566315
Zp416	814.9896268	793.0542705	769.0643252	769.4476023	775.9680898	751.4215918	693.6871675	768.6274643	875.8103067	850.3066157	795.4772577	795.4772577	795.4772577	765.8898794	688.3599137
Cm1313	28.4592525	27.7291703	34.4590669	25.0567317	25.2453977	19.5831457	23.45386526	33.5296058	27.0980614	24.05134516	22.4235288	20.6763016	26.7121865	23.7126717	
Cox1a1	31.0882523	32.4827423	14.8800646	15.52699955	13.935917	32.24899066	12.64955315	20.3414638	16.5531077	13.3607256	13.2421897	13.800497	28.1187824	22.58886629	20.1193882
Cp1	3160.984254	3075.56117	329.155114	3163.188742	3156.409406	3194.93533	3153.618243	266.1243621	2886.260574	2983.50122	2943.549615	3199.436528	3087.101474	3361.223304	3242.168312
Tcbn	161.3128997	657.5774167	666.4702616	628.842669	716.961925	781.373856	792.0128196	646.9931381	695.9830618	782.1422622	54.4002399	669.731608	669.731608	680.815378	712.8174736
Polr2	20.4532529	21.5339663	205.1842554	114.77981	224.8438511	191.2043172	167.7840369	240.572741	220.4573379	268.2870945	196.7411053	175.2406775	167.008528	123.5637803	194.7312971
Wtrc2	31.0882523	18.9065521	36.02541955	6.90087537	15.8340811	11.81386674	13.53097072	9.21881414	26.33449429	27.964863	780775297	12.78126473	12.78126473	20.1193882	
Ctip3	23.8081085	18.9065521	36.02541955	6.90087537	15.8340811	11.81386674	13.53097072	9.21881414	26.33449429	27.964863	780775297	12.78126473	12.78126473	20.1193882	
Alkbh6	30.7129839	30.0502733	37.1180243	238.0801998	298.3140881	259.5227378	286.8567895	216.2330954	289.6794372	260.4227867	239.6300626	268.4065593	244.8631052	236.5863016	
Syme4	4.578482408	3.169004304	2.349438883	0	4.43354271	0.01412806	5.412388299	1.71330818	2.97242398	6.991215751	6.621094891	1.735062313	1.260421576	1.807109303	4.31394032
Sdh1a1	383.6768259	408.0149249	472.0294219	486.5111717	500.9903246	537.98362	546.7870044	528.23898	456.7153737	496.5502414	414.291365	580.2694186	502.7363861	532.4571629	
Lfrn3	0	2.376786026	1.566322589	1.75218389	0	0	1.80412943	2.51422039	0	0	0	0	0	0	0
Tyrbp	2.74070495	0	0.783161294	0	0	0.701412806	1.80412943	0	0	1.74703938	0	0	0	0	0
Hcat	148.34263	162.413717	139.4027104	163.8957897	149.4737256	165.5334221	176.8046841	107.2734737	95.5669397	111.859452	62.29075079	179.578318	158.4876628	158.122064	134.3717807
Nhr3id	835.8719423	801.1480043	759.474253	823.2423763	821.1480043	831.7969263	843.7969263	831.7969263	843.7969263	831.7969263	843.7969263	831.7969263	843.7969263	831.7969263	843.7969263
Appl1	86.0754927	51.4970305	54.03812932	43.1304708	43.70200538	51.20313442	35.18052388	48.8949627	33.85836552	28.83876497	34.99721585	32.6083993	42.60421576	43.70629349	41.6768987
Ahrp3a3	173.066635	231.340665	281.938066	261.5149643	219.1438825	239.1817667	225.5161787	180.1859128	126.695673	182.6455115	205.2539416	237.7072011	289.7086727	231.3099908	241.438068
Proser3	73.25571853	57.0428661	97.985161	61.245688	74.10349598	63.1271521	64.0459475	61.846215	59.44071568	63.79484373	63.79484373	63.79484373	63.79484373	63.79484373	63.79484373
Cm3870	5.494178889	13.48845414	6.26529036	5.17665518	10.1338119	7.175540863	9.92711863	12.5711102	3.00969845	13.9824315	1.891174398	9.542809199	7.668758836	12.64971561	12.74557613
Hsp16	91.5691382	578.957902	610.865907	610.7244981	572.5603728	607.961451	608.710059	560.761472	551.4201424	653.802211	653.802211	653.802211	653.802211	642.3877107	642.3877107
Lin37	282.928692	282.87357	282.87357	282.87357	282.87357	282.87357	282.87357	282.87357	282.87357	282.87357	282.87357	282.87357	282.87357	282.87357	282.87357
Psenen	709.6647732	736.0145569	687.6156166	684.9181792	700.9388802	697.297883	734.2806778	661.2403963	582.3865039	519.9716715	640.3544631	720.9158635	725.9758365	811.3920771	727.9070257
Uz1a4f1	394.6651836	420.6420646	473.0294219	459.7708207	495.3881726	496.600764	455.542681	493.6259937	432.6381205	453.5551219	394.160219	392.122704	481.473681	414.7315851	452.696373
Igf1r1	110.7992743	140.2303755	140.96903	146.3888022	159.3399137	157.817813	136.217103	158.606641	131.6724715	154.580932	160.7800188	144.070813	160.801885	159.921733	155.7730538
Amc1b	26.45447135	26.24.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426	26.04.76426
Mir559	1.831392963	0	0	2.587822699	1.266726489	2.102284417	3.608258859	0	0	0	2.837612096	0	0	0	0.71856672
Zbht32	2927.481625	228.738986	2167.700443	1979.68818	220.839158	2151.23705	2433.7706	2021.43519	1931.440723	1889.89233	2020.379813	2010.359139	2038.34351	2087.211245	2389.949425
Usp1	34.7964623	22.1833624	27.60504317	27.60504317	27.60504317	27.60504317	27.60504317	27.60504317	27.60504317	27.60504317	27.60504317	27.60504317	27.60504317	27.60504317	27.60504317
Cox1b1	2008.384126	2008.384126	2008.38												

Vps3b	433.1244358	422.2756055	434.6545184	376.097707	353.4166903	380.1657407	414.0477041	476.0260394	478.535382	500.7458282	405.7785298	394.7252884	442.2317596	404.7924839	421.7980494
Prc1	21.61714569	2338.754749	2229.660205	2154.79833	2300.562561	1972.37281	2100.2480721	2105.2411921	2298.586519	2303.65699	2411.970282	2205.256446	2275.971026	2297.07952	2139.888571
Rcc1	55.8573837	61.0269889	63.4363645	63.8330975	62.0685974	71.6483446	71.26311247	72.9124391	62.0437217	68.1380083	67.42746612	75.20843152	75.20843152	75.98858071	91.9784067
Unc5a	124.429782	1109.168612	1217.626256	1215.41645	1066.58703	1056.58703	1204.359075	1205.151465	1205.151465	1205.151465	1205.151465	1188.061161	1188.061161	1066.139195	1113.191015
Hddc3	20.14532259	6.71482094	24.27800313	13.8017501	16.46744435	15.79352014	18.0412943	20.11377631	20.11377631	20.11377631	21.84754922	32.9660804	28.85836802	13.55331977	17.9641418
Man2a	92.21063569	1059.254305	1008.71147	996.313787	889.241993	937.087504	962.503507	980.653867	1062.48071	1132.576952	1092.480657	937.978829	924.511482	983.250157	968.626528
Bes	46.70025056	36.44405329	58.73709709	32.77915795	38.6351579	24.5484482	50.51565402	49.44836707	32.3530727	50.6863142	69.99443171	32.0985399	29.82295103	16.2639373	43.83205959
Fut7	92.5171477	3250.651031	2290.064059	3015.964291	2944.329237	2944.329237	2944.329237	2944.329237	2944.329237	2944.329237	2944.329237	2944.329237	2944.329237	2944.329237	2944.329237
Fln	1198.446684	1174.132927	1128.354525	1035.13304	1154.621194	1107.071482	1125.108171	1067.706293	1114.325316	1112.472746	1135.990709	1046.238896	1179.284692	1027.341369	1107.33097
Crtc3	869.9116575	869.0483316	955.135396	955.1285942	948.7067473	802.3673096	981.4042964	981.7983108	735.1089578	735.1089578	992.0019396	936.6657471	860.1840283	992.39139	
Kim5880	0.19966482	3.16904834	0	5.175665518	0	4.82823617	9.514323974	0	0	0	0	0	0	0	5.748525376
Iqgrr	9215.95979	9244.953377	9430.569562	9853.78479	9430.569562	9853.78479	9430.569562	9853.78479	9655.50739	9616.05672	9189.205301	9795.303712	9692.698999	9646.3949	943.965678
Zscan2	77.83420083	72.05984277	66.56871003	84.53572313	76.3695256	76.45399562	105.151716	72.07435612	82.76555438	86.16435547	70.94030241	69.40224685	62.20215501	108.4265582	65.38947615
Wdr3	547.586496	607.6649605	502.7895511	530.5047931	491.4898776	455.9183237	529.51543634	501.1078056	598.6228487	566.5765486	448.5120309	568.3402382	487.0159572	453.414399	
Nmb	24.723805	42.7821446	38.37490433	34.4393434	39.26852115	41.38355516	59.53627118	33.52290522	59.44071568	32.33437285	38.8895725	51.18415827	54.5339617	59.634607	35.20917193
Sec11a	1699.53267	1658.969646	1743.317042	1601.003983	1581.580021	1707.940182	1742.818951	1667.79573	1466.455125	1483.885543	1504.823368	1702.090145	1583.865622	1643.7668	1627.551247
Lyp9d	1040.30556	1534.436524	1650.944059	1593.042828	1570.74846	1596.415546	1782.377812	1907.632631	1465.255478	1236.571286	1403.672117	1715.103056	1898.975001	1533.62681	92.360359
Alpk3	504947.8889	6.71482094	11.74714492	1.275218389	13.9399137	4.90989864	7.216517718	10.8946217	22.57242368	11.73131782	16.70818018	9.542809169	16.1896019	17.9163383	72400.22392
Slc28a1	0	4.735372051	0	0	0	0	0	0	0	0	0	0	0	0	0.867528106
Pde8a	71.24423556	0.56715617	137.0532265	131.1166318	109.5718413	88.37801352	118.1704776	156.1798404	135.434521	148.563347	156.066653	123.189911	153.357167	123.7869873	110.691135
Rps17	11550.9998	11487.00086	11640.9998	11154.40241	12291.0840	12589.65045	12552.15322	11252.6564	10762.53161	11453.3592	10571.9968	11442.65972	11501.43499	11940.47472	11551.72166
Zgfr	2.74708984	0	3.13264578	0	1.900089733	2.805651223	3.611453003	0	0	0	0.873091969	0.945870699	0.147262531	0	0.718565672
Zn9007.6A07iRk	9.156964816	10.29904611	11.74714942	21.56523549	15.20071786	9.81977928	7.216517718	16.76148026	2.21000955	8.739019689	9.458706988	17.35062313	22.15419219	18.97467468	19.40127314
Mir183	0	0.792262009	3.915806472	10.3511304	1.900089733	0	0	0.83074013	1.504028245	0.873091969	0	0.986752106	0	0.903554652	0
Fsd2	28.38659039	11.88393103	24.27800313	3.95698621	32.30152546	30.16075058	28.86607807	28.18398462	15.80069657	25.343317	22.7008677	24.29076898	23.85836082	28.9174885	13.65277477
Whamm	416.841891	427.821464	341.5406474	335.555042	443.345471	427.059812	415.861524	303.2225472	415.861524	303.2225472	415.861524	303.2225472	415.861524	303.2225472	415.861524
Fam103a1	601.6125884	663.1156631	643.7585841	662.13277123	640.33024	741.294569	671.136478	679.870246	676.420962	661.5437905	640.4911784	628.520895	725.6610428	616.5293465	
31100400.1N1Rk	197.79004	24.71030643	33.2820658	226.0036679	253.3452977	249.001546	225.5167187	245.556585	294.946361	260.2408647	194.8493639	267.1985657	32.2619108	282.0469135	
Btbd1	1612.5041504	1571.055655	1580.414942	1473.338889	1572.640936	1633.590425	1717.531217	1639.27277	1695.198018	1648.179113	1647.991324	1768.666886	1636.853699	1641.169699	1644.078257
Thm1	265.480102	296.5317292	260.005948	135.7530113	275.5310113	270.216889	322.030432	172.8458467	163.1325001	165.167421	146.7411053	89.0112425	53.163663	380.613663	292.7517071
Htgr1p3	977.044159	1052.91620	1082.45748	980.7567138	801.737957	907.013732	1005.154704	1004.124146	1161.34117	1020.54444	980.2631625	910.3889781	955.66252	960.183486	
Snhg3	59.4747889	3.915806474	7.76348777	2.533452977	2.805651223	2.76610494	4.193070065	2.257242368	0.873091969	4.729354394	3.870114245	4.260421576	5.421327909	7.18565672	
Exo2	0.91596482	3.16904834	0	7.76348777	1.26672648	0	0	1.676148026	2.257242368	0.873091969	5.675224193	0	0.85024315	0	2.155697016
Straud	918.43571	814.453447	786.293937	797.913132	773.968845	807.3261394	833.5077965	913.500672	983.1155635	855.5500276	904.252388	726.988551	749.421366	737.3005957	826.350228
Hncb3	103.71862321	92.364591	97.986138	792.0378879	792.0378879	110.051895	110.051895	110.051895	70.7289237	77.7772723	73.777914	96.2956161	121.84809	94.0580921	
Tmc3	3.662785926	1.58452407	1.56632589	0	1.26672648	0.701412806	0	0	0	0	0	0	0	0	0.903554652
Stand5	230.7555134	16.00369257	222.417870	269.610409	155.8075851	184.4715697	232.6737134	251.3502214	209.1711261	232.4579237	149.4475704	160.426997	172.1210317	164.448466	157.368822
Il16	2368.907198	2360.148523	2474.488658	2445.497705	2611.356656	2567.170869	2774.751063	1522.780482	1903.8077	1600.988407	1498.598499	2496.74589	2555.40049	2483.362962	
Ucnl1	1293.952707	1108.3586709	1275.626987	1275.626987	1275.626987	1275.626987	1275.626987	1275.626987	1275.626987	1275.626987	1275.626987	1275.626987	1275.626987	1275.626987	1275.626987
Hsd17c2	667.723612	122.717572	704.788478	716.8242077	726.3347266	741.3933536	746.173133	765.704555	764.4527395	900.731946	904.592388	758.3550405	667.723612	717.8471063	
Ahm17c	104.11469	827.1215369	998.5306505	967.8477688	944.3445972	1006.527376	911.0853619	1009.04112	1047.360459	1005.861166	953.4376644	943.8705796	935.588578	987.229769	968.625258
Abnt2	6.409875731	19.0124822	15.6302788	4.31047098	13.9399137	17.53532014	14.52328829	6.740592104	2.257242368	8.739019689	9.542809169	16.1896019	16.1896019	16.1896019	16.1896019
Fah	123.619025	149.7317396	133.185148	142.3305542	91.8376724	115.733119	104.6359059	111.4638437	142.968883	123.246756	125.800629	85.0175442	90.3209374	106.619489	97.7493139
Zband6	97.0532758	855.4364594	991.237553	636.657179	841.696367	841.696367	841.696367	841.696367	841.696367	841.696367	841.696367	841.696367	841.696367	841.696367	841.696367
216206C6.17Rk	3.662785926	3.96130413	3.13261578	4.31047098	8.237271216	6.132715521	4.631453003	0	0	0	0	0	0	0	0
Ctsc	1670.230382	1597.200209	1735.484259	1554.422174	1523.871692	1584.179475	1500.132631	1635.28929	1621.452349	1476.89437	1736.618603	1486.075646	1661.56414	1602.905952	1314.25614
Trim135	471.563988	473.7728811	487.909485	465.800966	450.3212667	396.999648	486.2138261	420.7131546	420.5994945	398.4992798	415.2372368	392.9902321	421.5746009	402.985734	465.6305554
ITRm	58.0515693	549.826339	559.960396	577.0857017	573.8270993	577.2520551	563.704467	661.2403663	513.8988457	588.1360251	626.1664205	57.7371788	565.793953	662.3055956	553.2595674
Fsd	1885.419598	1780.40659	1775.730304	1835.101559	1715.730304	1827.100559	1786.098129	1841.263955	1947.327489	1904.330718	2038.351298	1909.425395	1719.56114	1803.49598	
216206C5.05Rk	0	0	0.70484515	0	0	0	0	0	0	0	0	0	0	0	0
3110010.17JrK	25.63950148	21.3017423	32.1096307	23.2905433	18.36753408	16.83397034	33.3763945	25.1422309	32.6706213	20.9736475	13.24218978	25.15831508	25.56252945	30.72885518	28.74262688
Pcam	4369.408024	440.361256	4148.405377	402.34774	4144.095707	413.913084	443.913084	3822.735909	3552.147073	3555.70371	3988.736737	4415.718061	4398.086307	4594.50404	4266.84296
Yjlt	92.51714569	2338.754749	2229.660205	2154.79833	2300.562561	1972.37281	2100.2480721	2105.2411921	2298.586519	2303.65699	2411.970282	2205.256446	2275.971026	2297.07952	2139.888571
Crefz	928.5122343	1051.679985	946.0588437												

Fam160a2	363.5315032	360.4792139	387.6648408	332.967236	329.882503	412.4307298	422.1662805	297.5162746	277.6408112	301.4961793	297.9492701	376.5071981	469.2734459	412.0209211	356.6900076
Prncdtp	19.22962611	18.90655021	19.57903236	19.84001665	22.16771395	18.2673295	28.68607087	63.54169901	30.0956449	34.95607874	16.07990188	28.6284751	17.89377062	31.62441281	14.37131344
Smpk1	83.1387586	78.65328362	80.97897785	70.0215081	80.76411966	81.76311561	85.15227845	88.37102121	49.53770023	55.23608643	53.34707471	68.05165583	79.4242587	78.2262421	78.2262421
Apb1	74.7203456	76.7829863	78.7829863	78.7829863	78.7829863	78.7829863	78.7829863	78.7829863	78.7829863	78.7829863	78.7829863	78.7829863	78.7829863	78.7829863	78.7829863
Trim3	77.8342003	78.43393884	83.19610404	71.59685183	50.0359663	77.15540863	75.77340634	82.11235238	48.15450385	80.39898114	53.91462983	78.07752957	106.5105394	90.35465168	87.66501198
Arfp2	567.7318186	517.1721046	566.527804	590.024843	598.5282658	559.727419	580.0276116	788.6276463	681.6871951	727.960341	804.9395647	556.0855161	613.5007609	606.2851212	579.8824973
Trimn10b	518.2842006	576.7661429	521.5854231	575.2290323	567.4836619	553.4741037	564.1102002	692.2491348	734.5748	690.3825554	586.4393832	582.1113959	573.4527441	681.2802073	563.1761958
Rsp1	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929	1001.875929
Ilk	172.0593689	174.7666949	167.5182009	175.797997	167.429463	172.129189	174.4515938	166.3576916	161.847272	147.503013	188.680687	192.3221452	189.023631	181.0765493	181.0765493
Taf10	714.486101	721.585354	1641.506074	174.973103	165.878247	130.919288	178.057473	161.093191	195.524305	187.102415	164.958499	164.958499	164.958499	173.555983	172.860991
Top1	518.2842006	515.765364	524.7180673	564.599673	503.552792	468.5437542	493.414637	493.450472	544.748247	506.863142	592.1150574	498.8266611	564.3276852	485.2088479	570.5411435
Arfp17	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515	1016.472515
Smk15645	27.07089445	1.584524017	3.56632589	2.58762529	2.533452977	3.608591223	3.608591223	0.83807403	1.50438265	2.621705907	385.551134	0.672896144	5.112505981	93.1549432	1.43731344
Gm4759	152.921314	186.838405	197.566258	255.323882	182.408614	158.5192941	252.5781201	165.3986546	248.266605	166.9152761	214.7182169	216.0144985	263.2940534	232.213455	262.995039
Gm1966	1935.78262	1925.425292	0.2812662	2153.9531	243.113961	2126.88632	2796.142299	1371.927019	1649.29172	1406.98217	1396.10551	2436.88641	2366.238143	2239.918101	2202.403785
Pfpnfp2b	1531329563	0	3.915806472	3.450347679	8.87068452	4.9098964	2156.177128	25.14222039	14.25968326	10.4868236	32.15960376	7.80775297	6.8167452	9.93101167	5.748525376
Nfp10a	597.084945	4.753572951	0.06289242	0.06289242	1.16841221	10.5211902	4.51032293	2.514222039	0.25414232	0.25414232	0.25414232	0.25414232	0.25414232	0.25414232	0.25414232
Eruf	7331.066031	681.076487	7281.833716	701.877191	7397.04933	7759.72987	7860.437348	7112.734149	692.47147	6941.403339	6803.647936	7488.502163	7138.762392	73.6743965	7212.24365
Tstb	393.066034	3.96130410	0.78316294	5.17565518	1.266726489	7.014128057	7.06194144	6.70459214	0.53379772	3.45607678	3.783482795	5.20516838	6.8167452	2.71066395	7.90422392
Ric3	0	0	0.78316294	0.82620942	0	0.701412806	0	0.701412806	0	0	0.94587069	0	1.70416863	0	0.174655672
Lmo1	0.91596462	3.16904034	3.12645178	2.58730259	6.96985687	7.014128057	4.510322974	0	4.51448745	6.11737032	6.11737032	11.2778556	5.112505981	10.4625582	0.710565572
Trm160	12.1875074	3.17014723	48.4556982	17.1000076	9.81977298	13.45343003	98.05456953	88.0324534	55.0582404	17.0556213	17.0556213	17.0556213	17.0556213	17.0556213	17.0556213
Rfp27a	159.0215776	15302.54609	15639.7310	15503.6719	15827.74747	16081.98219	1427.98964	15875.36083	14961.00241	16099.02207	15455.5272	15222.3831	14839.5271	15725.46516	15430.47924
Snor3a	6.40987573	10.29496011	9.39793534	2.58782829	14.56735462	6.312715251	15.3351005	15.0853322	6.0319281	19.2258432	6.62109489	19.9314644	19.5979325	6.32485261	16.52701046
S5	5.64718586	2.736786026	1.714741842	7.76348777	12.03930414	4.20847683	11.72884129	11.73036818	12.79100408	6.41054769	34.07112425	7.68875836	4.51773258	7.18656672	7.18656672
Apk1	419.266585	419.266585	336.753916	400.265178	404.337761	386.083659	386.083659	386.083659	386.083659	386.083659	386.083659	386.083659	386.083659	386.083659	386.083659
GSMC010	3.66279809	0.79262009	4.89899777	4.31047098	1.266726489	0.701412806	0	3.352296052	3.70270613	0	1.735056212	3.68877861	2.71066395	1.43731344	1.43731344
Asc13	0	0	0	0.266726489	0	0.902064751	0	0.902064751	0	0	2.837612096	0	0.852084315	0	0.852084315
Trimn9b	597.034106	712.2435456	845.0310388	722.004082	735.3347266	766.6441966	734.2806778	687.0872088	652.3430443	666.7872023	717.9158604	704.4328223	717.9158604	712.5932271	721.4393947
Nfp1	12.86857378	14.26071167	8.62661997	13.30682813	14.0285611	9.020674478	15.0853322	20.31557531	20.31557531	20.31557531	20.31557531	20.31557531	20.31557531	20.31557531	20.31557531
Arndda5	4972.725949	4317.625949	4607.631065	447.5377902	517.477706	525.3881915	572.1103939	545.818625	573.3395614	566.284817	545.2951436	543.0725945	540.439146	593.6354061	524.5529405
Trimn41b	5380.78949	4975.042226	5145.369705	4785.75076	4391.740736	4394.89189	4068.446828	5239.312649	5223.528839	5258.268147	5564.551201	4287.323901	468.9601204	4203.336239	4497.502541
Ino7	10.072661	21.901427	0	2.349483883	1.75218839	0	1.40285621	0.51422039	1.50828425	5.24341813	1.735062313	1.735062313	1.735062313	1.735062313	1.735062313
Zfp143	427.6302549	419.5220456	381.3995504	390.180878	393.181873	436.770765	436.770765	436.770765	436.770765	436.770765	436.770765	436.770765	436.770765	436.770765	436.770765
Swep1	506.4645578	563.298288	533.018903	682.324059	518.091133	572.3524895	629.6411785	544.7481085	686.896155	529.5845932	500.3655996	570.8334959	503.5429392	516.8332607	565.511388
Unwaf70	154.7527054	129.138704	132.3542588	122.4905376	89.9758069	110.128105	100.129183	204.490052	176.813904	226.3400699	170.2567258	190.3085414	125.2563943	94.8732382	89.202709
Szf2	49.44761	44.36667248	65.0023847	43.58178402	38.6335179	40.6819473	81.8770684	83.8704131	92.54809338	73.40776539	76.6155266	49.4208928	50.5990460	53.9282836	53.9282836
Adm	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986	17.13058986
Ampd3	6.40987573	10.29496011	10.96425812	13.8017031	13.3002813	12.4462259	12.6289001	0.83807403	6.71772103	10.4868236	10.4868236	19.9314644	17.28126473	16.2639372	33.1904392
Mv1	131.860293	133.8922794	133.1374201	107.038883	135.376715	113.6605141	111.468347	148.977963	130.211394	192.0117519	17.1162943	115.883469	155.414001	132.9346493	132.9346493
Rnf1	39.3749871	37.236314	39.15806472	27.6035143	31.0347989	51.9054762	40.5921217	5.02844407	25.318131	27.0096104	22.7008677	42.5088721	34.9354652	48.7915518	49.3415252
Cr9	1187.658337	195.523371	121.731619	117.301874	115.983036	112.170379	132.993282	122.017837	131.212023	126.813031	152.323285	1152.94853	1202.29969	108.724256	1152.97938
Zfp42	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278	227.04278
170021001AR1	9.15694645	3.96130410	1.56632589	1.75253819	1.266726489	0.701412806	0	3.352296052	3.70270613	0	1.735056212	3.68877861	2.71066395	1.43731344	1.43731344
Up5a7	2086.872281	2039.28241	2018.988617	1910.67895	1897.55628	1926.07562	2156.38745	2190.72547	2218.89247	1989.00881	2110.237529	2170.55322	2126.80241	1983.30246	1990.426911
Mic2a	48.5319152	56.2506206	49.3931615	48.361275	61.43623469	66.63471654	74.87137133	15.0853322	23.324878	27.964863	41.61831075	61.9077096	67.5396728	91.2590781	96.2878804
Trim2	99.801949	118.8393013	97.9238878	95.7494558	76.6595256	90.4627693	103.737442	152.529474	127.158734	122.701776	138.886834	108.4441132	70.7299816	55.1188375	82.6350228
Arfp1	118.074739	118.074739	144.1016762	148.398022	188.474523	182.025351	148.398022	159.234025	148.398022	148.398022	148.398022	148.398022	148.398022	148.398022	148.398022
Bttd10	406.5692738	425.446986	426.039744	364.274675	357.85253	395.805719	393.3002156	349.7328601	445.4291606	409.860234	449.5602126	418.1485472	447.3442655	470.792439	371.9655435
Far1	1776.4514	2.68356768	1856.475249	1643.270044	161.276093	1826.478946	1780.882218	1953.550524	1935.951537	1942.68407	1900.789959	1815.73629	1690.35328	1802.59153	174.958886
Far10s	1318332963	1.37875606	10.10196863	0.345047679	0	1.40285621	3.60825889	8.38074013	3.0096549	1.74780398	4.729353494	5.20516838	3.61246608	8.62278804	8.62278804
Spon1	121.901742	21.901427	0.2812662	24.1536521	26.6029254	23.9480353	1.1862431	17.9992358	18.010363	18.010363	18.010363	18.010363			

Prnt2	8.241268334	9.507144102	26.62748401	15.52699695	20.26762382	16.93955856	27.96400616	9.218814144	15.80069657	20.09974528	17.02567258	19.95314644	24.71044514	24.39597559	29.46119255
Maz	5450.252428	5903.312721	5872.920547	5605.616808	6087.887504	6151.390369	6353.241730	6007.826519	6369.189548	5848.151976	5433.081294	6509.06381	6368.478172	6499.268609	6349.246277
K52	9833.660324	1913.319754	2094.966463	7304.827643	1958.995515	1917.663611	2667.27396	2056.633828	2602.129181	2062.408947	2292.255986	2217.778917	2298.282605	2081.265686	2081.265686
Am457606	700.356239	700.356239	700.356239	686.049294	700.356239	700.356239	700.356239	700.356239	700.356239	700.356239	700.356239	700.356239	700.356239	700.356239	700.356239
Qprt	28.3865903	23.76786026	25.32242825	38.21742388	23.43440044	16.31294453	27.65644243	27.83923524	34.08217679	24.95263817	31.23101183	24.71044514	18.97464768	30.89832398	30.89832398
Spn	5735.007064	6447.422825	6882.214566	6626.565652	6586.97774	5974.634279	6733.011431	6341.700657	6085.525423	5814.943701	6400.330282	6826.786668	6489.474104	6520.085918	6423.971707
Cd2p2	17.04115478	1686.725816	1827.1513	1689.851583	1724.014751	174.252897	171.809676	1769.174242	1681.645554	1768.255524	1737.564474	175.078887	1739.140087	1817.959068	1817.959068
Tdcl1d1b	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047	2051.569047
My1p	75.08711419	10.0117251	28.887355	92.2992079	10.0713926	117.135936	106.4438636	91.35006742	74.48989914	60.29923558	68.10269031	10.41037328	106.5105394	96.84755702	122.8742704
Set1	415.962137	515.456627	5048.257704	5063.512793	5659.733951	539.83622	5460.197719	49.12614816	4741.932417	4852.777633	4770.017893	4567.889093	5071.74322	50.9054667	5351.158559
Km4532	7.325517853	1.58454021	0.78361294	0	1.266726859	3.570670289	0.902604719	1.677189026	0	7.86511772	0	3.470112425	0	0.930554652	3.56292836
Zp7b5	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723	486.4408723
Zp771	303.0955354	297.095232	298.796679	362.9985823	301.480043	361.9290077	294.9751617	401.4374523	419.046663	394.129788	380.2402009	360.8165922	276.9274024	295.4623711	360.7199573
Dc1p1	996.277719	1025.187309	1036.905514	1071.837115	1174.255455	1141.898635	1092.505472	1122.1811034	1081.890638	1092.505472	1013.973389	1081.890759	1066.809563	1063.666251	1041.201659
Hep2	1841.455624	1095.39013	1480.429042	1060.773904	1841.589695	2028.485625	2028.485625	2384.320567	2096.97816	2028.485625	2085.644891	1882.359901	1938.14921	1768.683011	1809.348301
Segla	10029.6258	10208.5968	10050.3089	10297.83125	10815.94412	10044.23103	11894.62579	10597.57979	11015.45546	9049.254888	9653.56532	11426.21269	11928.13423	11348.64642	11900.16609
Zp7f08	45.78482408	49.91259564	52.41761737	46.8889008	35.47345659	34.27845916	46.0407072	47.1070532	43.51005214	51.9714322	54.35507168	51.9714322	54.35507168	54.35507168	54.35507168
Zp747	184.9706983	176.674279	14.1066782	92.2992079	115.9054737	113.6288475	155.1551309	125.711102	161.0166222	163.4196622	121.0714494	126.6591035	107.3626237	143.6651896	124.3118613
EP30119022Rik	79.6655939	60.21191265	76.5656657	61.2452688	65.23641416	71.54410618	70.36104775	99.73080752	62.92094176	62.92094176	62.92094176	62.92094176	62.92094176	62.92094176	62.92094176
E43018123Rik	82.41268334	76.43393884	97.8951681	67.2835437	96.11730286	82.76671107	89.30440676	86.66518901	81.26072524	54.18192027	50.13114703	71.13730471	72.2716679	60.53816166	68.26373884
Zp7b5	195.9500471	232.925035	181.693403	190.356817	145.9407277	170.433118	165.9799075	217.0511694	255.8209201	207.114766	250.393411	142.2746094	171.289473	138.782023	170.300643
Zp7b8	115.37767	97.14882094	116.610329	89.10137964	107.6717515	117.8373514	105.1457116	128.120926	129.4152291	127.586875	104.916476	117.1162943	105.545492	121.97987	93.41353736
Zp7b9	152.5320793	139.381137	177.776138	132.8418506	164.674435	135.3767515	151.5468721	115.6542738	161.0166222	131.9591973	127.6925443	138.400472	139.376699	137.340307	185.3899434
Prnt14	822.2954404	796.223185	824.6688431	779.7989154	800.7409527	710.512607	752.319721	710.4309591	646.327313	702.051317	810.6111888	792.051361	828.2595643	779.7676643	870.183028
Frs	1796.596497	1572.483563	1866.186784	1881.351144	1977.484887	1653.1229847	2007.010762	2009.701483	201.8832576	181.342388	1768.022281	1760.406129	1889.332776	1887.811231	1887.811231
77000870Rik	11.0946123	11.0946123	6.25039265	18.11473968	13.5857323	29.61455293	29.61455293	29.61455293	29.61455293	29.61455293	29.61455293	29.61455293	29.61455293	29.61455293	29.61455293
Scap	2777.30429	2795.100366	2771.607821	2924.245323	2570.18045	237.798411	2836.955928	2980.19179	2945.70129	2799.970066	2771.486518	2799.513199	2801.14701	2561.571737	2829.711616
Snor3	4.578482408	3.169004304	3.13264578	2.58782259	1.90089733	1.402825611	1.80412943	0.83807403	1.266888958	3.495607876	2.83761209	3.495607876	3.408337621	6.42130922	6.467091048
Tmem265	85.0317279	95.02375106	97.11200052	93.1681732	113.3720207	98.1797928	124.489306	132.125328	95.5569357	126.7466736	95.42809169	95.42809169	98.938487	82.2347329	93.41353736
Phk2	27.8775515	294.420611	291.3380015	328.668306	326.543076	286.176407	297.1170323	297.1170323	257.3352609	286.176407	296.075287	286.176407	296.075287	296.075287	296.075287
Zp7b5	45.78482408	49.91259564	52.41761737	46.8889008	35.47345659	34.27845916	46.0407072	47.1070532	43.51005214	51.9714322	54.35507168	51.9714322	54.35507168	54.35507168	54.35507168
Rm140	181.121337	1822.949618	1596.336914	1859.78909	126.4253647	198.364024	199.874731	2030.653334	1898.340831	2046.678471	1918.33436	1889.476215	1926.52637	200.041632	1999.768265
770012004Rik	4.578482408	3.169004304	3.13264578	2.58782259	1.90089733	1.402825611	1.80412943	0.83807403	1.266888958	3.495607876	2.83761209	3.495607876	3.408337621	6.42130922	6.467091048
Zp7b29	49.692326	54.66607859	50.1223285	37.0220055	38.00179466	43.4879395	40.5653005	33.52296052	30.095649	42.1819648	32.15960376	40.773821	39.8229033	53.2386314	40.958423
Bc7c	782.004758	833.495948	782.004758	782.004758	782.004758	782.004758	782.004758	782.004758	782.004758	782.004758	782.004758	782.004758	782.004758	782.004758	782.004758
Crt1	0	0	2.34948383	0.8626042	0	1.402825611	0	2.51422039	0.75241123	0	0	0.867528106	0	0	0.71856672
Fblx19	307.6140178	335.910916	248.2621304	269.9967484	253.3452977	263.098657	263.098657	283.1494255	255.1793749	223.199166	267.189567	285.446256	245.766852	252.216559	252.216559
Orad3	308.5897143	362.556598	399.4122602	352.8075258	307.1813353	334.5739083	386.0836979	352.7153832	241.5249333	301.8832576	341.8600739	319.5316182	301.178653	362.1570987	362.1570987
Hed1a	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104	2223.213104
Hed1b7	12.7150704	0.28267541	10.96425912	10.35131304	11.9240771	23.45868268	19.2570723	19.2570723	19.2570723	19.2570723	19.2570723	19.2570723	19.2570723	19.2570723	19.2570723
Stx1b	0	1.58452107	0	0	1.266726859	0	0.83807403	0	0	0	0	1.735056213	0	0	0
Str4	88.5628012	81.6143928	840.332069	785.8731813	804.3713202	875.3631815	836.2139906	717.391352	688.4599222	680.769638	716.9699897	815.4764199	791.5863288	765.3107899	74.6137944
Zp7b5	45.78482408	49.91259564	52.41761737	46.8889008	35.47345659	34.27845916	46.0407072	47.1070532	43.51005214	51.9714322	54.35507168	51.9714322	54.35507168	54.35507168	54.35507168
Zp7b5	45.78482408	49.91259564	52.41761737	46.8889008	35.47345659	34.27845916	46.0407072	47.1070532	43.51005214	51.9714322	54.35507168	51.9714322	54.35507168	54.35507168	54.35507168
Prss58	4.578482408	3.169004304	3.13264578	2.58782259	1.90089733	1.402825611	1.80412943	0.83807403	1.266888958	3.495607876	2.83761209	3.495607876	3.408337621	6.42130922	6.467091048
Vkcor1	162.9939737	143.3994235	150.3669685	127.6661941	133.6396445	126.254035	140.1859128	126.4055726	147.6894327	120.0713201	120.5864068	135.4814061	147.2794082	100.5991941	100.5991941
Kc2	825.9582254	898.4521176	96.069082	940.024508	860.1072857	886.585784	924.6135749	1081.219304	1081.219304	1171.90254	996.0018458	890.5878814	798.4033003	922.529293	926.947168
Ka8	397.1942891	351.764318	380.2541955	352.8075258	355.31676	372.0741998	379.7862449	404.7897483	385.673236	380.9215132	372.6730553	347.878776	331.460798	342.4472129	382.955532
Frs3548	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148	25.6380148
Frs	11958.9905	11509.96248	11868.02626	11565.871	12048.469	11626.8167	12097.58899	11915.73632	11482.59192	10952.61338	11387.3374	12285.9334	11499.7292	12143.7792	11823.9914
Pgam	854.3418713	923.7775019	93.1072954	91.624706	105.450779	1047.910732	1033.76163	864.8921851	929.983855	834.5768033	882.497362	1055.781705	948.3698428	987.584232	

Cd151	75.0871149	92.694655	63.43606485	62.10787821	57.63605523	57.5158007	56.83007703	72.07436512	57.18347332	59.42533389	61.48159542	59.85943933	58.79381775	59.634607	67.54517316
Polr21	685.8569647	686.0988994	730.6894878	768.5840929	696.0662055	661.4327258	688.2575374	853.9974193	750.1588802	889.6323408	784.1268093	659.3133608	673.1468038	729.1668038	651.0204988
Tspan41	280.333234	274.0959658	279.5885821	272.9545766	209.8342339	265.1346456	255.0985151	287.4221948	325.0985151	325.0985151	280.333234	280.333234	280.333234	280.333234	242.1566315
Chd41	270.9536993	264.0452936	283.7331249	280.3123934	280.3123934	280.3123934	280.3123934	280.3123934	280.3123934	280.3123934	280.3123934	280.3123934	280.3123934	280.3123934	280.3123934
Ap2a2	1606.131629	1710.493676	1841.741169	1595.827426	1439.634654	1387.39453	1449.617997	1645.977362	1604.146909	1670.900565	1608.926059	1480.874077	1344.589049	1366.174633	1464.336839
Mpi15982	0.150596482	0.792262099	0	0	0.069609594	0	0.03807403	0.390564978	0.009899471	0	0	0	0	0	0.63482569
Muc6	0	1.584524017	0.78312194	0	0	2.104238471	0.902064715	1.676148026	0.928999471	0	0	0	0	0	0.614216696
Muc2	9.15696845	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698	6.33809698
Tolp1	102.30948	102.653729	1188.38845	1023.34014	1083.05148	1187.150909	1185.313035	1092.10439	1133.888033	1105.485991	1247.603452	1187.645977	1208.203569	1155.646399	1251.714101
Musp	577.804744	570.428641	552.911849	670.241235	566.741547	591.924529	586.6518091	598.1692275	586.109459	538.204276	660.188889	643.236579	611.706491	645.903931	645.903931
Do2b8	10.0726613	10.29940611	10.968738	10.34547679	6.333632443	14.02825611	9.752711863	0	0.369509845	5.675224193	6.205294319	5.112505891	5.112505891	5.112505891	5.112505891
Chd1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ctsd	3068.48891	371.074846	3384.797695	3599.68108	3394.139626	3266.479436	3428.748791	3138.587179	3272.49019	3471.13862	3650.115027	3604.575282	4696.103945	3760.5944	3283.845121
Hsp1	4060.19891	4561.075823	4506.310088	4658.216251	5446.923901	5079.292908	5471.64191	5031.796374	570.74277	4392.23149	4801.432065	5706.599883	5505.313676	5638.181026	5295.110437
Pr3r3	19.22962611	19.507144102	12.6254035	31.0539391	12.6254035	9.020647148	13.8468125	21.82009955	14.85633742	24.59263817	24.59263817	24.59263817	19.59793925	34.35607676	14.37131434
Tnm3	0.15964682	1.584524017	4.698987767	0	0	7.600358931	14.02825611	14.02825611	14.02825611	14.02825611	14.02825611	14.02825611	14.02825611	14.02825611	14.02825611
Mpi123	848.5152111	812.1362541	837.5937465	817.515896	940.594755	909.2812325	907.9033486	907.9033486	907.9033486	907.9033486	907.9033486	907.9033486	907.9033486	907.9033486	907.9033486
Hg19	95.23243408	107.746332	107.2909373	106.887699	27.86798275	56.11302446	54.12388299	263.9933411	198.6373284	349.5607876	175.9319	78.0752957	86.1667452	50.59909404	12.2156142
l12	0.150596482	0	2.34443883	2.88728259	0.633632443	14.02825611	0	0.028444078	0.876553448	3.469509845	1.89174398	0	0	0	0.112505891
Tspan32	104.389399	101.4095371	114.341549	109.551363	193.8091527	206.918777	226.4162434	102.2450296	103.797673	74.70776539	74.7237852	207.339214	246.2523671	210.528238	191.3384687
R74652	2.47400845	4.753572051	1.565325589	0.06260942	0.633632443	3.507694029	81.11854232	1.676148026	0	0.873801369	0.945070699	3.470112425	0	0	2.71066395
153	78.037009	134.685414	148.80646	127.661044	134.140032	169.040462	160.557152	172.742056	182.839372	200.9974258	139.042927	146.61225	180.641878	143.655189	129.343121
Tsc4	388.255399	399.300523	400.978828	483.162175	488.956426	493.7945152	466.3674575	382.99824	416.837427	429.9597687	501.3114703	463.2600088	439.6755066	422.863769	454.1335047
Kcnc101	15.2469995	60.21191265	59.52025838	37.9548146	45.60215359	32.26489096	59.32053493	68.7452319	41.6590041	60.53572472	77.21000146	40.04796281	38.85285002	51.0186271	51.0186271
Cdc16c1	58.9417889	23.76878026	10.1810983	6.03856958	10.13381191	11.83864741	11.72884129	8.380740131	6.03129881	4.369509845	3.784827596	13.0129159	5.112505891	15.3640288	79.0422392
Nap14	337	336.098496	325.098496	325.098496	325.098496	325.098496	325.098496	325.098496	325.098496	325.098496	325.098496	325.098496	325.098496	325.098496	325.098496
Cars	2280.02494	2136.730637	2371.76464	1989.177322	1032.562561	2041.816368	2068.821626	1688.719136	1853.949838	1905.041684	2005.724982	2061.191958	1790.0281	1893.40524	1893.40524
Tnmfr26	131.3805646	225.0204104	223.2006989	221.6906209	179.8751614	158.5192941	155.9592604	199.4616511	237.0104486	286.8625706	177.8236914	186.5185429	161.8960199	221.3708996	217.0186299
Tnmfr22	126.3661145	144.9839476	115.1247103	155.2699955	124.1391959	127.6571306	123.8106662	169.2931716	120.5984717	120.5984717	120.5984717	120.5984717	120.5984717	120.5984717	120.5984717
Tnmfr23	21.0613088	120.2994061	3.333632443	15.52699955	10.76717515	13.20685161	8.380740131	5.454848735	13.8624315	16.07980188	26.89337129	11.0770961	16.2030849	18.40127314	18.40127314
Tnbp95	23.4145295	202.8190742	292.1105129	292.1105129	292.1105129	292.1105129	292.1105129	292.1105129	292.1105129	292.1105129	292.1105129	292.1105129	292.1105129	292.1105129	292.1105129
Mrgpr9	9.54717889	9.507144102	5.84212061	3.43070881	7.90081766	15.96551223	18.94335901	14.2742882	0	6.117313782	14.18806048	7.80775297	11.0770961	17.1673388	8.62278804
Nadyn1	97.0638705	142.6071651	11.9120651	107.826175	157.707478	131.8656705	111.8560246	78.7789573	93.2993512	103.9943343	82.2907359	105.83429	130.3889002	112.8478861	127.723388
Dhcr7	1398.96624	1508.466846	1498.753819	1402.602916	1535.272504	1546.955382	1476.479938	1464.115301	1424.13934	1448.929464	1462.261971	1638.70593	1639.410242	181.845805	1579.407347
Ctnn	74.0700845	101.4095371	4.502412961	10.74313304	4.502412961	10.74313304	4.502412961	10.74313304	4.502412961	10.74313304	4.502412961	10.74313304	4.502412961	10.74313304	10.74313304
Pp1a1	1298.45711	1391.212087	304.894969	1389.637575	1253.42586	137.954662	147.143667	1396.231306	1397.9854	1392.125636	1460.424359	1418.408454	1492.85172	1426.712795	1479.52719
Fadd	342.0740481	325.168555	334.5909696	384.278012	352.548706	352.1092285	309.4081972	338.581903	304.7271796	332.8005521	332.8005521	332.8005521	332.8005521	332.8005521	332.8005521
Ano1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11nrc1	139.481135	153.496317	147.5062162	122.2394102	174.651788	154.2530662	154.2530662	154.2530662	154.2530662	154.2530662	154.2530662	154.2530662	154.2530662	154.2530662	154.2530662
C2C02	21.8801052	29.31369431	14.8806466	36.2295953	22.16771355	26.6538662	23.4568258	30.1706647	15.0482845	15.0482845	26.84437957	14.72779781	12.78126473	27.1066395	18.68270747
181010010r1k															
Tpcn2	119.9562391	156.075617	176.500751	152.6818673	157.704748	126.25405	132.6035131	170.9670987	112.1007403	158.1762564	159.8521481	161.3602278	151.6710081	181.614485	176.7671553
Iner	195.954071	187.751078	198.9226988	190.566817	146.306904	169.604462	166.881726	166.776728	167.2378646	164.625513	195.795246	195.138299	207.056486	176.1931571	183.1144075
243007622r1k															
Angfr18	293.0228741	476.146497	456.627282	465.800966	565.825047	479.4673651	507.862344	267.3545012	358.149123	243.816942	592.5121696	541.0753091	558.396747	503.715436	503.715436
17x101903	32.04937685	42.78214846	125.7530401	29.32870227	24.70116653	24.5494482	16.23716827	25.8802944	25.8802944	25.8802944	27.15502607	37.30370857	40.90004713	28.91374885	22.9941015
Pe0019B03r1k															
Zp358	218.618683	247.107338	159.7640874	138.8801166	146.306904	159.9221197	159.665445	113.7898056	118.1280172	125.454862	140.5365552	126.595322	157.835885	178.93821	176.7671553
Mcoln1	218.618683	215.095293	244.059861	215.095293	209.6452339	215.095293	215.095293	215.095293	215.095293	215.095293	215.095293	215.095293	215.095293	215.095293	215.095293
Pln1a6	288.444141	327.996475	339.1088405	301.0506875	322.381861	266.5384662	267.792912	376.2952319	364.186325	468.2059959	318.382815	369.3891359	326.1832292	374.327151	374.327151
C230012F23r1k															
Csmap3	54.2952523	30.1059632	48.3570249	27.60350143	47.5022432	76.45399562	45.1032354	28.4951644	27.0880941	26.8437924	30.74112425	24.17044514	58.04128723	28.74262688	28.74262688
Csmap3	0	0.54583046	7.831612945	3.405437679	1.26072489	5.47012806	5.47012806	5.47012806	5.47012806	5.47012806	5.47012806	5.47012806	5.47012806	5.47012806	5.47012806
Tab2	1520.97138	1599.5760182	1606.9016124	1606.9016124	1606.9016124	1606.9016124	1606.9016124	1606.9016124	1606.9016124	1606.9016124	1606.9016124	1606.9016124	1606.9016124	1606.9016124	1606.9016124
Pet10	112.6306672	114.8779912	104.9436135	112.392246	101.9714823	115.0317001	118.1704776	86.32162334	53.6214627	40.39898114	48.23940564	120.5864068	103.102021	126.497512	81.19720393
Sxnp12	1691.291401	1593.238899													

Adgra3	12.81975074	8.71482094	7.831612945	8.626094197	13.30062813	14.02825611	14.43303544	5.028444078	15.80069657	5.24341813	7.56696559	10.40337278	10.22501178	8.131991864	11.49705075
Bar12	234.4182938	184.597048	195.0072637	221.2715904	268.540156	247.5987204	254.3822466	239.6891677	273.877406	241.1969434	242.1428989	189.1211272	260.521887	199.685578	34.9228326
Barr11fp1	588.7362976	588.7362976	574.0572289	574.0572289	637.796787	598.499472	707.2187364	516.253952	604.1885404	540.0714184	516.4545401	684.4796759	679.8362635	640.7375515	455.0249888
483314607Rrk	0.76252000	0.76252000	0.0	0.0	0.0	0.0	1.804128435	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.30494032
Efid4ep1	2460.674446	1910.143703	1959.469529	1752.822341	1747.449191	1997.623671	1750.907161	1189.227025	1306.190917	1404.360464	1195.580563	1553.742838	1607.031018	1837.859945	1662.760995
Intm122	1.156994816	8.71482094	15.6632589	15.6632589	15.6632589	13.9399137	11.22260489	15.3510015	6.019312981	0.0	0.0	0.0	0.0	0.0	12.97820233
Tu2	349.796506	339.0881396	363.3898406	363.3898406	363.3898406	329.348887	341.5880364	280.7547944	309.2422044	331.7306808	309.2997189	307.1049496	304.545221	299.9801443	35.9228326
Hak16	999.9213959	999.9213959	109.6425912	109.6425912	109.6425912	928.2214587	928.2214587	928.2214587	928.2214587	928.2214587	928.2214587	928.2214587	928.2214587	928.2214587	928.2214587
Fut10	6.409875731	1.584524017	5.482129061	0.86269042	1.266728948	1.04285611	3.068258958	9.21881414	2.257243288	2.621705909	6.621094981	0.867528106	0.0	0.0	3.614218606
Wm	17.1589521	71.85641671	733.8212349	639.13958	639.13958	639.13958	639.13958	639.13958	639.13958	639.13958	639.13958	639.13958	639.13958	639.13958	720.1330573
Pvrn	41.20634167	6.713649666	60.90548414	48.3061275	41.18681088	68.6186758	50.51562403	63.63962499	56.43105919	57.75725995	45.40179354	45.97898963	44.30834439	37.04574071	74.2783391
rc15	91.962031939	91.962031939	159.6425912	159.6425912	159.6425912	209.67398276	209.67398276	209.67398276	209.67398276	209.67398276	209.67398276	209.67398276	209.67398276	209.67398276	97.646801139
Ppzb2b	1629.020401	1845.139528	1762.89074	1762.89074	1762.89074	1762.89074	1762.89074	1762.89074	1762.89074	1762.89074	1762.89074	1762.89074	1762.89074	1762.89074	1762.89074
Ubnx8	550.335854	551.335789	572.740676	537.4056684	526.982192	551.335789	551.335789	551.335789	551.335789	551.335789	551.335789	551.335789	551.335789	551.335789	551.335789
Gsr	1889.08141	1819.033572	1938.234262	1706.134762	1507.810486	1628.065305	1717.531217	2109.432219	2285.0891	2143.68153	2235.092461	1892.078	1865.212566	1617.362826	1692.94073
Cht2f2	585.923297	612.068587	668.528756	781.5241342	710.871484	789.790812	764.950871	724.9340213	770.594113	714.6518106	773.869469	876.2033873	738.4509661	776.1534457	773.753589
Rbms	4.7848248	5.5459406	2.58702359	2.58702359	2.58702359	2.89651223	1.80412943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.614218606
Dcm6	622.6736075	624.524889	671.1692294	705.6145053	676.4139439	614.4376178	597.1668412	693.0872088	639.5502462	637.9484373	681.0269301	609.0047364	685.0758994	6793.0264178	624.435698
Mboat4	0.015696482	10.29490611	5.482129061	1.75281839	1.90008793	11.22260489	11.22260489	11.22260489	11.22260489	11.22260489	11.22260489	11.22260489	11.22260489	11.22260489	3.92928396
Lepront1	204.459598	2002.83857	1887.41872	1815.79208	1834.219955	1934.496518	2024.2332	150.4389424	1716.256614	1573.023544	1710.134223	1881.66843	1698.65036	1839.637271	1481.68317
Sar4	3710.422402	3678.122357	4034.063823	4034.063823	4034.063823	4034.063823	4034.063823	4034.063823	4034.063823	4034.063823	4034.063823	4034.063823	4034.063823	4034.063823	4034.063823
Mir395	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dns4	2574.738906	4989.877047	17123.752334	1845.984158	1207.823707	1402.062344	1438.73922	1811.077942	1595.870354	1905.190262	1747.023181	1131.256651	1358.222398	1118.793549	1286.95114
Tnks	735.3042747	809.691727	776.171618	728.0423502	68.4301502	660.029450	737.743604	837.235939	1595.870354	1905.190262	1747.023181	1131.256651	1358.222398	1118.793549	1286.95114
Ppp1r3b	358.953028	239.261266	268.799679	180.285387	175.416187	233.570448	236.340953	75.42666117	31.60139315	78.6511772	84.16249219	169.1768019	133.021078	158.228766	168.8629329
At1	193.13136	1983.9956	1987.841462	1987.841462	1987.841462	1987.841462	1987.841462	1987.841462	1987.841462	1987.841462	1987.841462	1987.841462	1987.841462	1987.841462	1987.841462
Min16793	735.3042747	2.37678606	5.482129061	7.76344717	7.76344717	7.76344717	7.76344717	7.76344717	7.76344717	7.76344717	7.76344717	7.76344717	7.76344717	7.76344717	7.76344717
MBfns1	1246.262511	1054.50077	975.8189729	958.3590652	958.3590652	866.244515	969.7195684	1093.68687	1039.831627	942.0663225	889.1184568	767.7623741	782.213403	699.3413003	904.674181
DBfndR2e	248.1537465	104.1041921	228.63809	260.614089	337.5826092	336.6781467	405.9291217	255.61251	251.3063169	166.9152761	148.7693938	321.8529274	312.7149437	316.2244121	334.1330375
Lonr11	68.8629293	83.18751089	101.8109683	106.102596	75.5302267	89.7808391	92.6126562	69.5014308	112.1097043	63.748484373	5.699190416	91.09045116	86.0605136	77.7057004	76.17696123
Hc1	2.84218534	25.98115412	15.4807135	15.4807135	15.4807135	15.4807135	15.4807135	15.4807135	15.4807135	15.4807135	15.4807135	15.4807135	15.4807135	15.4807135	15.4807135
AD24214	1.83139293	4.735275051	3.915804072	6.03826398	2.533452977	7.80565123	2.70619414	5.866518091	3.0096549	2.621705909	7.636912096	2.602584191	0.852084315	3.614218606	2.155697016
Tusc3	744.162389	786.7161744	771.4138751	771.4138751	771.4138751	771.4138751	771.4138751	771.4138751	771.4138751	771.4138751	771.4138751	771.4138751	771.4138751	771.4138751	771.4138751
Mir766	54.4617889	26.9766766	4.6989677	7.76344717	63.0232716	2.89651223	0.90064715	9.21881414	6.717210373	2.621705909	5.205188638	0.852084315	0.852084315	0.852084315	2.155697016
Hcu3	75.80491485	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612
Zdhnc2	504.5487613	488.033972	562.309094	489.099549	552.921123	521.8511275	513.2748227	575.756847	531.9567847	529.5845392	486.1775392	455.6751798	481.4276381	519.5439247	601.4394674
Cnot7	1177.091496	1140.857592	1134.017554	1102.599455	1086.851327	1118.753425	1192.529553	1233.644947	1173.766041	1268.905659	1270.304348	1240.637493	1218.895225	1243.118613	1243.118613
Vps1	441.3657041	366.8173099	456.583047	390.4107541	381.9180363	323.351304	360.8713096	409.8181924	382.9778878	398.6605328	454.9638061	418.3733887	396.403792	395.2111196	395.2111196
Hm7	32.0378058	38.8233935	33.8233935	33.8233935	33.8233935	33.8233935	33.8233935	33.8233935	33.8233935	33.8233935	33.8233935	33.8233935	33.8233935	33.8233935	33.8233935
Pcm37a	1364.387758	338.588873	539.36901	539.36901	539.36901	539.36901	539.36901	539.36901	539.36901	539.36901	539.36901	539.36901	539.36901	539.36901	539.36901
Asah1	577.8044799	556.960192	617.1311001	593.4752807	609.295441	62.1531587	154.7008698	616.2271664	617.1567121	664.9471012	662.7914732	661.2674531	638.8131387	697.727675	697.727675
Frg1	1020.08588	1060.04657	1060.10522	1028.230428	1039.349084	1056.327685	1089.694175	864.9823815	907.9841457	907.9841457	907.9841457	907.9841457	907.9841457	907.9841457	907.9841457
CpYp3b	87.90686223	93.4880273	97.2039073	86.2504193	80.4571373	86.273775	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tr1	0.015696482	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17F0029J07rk	5.49417889	8.71482094	7.04845165	6.90087557	2.533452977	2.104284371	3.068258958	5.866518091	3.0096549	2.621705909	4.729353494	5.256525294	5.256525294	5.256525294	2.87426688
Usp20	509.1272437	499.8913274	439.354862	413.365685	393.9519379	364.645486	481.71587	367.074417	387.432371	361.7954151	738.3482796	404.2680975	449.066618	479.6904748	479.6904748
Ankr3f7	358.953028	239.261266	268.799679	180.285387	175.416187	233.570448	236.340953	75.42666117	31.60139315	78.6511772	84.16249219	169.1768019	133.021078	158.228766	168.8629329
R2p2b	1.83139293	4.735275051	3.915804072	6.03826398	2.533452977	7.80565123	2.70619414	5.866518091	3.0096549	2.621705909	7.636912096	2.602584191	0.852084315	3.614218606	2.155697016
Smn25	734.3885782	650.8799371	881.8396176	840.1815747	827.8057687	874.6617867	883.1213438	947.410706	769.7196474	877.3957367	776.613973	892.6862414	823.9653285	829.4631701	895.3328273
CtAp9	427.4145604	396.3623263	460.4607118	433.8925381	421.319472	396.2982362	448.3261632	451.521286	424.315651	374.5642191	374.5642191	398.1954008	389.941948	427.5590828	426.1693629
Sc2b4	5248.722222	4837.551824	5106.561124	4924.631777	4605.817512	479.967362	4407.02488	6246.165619	5664.173515	5869.12523	5672.386681	469.081322	457.3349878	460.473994	450.959632
rcs1	498.2139215	78.80491485	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612	95.387612
Cenpu	121.767352	171.1265938	146.4511621	134.5670995	91.8376										

Rp18a	23967.43971	21460.79329	21490.72908	21221.05435	23626.98246	24821.59637	23816.3126	20565.49821	20689.88354	19771.15814	19693.02795	22146.2575	22184.88723	22493.99305	22507.63254
Map1s	1444.05331	3204.85528	1421.039814	1467.298623	1461.169005	1484.8901	1423.45812	1361.87021	1416.796793	1372.026971	1290.167633	1336.860812	1494.555889	1398.042614	1455.814014
Map1b	1444.05331	369.968353	406.027034	409.768649	379.386533	354.214669	339.176328	339.30199	337.081529	345.192177	352.809706	365.386255	386.7213909	410.300987	386.7213909
Ynu8b	2308.317099	3122.44681	3025.117235	3025.117235	3025.117235	3025.117235	3025.117235	2767.320391	2767.320391	2767.320391	2767.320391	2767.320391	2767.320391	2767.320391	2767.320391
Uce1	819.548351	74.0399823	748.7021975	732.7293031	830.3392132	887.287192	826.291277	811.5248311	651.5906302	620.4703979	696.1608433	796.3908016	806.6717621	752.6610248	770.3200343
Ocel1	119.0405246	140.203755	131.7420171	140.217598	131.7320207	142.3867996	142.3867996	142.3867996	142.3867996	142.3867996	142.3867996	142.3867996	142.3867996	142.3867996	142.3867996
Nz2b	113.546387	118.8393013	100.2446457	100.062697	117.1272002	140.2875611	113.6605141	119.0065309	147.473168	143.1496622	126.7466736	140.9790099	119.2918041	125.5944666	122.8747299
Abam1s	1559.05186	145.016396	145.016396	145.016396	145.016396	145.016396	145.016396	145.016396	145.016396	145.016396	145.016396	145.016396	145.016396	145.016396	145.016396
Ank1e	94.3167376	110.1244912	130.719362	87.9961068	98.8406611	119.240717	102.9216652	169.209056	144.4635115	148.363432	134.2489322	132.7318003	129.5168159	140.050971	119.2819015
Ahh8d	192.1196065	102.620515	112.872199	109.82701	157.84047	1092.099738	1086.0951	1128.85696	107.685296	102.432096	1188.53166	1148.60957	1148.60957	1195.402804	1152.579338
Mp3r4	709.664732	74.159724	798.8254204	828.1059429	736.6104531	701.4218057	687.337127	915.4460147	905.906366	956.048754	7021.43348	769.421348	769.421348	775.2498911	755.9310869
Dad1	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919	1559.23919
Anp3	206.0317084	236.8863405	220.068328	198.4001665	241.3119961	202.708309	225.517637	221.2515394	311.4904467	366.395911	286.5988217	186.51884929	261.5898848	231.3099099	252.9351165
Gtobd	300.0867011	460.3042269	480.077835	398.8455186	415.486288	442.5914804	441.1096465	431.6081167	476.2781396	439.5726904	388.7528572	407.0525773	440.93467	458.4448987	458.4448987
Pt2v	0.15968492	3.16904034	0	1.75218839	4.43354271	1.704142896	0	0	0.30966499	11.3607256	2.837612096	0	0	0	0.718565672
Nv11a	149.154438	397.401711	3323.736534	3348.649767	3211.785012	3488.827296	3615.475377	2862.027759	2905.70927	2965.524556	319.259479	3015.527697	2980.590934	307.716173	307.716173
Nv12a	953.884995	953.884995	975.489499	975.489499	975.489499	975.489499	975.489499	975.489499	975.489499	975.489499	975.489499	975.489499	975.489499	975.489499	975.489499
Nmen221	45.78482408	49.91250654	46.2065317	46.2065317	39.26825115	55.41161165	44.61355931	31.8468125	21.82009511	34.08217679	43.01345116	32.09853993	26.41461377	29.8173035	48.86246595
Nxm1	45.78482408	7.130358077	5.822129061	6.038265938	6.96995687	9.11836674	8.118582433	9.21884144	3.70207605	0.873901969	0	6.076292467	9.372927467	11.08897911	12.28843721
Sic21a7	54.94178889	62.58868697	40.7243871	60.3265938	95.00448664	84.19563669	63.14450333	35.1991085	80.5083112	61.17133782	43.51006214	58.12483812	60.09526563	63.24882561	72.57513287
Pgls	1689.460098	1448.254952	1436.317814	1547.52122	1426.98739	1509.440358	1464.953097	1349.290161	1528.153083	1329.204895	1302.463952	1551.140254	1455.762071	1372.499515	1516.892134
Map12c	19.2296611	15.84524017	22.7116757	25.0156731	24.70116653	22.44520978	23.5868228	21.8992434	20.3153181	29.7126694	21.75502607	16.4830402	49.42809828	49.42809828	31.6188957
Colg1a1	1666.567596	1793.68819	1740.967558	1587.23102	1735.415289	1661.64967	1687.753081	1462.609817	1592.860698	1786.25564	1680.812322	1747.20106	1722.110934	1623.687799	1641.92256
Ucn13a	267.3833726	299.3902897	273.323219	163.8957897	197.6093327	363.7312149	345.557473	49.177143	23.61234924	112.733354	25.8008029	234.2325489	226.698868	238.538428	254.3722479
Bj3d	257.4526208	4094.41006	9946.699247	3881.742388	3801.818299	9984.072138	4025.017275	2862.860299	2989.341309	3004.58862	312.450324	3567.275573	4058.477593	3950.340937	4200.734937
Nv22b1	19.2306211	21.36701217	29.78012919	19.8403147	18.36753498	21.74376918	21.67436812	16.7616382	25.6988326	25.6988326	25.6988326	25.6988326	25.6988326	25.6988326	25.6988326
Agk1	297.2874209	207.5726462	198.1398075	213.9271361	205.843054	210.4238417	21.37975963	60.34132994	1.51372901	90.88580477	90.88580477	20.869105	57.25105252	17.701291	185.3899434
Fcho1	1447.686416	2158.913793	2052.66573	2056.406856	2001.427852	1897.321639	1962.89219	2031.491408	1975.087072	2101.734235	197.8715631	2028.28712	2039.037766	2100.764565	2071.624832
Zp709	96.1481036	87.94109824	96.32883922	83.7311371	84.2373141	71.54410617	84.6454732	80.5083112	59.4253339	52.4953339	50.4122631	69.87091384	87.6448012	84.07218362	84.07218362
Zp8b2	41.2063167	49.1202445	38.8005804	31.0539391	43.0687001	25.25086101	31.57226502	39.38947861	24.8366605	35.8299073	25.3536887	20.8207465	23.1212829	27.1065395	25.8683491
Zp17	183.749033	114.0857127	154.28275	134.587096	158.53869	135.379715	171.2884129	140.784342	90.2886941	115.3850599	117.2879669	137.8396899	138.0376594	147.246433	147.246433
Zp22	223.499615	258.2774418	229.466293	230.316715	274.2642848	220.049338	24.55498614	4960.56038	5193.914688	5304.584951	5558.882097	6157.714408	6084.734908	6290.547184	6353.557672
Rpba	610.612793	5768.458946	5935.579451	5908.01195	570.072967	5971.122735	5155.698614	4960.56038	2700.820632	2983.020595	2843.27321	3118.763542	2995.234296	2995.234296	3081.928167
Tpmb	192.3117935	3138.149816	3081.799604	3081.799604	2998.974962	3074.29231	3265.474962	3081.799604	276.880397	225.466702	475.454022	425.190073	488.823665	488.823665	488.823665
Am3	85.051569	114.0857127	154.28275	134.587096	158.53869	135.379715	171.2884129	140.784342	90.2886941	115.3850599	117.2879669	137.8396899	138.0376594	147.246433	147.246433
Cam3	0	3.16904034	1.56632599	0.86260942	0.63336234	0.704142896	1.80412943	0	0	0	1.891741398	1.735062313	0	2.710663955	2.156697018
Fib2a	868.995187	877.823054	884.972268	775.4858683	871.6719484	856.425038	881.6978257	773.814781	834.573803	865.4716894	871.6886434	871.6886434	871.6886434	871.6886434	871.6886434
Ap1m1	1838.118535	1790.355615	2089.474334	1850.29705	1866.521481	1815.265434	1788.9902	1790.027564	1994.897425	1894.619469	1997.678916	1803.590933	1884.810505	1982.946995	1997.612568
KH2	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307	433.367307
Ynu8b	2802.404475	941.9958281	916.8790319	938.5369419	938.5369419	938.5369419	938.5369419	938.5369419	938.5369419	938.5369419	938.5369419	938.5369419	938.5369419	938.5369419	938.5369419
P51S1	11.90405426	14.26071615	12.53508971	19.84001665	22.1677135	13.2684331	17.13922958	10.05688616	18.05793894	22.72145119	15.13391318	16.48304032	14.48534336	22.58866929	20.3840049
1700030K09r1k	19.23132039	19.9309964	12.53508971	94.8870316	110.540353	113.6288745	119.974017	85.4835493	109.100478	121.4723737	115.3962252	85.0175442	130.1180335	130.1180335	117.1262045
Cherp	30.1623407	306.475405	307.044430	3178.71711	2942.605633	3084.81352	3129.264562	317.948213	314.338618	302.807769	3386.217102	394.178708	3040.77698	3342.767056	3040.77698
Sic3a1	2003.45998	2051.458802	1807.076523	1734.14031368	1807.076523	1807.076523	1807.076523	1807.076523	1807.076523	1807.076523	1807.076523	1807.076523	1807.076523	1807.076523	1807.076523
Med26	58.3229623	506.917936	480.077835	570.1848304	504.2588474	584.871924	514.525233	578.210959	578.349219	600.846029	595.8985402	590.7866404	654.400745	564.712762	588.052853
Smim7	846.103549	271.750697	819.969875	784.674023	774.6032477	739.9905	762.010784	881.087355	808.383112	730.582046	773.7222336	766.98446	772.8404739	802.356350	733.655511
Nmen38a	7.0010526	61.00417465	47.7728389	34.5043769	28.50134599	28.0566123	42.39701459	31.0087384	38.3712025	45.4292308	40.6724005	50.31663016	32.7390289	39.75640467	28.74262688
Sn2b	207.1779349	2083.648962	2166.224141	2192.753145	2131.9008	2214.360228	2199.679503	2223.410357	2096.257467	217.763707	219.257633	219.257633	219.257633	219.257633	219.257633
Z15	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225
Large	5.04917889	4.753572051	14.096903	16.38957897	6.33632434	21.02438417	2.70619414	13.4091842	11.0566957	7.86511772	8.51238269	1.735062313	4.260421576	8.03545616	2.874262688
Hmg4b	544.830496	688.475869	624.3963904	587.4370148	599.749926	582.874015	598.970796	582.461491	562.805763	610.857463	610.857463	609.0047306	634.8021843	618.83491	638.804824
Tom1	217.9357608	160.825937	160.825937	160.825937	160.825937	160.									

Papd5	1409.256805	1365.067411	1342.338459	1382.7629	1263.559672	1315.850424	1389.179661	1559.655738	1461.94064	1363.287071	1550.282075	1374.16452	1436.614155	1267.687176	1388.867605
Adc7	1278.312288	1592.46657	1667.10575	1422.442933	1598.10838	1515.05166	1434.54123	1754.254266	1528.99894	1448.680653	1363.945548	1484.364754	1474.039544	1878.784687	1761.383753
Hubt	1108.908439	1294.463153	1224.884255	1180.049866	1168.555158	1213.444155	1340.884865	1282.23524	1161.727405	1168.406526	1127.663732	1298.576498	1298.268411	1182.268411	1298.268411
Acst1	3.6462769208	0	0	0	0	1.403265511	0	0	1.59484831	0	1.801741386	0	0	2.847625584	0
Smz20	684.0252717	698.750155	723.6410361	765.9971647	711.2669233	752.6194005	633.2494298	673.2732126	1074.473867	850.3066157	729.2663088	665.3940575	644.1754723	746.3361422	696.201361
Snd	38.45925223	24.56012226	40.7243871	14.6643013	12.03390164	25.75068011	62.126799835	26.33449429	26.33449429	20.80915537	15.73023544	43.37760531	16.18690199	42.71737325	14.37131344
Chyd	1719.477992	1983.031007	1856.092288	1749.562323	1819.652601	1754.233427	1938.573072	1862.200457	1883.292549	1809.850978	1929.432962	1946.160676	1967.708364	1741.084623	1912.066295
Tox3	3.02592629	1.584521052	1.566325127	0	0	0	0	0	0	0	0	0	0	0	0
Cnrl	66.46270386	64.93147378	64.54175454	54.74592203	45.02126267	64.04796926	561.9963173	814.6079407	851.7286867	689.5085355	699.9443171	601.1969777	596.1905175	562.0109933	537.4871216
Rkip	597.031406	368.1863926	389.8427776	641.841082	535.191944	535.879389	624.2287826	755.9427598	731.0465271	762.9164189	667.7847133	615.949555	682.5195364	667.726875	702.0386615
At2p	20.5375295	180.635719	191.874715	220.828014	170.057892	173.244966	206.728197	216.2309594	182.084271	213.2320094	274.3020526	68.5185429	234.331867	218.660227	198.3241255
Cprrp1	123.53835778	82.578568	66.3342165	82.578568	66.3342165	82.578568	66.3342165	82.578568	66.3342165	82.578568	66.3342165	82.578568	66.3342165	82.578568	66.3342165
Pto	989.682484	986.573886	922.5564009	905.739806	912.0430718	826.2542851	897.706827	1040.850742	1050.370155	1070.529912	1066.942218	891.818933	905.653121	952.425567	896.769556
Crmde	9.156964616	7.922620085	9.48870354	9.84870354	10.76717515	3.50760428	9.71657118	12.5711102	8.726555348	8.739019689	2.837612596	10.41032768	7.66875838	8.13919644	8.62278804
Lpcat2	0.915964862	0	0	0.82139614	0	0	0	1.042825611	0	0	0	0	2.062583419	0	2.710663955
Gnao1	13.83139693	1.584524017	0	0	0	0	0	3.608258859	0	0	0	0	0	0	2.156597010
Amr1	320.558820	3165.878987	3186.653037	3157.150476	3254.9871	3288.924646	3502.71787	3219.880359	3450.571166	3232.563283	3380.541877	3336.513007	3320.527576	3245.568309	3301.1150616
Notd21	170.111152	1621.760311	1643.855557	1603.590911	1669.545512	1681.987980	1714.825023	1755.093367	1701.950745	1679.639584	1723.376413	1655.243627	1699.056124	1647.138013	1684.317935
Notd10	492.647041	525.2697116	538.031093	477.256551	567.4934669	540.879604	605.2854236	585.8137351	489.8215938	555.1799463	588.3315746	525.21988	522.3726852	530.3865805	477.8461719
Bhs2	57.68887384	47.53572051	50.54329049	29.3287027	45.6021359	44.89041957	52.31975346	41.0662664	35.36343676	27.09996104	33.10547446	47.7440585	43.4563007	49.69550584	43.11394032
Mb3	4.57842608	5.4503406	4.698987767	3.450437679	3.168816221	3.168816221	2.768194144	5.968510091	3.00985569	2.621705907	4.675224193	5.112505091	5.112505091	5.112505091	5.112505091
Cmde	69.0435171	50.150154	53.3328415	48.0247598	290.7137291	382.2699701	400.873975	256.45064	276.135983	373.1561407	301.5904693	370.4338023	382.018983	375.878735	335.5701688
Mt1	1226.117589	90.5554577	928.046134	90.289453	709.3668336	688.085624	636.188181	499.492118	428.1236357	397.7551388	418.1781544	480.195545	702.99566	640.620248	669.7032063
Nup93	2324.03767	2374.402929	2404.305174	2495.520951	2299.74194	2335.704643	2363.486401	2771.510761	2675.5846	2664.527103	3023.002753	2483.732968	2530.69044	2558.866773	2590.369328
Sc1a2a	2.74708945	2.376786206	0.783162124	3.450437679	6.96958877	4.90989864	0.902047415	0	0.90956499	0	4.779353494	4.337450311	0	9.93910171	12.82762688
Hepu1d1	445.616803	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958	1456.89958
9330175E14Rk1	125.450481	177.466689	124.256458	133.70446	126.6726489	131.7656075	132.6035131	93.02621545	128.626315	125.0589426	91.74945778	129.2616878	121.4751296	134.6296431	135.808012
Ncrs2	3607.844136	470.04222	380.482268	3682.479612	3653.94976	368.0354164	368.955562	3053.10363	3327.17525	3292.862619	3382.433619	3382.433619	3675.891736	3864.503425	3926.961397
Cprrp1	76.6555939	87.94108294	91.62987146	84.53572313	74.37013634	68.33704215	68.33704215	68.33704215	68.33704215	68.33704215	68.33704215	68.33704215	68.33704215	68.33704215	68.33704215
Fam192a	88.7109318	683.8834582	89.751656	880.7242175	852.506026	896.4055657	904.770909	938.842894	938.842894	938.842894	938.842894	938.842894	938.842894	938.842894	938.842894
Espr14	607.698919	617.864866	563.0230707	526.101746	534.568672	527.402619	534.568672	527.402619	534.568672	527.402619	534.568672	527.402619	534.568672	527.402619	534.568672
Art2p	1389.115518	1647.112716	1688.495751	1705.378823	1683.479503	1780.887114	1708.571557	1551.274998	1714.751785	1542.436975	1680.812322	1864.3179	1793.637483	1929.972796	1782.761432
Pilp	1.83139263	1.584524017	1.31264518	2.587828259	1.90080793	1.04238411	2.00260145	1.75426617	1.514484735	0	1.891741389	1.735056212	2.556252945	2.701090303	0
Cd22	10.0726613	16.76570218	9.39793574	31.91654853	3.80017946	21.0228417	0.76019444	54.47481805	20.3151811	7.86511772	11.35044398	6.07266674	5.112505091	9.03554617	16.52701046
Cc3a1	2.1474045	0.792362009	1.566325127	0	0	0	0	0	0	0	0	0	0	0	0
Cc117	0.915964862	0	0	0.86260942	0	0	0	3.352296029	0	0	0	0	0	0	0
Ciapin1	1037.484114	1120.030515	1134.800716	1080.849603	1029.848635	1051.417796	1070.750816	1215.207319	1309.200573	1164.037423	1161.529128	976.4886252	1105.950894	1047.66875	1072.66875
Coq9	397.412273	431.787294	455.898674	456.320383	412.319472	415.253681	391.496062	414.008624	421.351908	502.4936321	417.1289782	417.2801191	443.083439	380.3965083	451.259242
Palc2c	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231	1297.741231
Dc9	10.98857378	20.59881222	24.49483863	21.56523599	13.9339137	18.9381457	12.6298001	18.43762929	20.3151811	14.8533249	3.470112425	13.0219219	17.0416639	13.36042909	13.65277477
Cd2c102a	58.7601004	587.0661483	609.2994871	543.443934	712.5336498	669.8492295	626.0329121	535.5292943	481.5450385	584.6044172	600.6278937	611.6073149	556.708892	655.980677	537.4871216
Adc95	856.1752021	1051.679995	936.877469	996.1318797	1014.015454	1038.637534	579.1093143	632.027863	755.0510311	850.337582	1066.192043	1093.224176	1293.890174	1263.957011	1263.957011
Ush1	130.701778	160.0369257	142.5353556	198.284016	105.1382985	116.4345257	91.6189577	304.2208667	243.7621757	221.3581784	215.6585193	118.813506	110.770961	148.025582	111.3776792
Adc91	35.6147704	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387	32.1094387
Katn1	714.2432556	702.736405	693.097456	669.2280363	670.7315757	721.0523642	672.9402772	618.498216	556.034096	628.355156	650.7590408	670.599262	702.1741797	769.8285631	704.194385
Kfcd3	31.3368037	34.0672637	61.8697422	55.2070286	53.20251252	54.0087864	49.6135591	84.64547352	33.8658352	59.4253389	65.2650782	51.18415827	52.8292754	63.248571	73.2939854
Zp19	432.267393	434.951847	372.001649	408.878669	378.752201	385.7770431	438.0354514	368.7526557	413.325297	339.6897279	411.203224	435.415085	419.249358	448.394793	448.394793
Ush1	32.3978228	45.1452925	41.9812926	39.349854	361.5584125	382.9713919	430.284689	383.837898	411.576251	431.705726	400.1033056	399.062899	460.978145	397.5640467	447.075853
Emg15	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545	1.2294545
Cp2af0	480.7405288	499.1250654	585.804463	531.3674025	541.5504782	532.609977	527.707881	484.407651	534.964412	616.100881	531.579327	595.98109	547.0381303	561.918355	561.918355
Csn2a2	1436.72718	1292.971598	1406.557685	1412.952219	1322.828193	1424.25555	1480.289197	1448.19195	1414.5385	1448.92946	1531.177662	1334.258227	1281.148072	1450.205216	1356.61959
Gins3	29.194781	385.039361	339.893018	330.685157	383.881826	271.446756	314.028587	367.9144917	407.0560403	360.921532	360.378796	323.587986	234.487294	374.016258	323.455524
Nrg4	76.7014683	11.88042159	12.4937817	14.729869	14.729869	14.729869	14.729869	14.729869	14.729869	14.729869	14.729869	14.729869	14.729869	14.729869	14.729869
Setd6	387.3396117	357.3101558	388.448021	426.1290533	387.61305										

[illegible]

Crtam	1749.895976	1910.143703	1915.612526	1898.603333	2347.244183	2151.934488	2433.7706	2483.213301	2115.038099	1991.622587	2092.265986	2455.972069	2433.552804	2663.679113	2519.291246
Abh3b30	480.595302	448.420268	505.139049	463.2212584	502.979069	630.5701123	300.78751	501.1682598	565.291023	613.345494	589.0515842	605.9153299	618.762434	569.1040122	
Sonli	175.155262	623.102027	555.6130447	171.8196742	715.700496	716.1427446	862.3736653	522.1201	438.680784	749.1691867	748.9447695	748.9447695	748.9447695	71.6245118	71.6245118
Scd4	1678.99178	1788.08451	1788.08451	1685.4256147	1685.4256147	1685.4256147	1685.4256147	1685.4256147	1685.4256147	1685.4256147	1685.4256147	1685.4256147	1685.4256147	1685.4256147	1685.4256147
Tbcel	598.6854099	689.2679474	656.2891468	598.6509372	593.4613599	595.499472	666.652842	625.2032137	536.4712694	613.4791822	585.4393625	632.4279895	651.5235637	610.8029445	601.4394674
Ahgrf12	30.40112319	32.30002597	30.30002597	31.48524382	209.6423399	226.5563362	246.3516024	462.618652	34.8242845	342.5695718	380.2402099	245.5105441	318.6795349	249.3810838	261.5579046
Tmmen136	4.578482408	3.961310043	2.349483883	4.987703816	3.16681221	7.715540829	4.052329374	15.0853222	14.2968683	6.921215751	10.404577699	4.337460531	6.81664521	8.131991864	7.18655974
Cnf	35	36	35.44552529	35.44552529	35.44552529	35.44552529	35.44552529	35.44552529	35.44552529	35.44552529	35.44552529	35.44552529	35.44552529	35.44552529	35.44552529
Pvrt1	1.833139263	1.584520407	0.626520306	0.86269042	0.53352977	7.70540629	2.706319444	6.704592104	6.019312981	5.243118133	6.81664521	6.81664521	6.81664521	6.81664521	6.81664521
Thp1	24380.14812	23873.2311	23475.2598	22911.7688	22916.3489	22948.12726	24291.7007	22789.74646	22935.08714	22935.28174	24019.40256	22885.39414	23248.26845	23244.84697	23217.57543
Uysp22	2.56519797	32.48274239	1760.291219	21.56523549	26.06125626	22.4520978	26.195867763	20.11377631	7.524141226	25.9595316	28.7312096	27.7608994	28.92295103	31.6188957	
Hn26	1259.521697	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497	1558.545497
Mcam	9.156664166	11.83930131	2.349483883	6.90087537	3.800179466	9.81977268	6.314530033	7.542666117	16.5531107	9.612921568	24.59263817	9.542809169	11.0770961	11.74621004	0.502959704
Nbci	1866.184929	1749.314515	1878.020784	1875.312878	1575.312878	1889.25577	1731.460911	1902.855106	1677.89178	2007.137623	1850.437451	1923.154296	1559.824665	1780.605735	
Pdz03	0	1.584524017	0	0	0	2.104238417	0	0	0.752414123	0	0	0.867528106	2.556252945	2.155697018	
Nfx1	131.8602933	121.216873	151.9332911	150.956648	124.1391959	155.719429	168.686107	134.0918421	118.1290172	115.3555099	150.082634	162.7481042	133.7260884	141.5574374	
Abc04	4.578482408	2.376786026	1.556325849	0.82629042	0.63363244	0.70141266	0.902064751	3.352296529	5.24341813	1.621048981	1.75505621	0.852084315	0	0.18565672	
Hinfp	26.0826251	25.11470677	26.92536502	25.0756701	218.5103193	199.2012368	241.7533436	267.3456102	120.6759643	269.1618064	229.8465798	273.2713535	228.3589595	211.4317885	245.7494598
C70202	811.3070227	805.5227447	752.618004	825.5172146	709.3668336	694.3966777	698.1390892	756.7808338	721.5655238	813.602733	795.4772577	766.0273178	781.361317	764.4072352	782.5180168
Dpag1	702.392014	770.0786723	719.7252296	729.767569	806.9047732	773.6582437	744.2023897	705.658319	753.9198508	743.6905755	737.779145	775.5701277	787.3259207	731.036612	791.1408438
H2a7	2868.07777	1501.029746	3276.746956	3225.095313	3225.219032	3280.507692	3232.097873	2951.696574	2762.404124	2736.403932	35.45.50737	3473.94773	3494.949392	3295.342172	
Hmb5	95.0714303	964.051264	965.6378761	1004.939074	931.6773323	971.4567359	938.2133969	1109.609093	936.1941294	1219.96719	1069.77976	931.956817	981.9072667	996.6207807	907.5484437
Vp511	597.9480025	657.577447	680.5671649	570.4701951	601.0611768	598.3051328	592.6565176	635.559791	795.3017276	765.5381248	624.7992439	630.6993323	622.0215501	705.678129	629.4635286
Hyo1	4682.871807	420.029465	426.847165	425.252627	414.62916	424.3471473	4394.395679	4421.678493	4321.085337	418.799725	4780.430512	3971.543671	4091.708881	3985.579568	4302.712244
Sc7f4	576.8887834	560.12524	603.817358	538.2682779	540.8922106	590.749031	556.573929	263.9933141	398.779485	474.5287691	365.1060897	532.662573	508.388201	540.3258816	516.6133272
Tapp04	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397	834.1204397
Rps25	13763.83381	13275.3671	13275.3671	13194.47368	14153.13506	14068.31762	14485.35159	13658.09219	13802.28466	14039.25314	13057.745	14190.15723	13240.53817	13962.33003	14080.29434
Ccd04	43.0373634	65.6777467	62.6250366	49.16873962	49.16873962	63.12715251	73.0672419	59.5023493	67.7127013	76.02947129	85.8852582	85.7938175	86.7891757	86.1391864	80.47935526
Bc19	64.91302336	80.91777477	892.8038757	896.5711537	832.239303	780.6724528	941.0853619	819.3789795	849.3398974	762.3717832	994.1872098	984.7883759	962.2897039	861.5620407	
Xcrr5	13.7544722	14.2607165	10.9642581	6.03826038	16.4674438	14.0265161	15.22711983	7.542666117	14.2968683	12.2346756	6.812636289	23.42358877	6.937827407	187.019033	21.56697016
Cd4	6295.195327	5985.133074	612.188878	610.565138	5335.504755	624.83947	5881.48947	5984.70313	5959.74836	5841.172847	5992.01616	5988.74424	5988.74424	5988.74424	5988.74424
Phid10	3.76390702	128.3644544	114.314459	131.001834	101.20430718	105.2119209	112.7580093	165.1008906	115.877437	148.653347	137.3677685	105.834929	110.770961	94.872384	112.0962448
Acrn1	5103.176492	574.0438164	5226.035348	4803.009249	4569.082444	4857.985092	4001.81966	534.568646	5182.288424	5285.39916	5304.47331	4727.160561	5080.978771	4679.59054	4776.306022
Ht4	5833.672858	418.3434164	327.364211	37.6147293	342.0161519	348.021434	325.345362	300.304967	325.7953151	406.3644155	368.8895725	295.8270842	290.5607515	342.4472129	345.6300882
Imen25	3.66716529	3.961301043	1.566325849	0.82629042	0.63363244	0.70141266	0.902064751	3.352296529	5.24341813	1.621048981	1.75505621	0.852084315	0	0.18565672	
Tc36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kmt24	3689.314124	3684.01834	3501.514148	3720.434427	430354271	430354271	90.9024715	3664.897659	3763.572103	3026.322518	3592.433888	3623.025058	3322.370454	3552.588682	
Ap51	140.040122	1221.668017	347.820588	172.286201	1251.525771	1263.244437	1211.26644	1158.036564	1232.425363	1203.363011	1254.224547	1194.58262	1104.302172	1378.82498	1370.116872
Abc04	4.578482408	2.376786026	1.556325849	0.82629042	0.63363244	0.70141266	0.902064751	3.352296529	5.24341813	1.621048981	1.75505621	0.852084315	0	0.18565672	
Cd3e	374.355574	378.2385012	3785.801698	3754.016194	4020.588975	4155.960984	4213.544382	3136.911031	3187.978637	2994.862047	3293.521773	3971.543671	3802.00214	3821.132622	3795.468329
Cd3c	3676.521373	3843.263509	4034.063828	4091.208499	4045.291041	3779.212197	4644.73216	3388.33235	361.7863	3125.947343	3409.86389	4279.913564	4641.513474	4606.321364	431.394032
Mp12	26.55519797	45.95119649	20.36213969	31.05399131	11.4005384	13.26884331	9.52271863	42.9369605	42.82119648	37.8438795	16.8860199	16.8860199	12.64971651	25.1497965	
Hp13	94.27917901	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524	93.9735524
Amlc1	2500.244422	1687.518078	1590.419562	174.9647374	1661.94513	202.153649	297.259158	307.033922	1065.73379	1031.204323	1164.36638	1696.47439	1534.036382	1638.144583	1584.43707
Km10684	1.833139263	2.376786026	0	0	0.63363244	0.70141266	0.902064751	0	0	0	0.945870699	0	0	0.710663955	2.155697018
Scn2b	3.66729562	3.961301043	0.78316294	2.587826259	3.900877946	5.611302446	4.118582433	1.676148026	6.019312981	0.873019699	3.784287295	0.867528106	0.852084315	0	0
Scn4b	0.833139263	0.792262009	0.78316294	1.75253239	1.90089733	2.042824817	1.80412943	1.676148026	6.019312981	0.873019699	3.784287295	0.867528106	0.852084315	0	0
Impr044	4.578482408	2.376786026	1.556325849	0.82629042	0.63363244	0.70141266	0.902064751	3.352296529	5.24341813	1.621048981	1.75505621	0.852084315	0	0.18565672	
BC03952	4.578482408	2.376786026	1.556325849	0.82629042	0.63363244	0.70141266	0.902064751	3.352296529	5.24341813	1.621048981	1.75505621	0.852084315	0	0.18565672	
Il10a	15.9167309	1766.744729	1598.423272	1521.640316	1693.613315	1747.920712	8302.07789	81.9672037	996.196283	984.65371059	1647.458574	1528.63261	1644.565911	1531.26421	
Tmrrp313	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2Tyd1	2147.084704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cep154	309.5054108	366.8173099	323.4456146	304.7307708	367.3506817	321.247065	375.589213	334.3915312	350.624811	367.0388269	315.9208134	431.161468	433.959822	474.1733014	383.7140688
Bac1	136.4387758	157.997367	162.114388	135.4296789	126.672849	132.56702									

Pml	3917.34548	5.56108794	3033.96685	2003.20178	3236.88716	3391.33016	4.08635358	2031.49108	2491.24316	1989.00081	3304.14122	3204.64825	3181.68283	3133.57322	3389.47475
Stom1	8.24126434	4.75357051	4.69896776	1.72521839	3.26678271	5.91130046	6.09825359	7.60459214	0.17478038	2.73041991	2.38419078	8.67528103	1.7041663	4.517773258	5.74825376
Ngn	3.55144231	3.17690564	299.950778	306.22634	318.117568	312.801113	368.944483	323.765765	301.213249	275.279102	384.707083	310.570662	294.821173	382.206176	321.198854
Npn	1786.532368	1885.5850	1870.97323	1971.92513	1786.17712	1686.897712	1906.912762	2050.32484	1907.97076	2057.253077	2088.42625	1877.50022	1927.09204	2009.505545	1821.719675
Adp	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701	9.02463701
Adp1	0.91596648	5.54583046	10.1810683	10.351304	10.382534	10.382534	6.3127551	6.31453003	80.896172	15.8006957	6.8210491	12.7786538	6.81667452	4.51773258	7.15856562
Negk	97.5716354	747.103074	83.616265	46.2831304	720.3677309	73.015041	73.015041	102.8071249	829.1063631	890.5501063	865.348474	749.544238	702.96956	377.3009557	842.877532
Bbs4	112.6306672	93.486917	97.8951611	94.8870316	72.2034985	94.6907787	86.5982162	114.816396	114.3696466	105.742182	128.68431	83.282682	103.102201	105.715894	100.599194
Bbs1	2873.45559	2694.13317	2512.76854	2697.56733	2057.95712	705.792503	705.792503	3032.98853	2981.87168	2591.16049	291.065235	384.62466	2870.672058	2786.279708	2786.279708
Qm2010	0.91596648	4.75357051	3.1326451	6.9008795	1.40226556	1.40226556	2.35239955	2.35239955	2.621709907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907
Tmem202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexa	508.2151473	45.4446696	390.014327	392.4872859	371.0508611	470.6479926	411.351099	284.754794	401.036773	348.688856	389.6987279	351.255179	336.5733045	434.6097874	372.9558338
Pmp706	159.621833	158.4524017	140.1859717	150.049309	160.2400098	150.2270769	155.1551309	127.38725	150.4826245	163.519435	136.205386	216.170028	211.3169102	163.5431939	192.7941658
Penp	0.91596648	4.75357051	3.1326451	6.9008795	1.40226556	1.40226556	2.35239955	2.35239955	2.621709907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907
Serp8	71.4243556	60.1112165	60.9309039	61.4359584	69.3042174	72.9459319	78.4796309	88.8354838	60.19312981	81.12783311	45.8276334	54.562770	58.70931775	78.6015332	71.8556572
Myo9a	329.650374	348.595287	332.8435502	334.6294548	340.7494254	347.775591	371.656025	439.150728	338.836552	311.983029	250.519098	352.26114	381.737732	384.6197152	326.947807
Lrrc4	45.78482408	41.98986845	50.1232228	39.860033	43.7020638	43.4875593	39.9645331	54.4710828	47.4208972	62.04703979	51.9342693	45.9798963	37.49170987	28.0101942	43.8250599
Uca	0.91596648	4.75357051	3.1326451	6.9008795	1.40226556	1.40226556	2.35239955	2.35239955	2.621709907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907
Uca1	0.91596648	4.75357051	3.1326451	6.9008795	1.40226556	1.40226556	2.35239955	2.35239955	2.621709907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907
Rplp1	29051.76456	27523.94714	27794.3944	29943.6052	29040.3811	2901.96285	29877.7717	28022.8669	2705.4345	27831.156	27053.79373	26031.56871	27464.38161	28026.69025	27329.92077
Paif2	461.451585	1069.471039	1556.05529	1347.64936	151.204701	1428.076472	1562.37608	1512.73594	1651.549999	1653.422659	1771.453431	1398.307109	1505.053875	1566.763766	1612.461368
Krr5	3.66718585	0.792262009	7.04845165	3.5504373	1.90089733	2.80565123	1.80421943	257.28872	258.07803	249.6715893	0.86758208	0.86758208	1.403337261	0.35282936	0.35282936
Trp234	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314	247.76314
Mir323	0.91596648	2.376786026	6.26529036	1.72521839	6.0333244	1.40226511	1.80421943	2.51422039	9.78138394	4.36590845	0.347112425	0.85208435	3.61421860	3.5028236	3.5028236
Ansp32a	673.847961	6334.92702	671.21252	972.70722	6683.88217	681.419756	7416.77085	554.030261	4662.52653	5298.46737	5544.83632	6686.220017	6630.06806	5667.05208	6456.312563
Coro2b	0.91596648	2.376786026	7.83161294	6.00087357	6.0333244	6.3127551	9.02064715	4.19037065	2.25724238	2.621709708	0.347112425	0.85208435	3.61421860	0.90355462	0.90355462
Fem1b	1529.21324	1673.93367	1574.93763	1574.93763	1395.95051	1748.57194	1548.77178	1573.27945	1397.178641	1138.178071	1258.04140	155.16264	1531.55514	1327.71873	1375.34896
Cntd	0.91596648	4.75357051	3.1326451	6.9008795	1.40226556	1.40226556	2.35239955	2.35239955	2.621709907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907
Om10653	0.91596648	4.75357051	3.1326451	6.9008795	1.40226556	1.40226556	2.35239955	2.35239955	2.621709907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907
Plas1	538.429531	566.467361	556.13578	563.283951	576.993155	526.096043	573.131586	603.432894	51.16416034	567.28788	514.5536601	500.786640	627.981403	506.33884	538.92454
Map2b5	441.365704	419.8988645	504.358736	432.167319	487.689981	439.768592	455.542681	491.131716	459.725028	484.414553	453.072047	373.037057	432.006748	405.690386	462.756297
ADP306ADSR	0.91596648	4.75357051	3.1326451	6.9008795	1.40226556	1.40226556	2.35239955	2.35239955	2.621709907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907
Aagb6	567.713186	652.823895	683.847776	612.45658	551.658958	583.574554	548.545365	752.590437	601.960275	688.634515	735.874007	579.4173343	695.737017	640.420137	640.420137
Sam3	431.290428	602.9113885	612.423123	650.475024	593.461359	653.244483	686.4299537	424.9035246	512.3640175	483.267788	397.2665935	663.7736815	481.970786	573.1482154	594.9727364
Smad6	1.3132963	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zw1ch	488.068247	529.530478	526.284389	540.017626	563.059242	515.538412	518.880316	595.962226	579.358744	665.913003	589.587913	553.462918	596.1521793	591.379648	591.379648
Smad1	46881.72942	3.15694784	45402.209	440.141369	468.813387	468.813387	468.813387	468.813387	468.813387	468.813387	468.813387	468.813387	468.813387	468.813387	468.813387
Snrord1a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snacp5	280.231424	251.9339187	314.830804	280.3480614	290.7173291	258.821335	229.7173497	403.1136003	303.9753055	291.882576	302.7673091	262.410691	325.279644	256.5279449	256.5279449
Map2b5	2507.176867	2280.922322	2271.167734	2332.98561	2190.160223	2251.763053	2226.295716	1723.91845	1827.75871	2111.221059	2051.593546	2309.59896	2344.390086	2154.977864	2140.787829
Map2b5	2507.176867	2280.922322	2271.167734	2332.98561	2190.160223	2251.763053	2226.295716	1723.91845	1827.75871	2111.221059	2051.593546	2309.59896	2344.390086	2154.977864	2140.787829
Tipin	3702.685835	1830.12524	1998.22688	1870.99931	1688.54069	1792.81131	1644.43587	216.87122	1925.42747	2105.599353	2079.07725	1882.355909	1871.17156	1864.03316	1770.545816
Dis3	1628.618967	369.98365	445.618776	362.287377	378.829151	395.1043451	362.519752	352.1289094	410.0491763	410.0491763	410.0491763	410.0491763	410.0491763	410.0491763	410.0491763
Map11a	58.60457482	57.8516622	72.6340099	65.5831589	34.2016159	21.0423841	25.2581201	31.846825	51.16416034	34.0821769	49.1852764	61.413491	24.710454	34.4352211	40.7686888
Reg13a	78.6874319	77.801862	839.544067	783.249353	727.667417	825.56339	777.579784	836.240978	831.378975	798.134779	767.155266	747.899272	726.872708	741.938689	824.114257
Denp1a	45.78482408	41.98986845	50.1232228	39.860033	43.7020638	43.4875593	39.9645331	54.4710828	47.4208972	62.04703979	51.9342693	45.9798963	37.49170987	28.0101942	43.8250599
Slc12a1	0.91596648	4.75357051	3.1326451	6.9008795	1.40226556	1.40226556	2.35239955	2.35239955	2.621709907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907	6.621049907
Vsw4	1116.23341	105.8175292	1267.154574	1039.315714	1026.92317	1074.72519	1195.23747	1330.24875	1362.41317	1170.98725	1232.75748	1198.88263	1160.164173	1207.193029	1207.193029
Hac3	140.025696	1158.88219	1159.88747	1089.475697	1039.30448	1081.57584	1055.106564	1306.233534	1276.094352	1143.07613	1085.277661	996.086564	1086.07768	1025.393214	1025.393214
Map2b5	2507.176867	2280.922322	2271.167734	2332.98561	2190.160223	2251.763053	2226.295716	1723.91845	1827.75871	2111.221059	2051.593546	2309.59896	2344.390086	2154.977864	2140.787829
Map2b5	2507.176867	2280.922322	2271.167734	2332.98561	2190.160223	2251.763053	2226.295716	1723.91845	1827.75871	2111.221059	2051.593546	2309.59896	2344.390086	2154.977864	2140.787829
Map2b5	2507.176867	2280.922322	2271.167734	2332.98561	2190.160223	2251.763053	2226.295716	1723.91845	1827.75871	2111.221059	2051.593546	2309.59896	2344.390086	2154.977864	2140.787829
Map2b5	2507.176867	2280.922322	2271.167734	2332.98561	2190.160223	2251.763053	2226.295716	1723.91845	1827.75871	2111.221059	2051.593546	2309.59896	2344.390086	2154.977864	2140.787829
Map2b5	2507.176867	2280.													

lbtk	1509.067802	1290.594812	1528.730847	1310.303708	1218.590882	1166.449496	1348.586749	1541.21811	1361.869562	1329.204895	1299.62634	1251.843057	1226.14933	1272.204949	1303.478129
Tpbg	2.74089445	0	4.698997767	0	1.90009783	4.20847683	3.66025859	4.19037005	4.51444723	0.87390199	7.04587099	4.3129285	2.55625495	1.807109303	0.71856572
Ubcv3p1	451.930677	60.91072487	73.81741508	76.7722326	96.9045763	86.2737751	73.9683606	106.78795	118.8506758	119.179708	174.6071414	118.2905681	48.96025663	68.38357765	74.99505369
Dopey1	438.6181367	469.9173274	448.3451369	437.450418	457.494018	442.946431	453.3880149	449.1317909	445.4118009	442.946431	445.3880149	438.6181367	469.9173274	374.07171027	414.614801
Pgm3	293.0228741	282.837357	289.769679	230.316715	240.6780328	255.3142613	263.4208967	266.621325	273.8778046	272.6574143	250.6557352	261.12596	261.5898848	244.8631306	252.9351165
Rwd28a	5.494178829	15.05297816	6.811474239	2.587828259	12.66726489	8.161955069	9.020647448	4.10370065	9.781835406	12.23462756	10.67980188	15.61550918	17.89377062	6.324882561	7.18566572
Me1	6.409875731	0.792262009	3.939795334	1.75218839	7.600359931	1.204238417	3.160658259	9.218814414	0.752414123	2.21705907	3.784827395	3.701412425	6.816674521	2.700322392	7.904622392
l0y65d	1033.104195	1033.104195	1062.574589	1062.574589	1050	1.0443408	1.0443408	1.0443408	1.0443408	1.0443408	1.0443408	1.0443408	1.0443408	1.0443408	1.0443408
Map2	3.662785926	0.192222222	0.111111111	0	0.633363244	0	0	0	0	0.87390199	0	0.87390199	0	0.906554652	2.874262688
Cep162	392.8373092	347.8030221	309.3483713	364.0217151	324.2861911	300.849916	329.2653009	274.0502023	305.4801233	308.3538478	301.89871	295.6732574	320.7619031	329.8216434	329.8216434
Nt5e	61.35166426	64.1732269	57.107745	62.1078721	62.979585	77.85684213	61.3400061	67.11387058	67.81833594	67.89559749	85.0175442	67.3164809	67.3164809	67.3164809	67.3164809
Am14	240.0550387	246.5111284	228.7326829	228.7326829	228.7326829	228.7326829	228.7326829	228.7326829	228.7326829	228.7326829	228.7326829	228.7326829	228.7326829	228.7326829	228.7326829
Synrp3	8428.986113	2626.268347	6385.480477	7959.29715	7846.10387	7923.154815	8379.73129	8548.354933	8544.41477	8476.948098	8844.836904	8172.114761	8238.803243	8019.911465	8019.911465
h1	438.618147	592.6119824	57.248648	437.3429758	488.8847256	493.249399	501.1682598	493.249399	493.249399	535.3628155	542.954777	509.6408253	534.6128599	543.6128599	543.6128599
Zp949	94.3167367	101.7089432	105.7267748	100.1031304	92.47103366	80.66247266	98.32505391	48.6029276	80.5083112	62.04703979	48.23940564	85.0175442	99.8966548	81.9164866	81.9164866
9430037G07rk	0	0	0.156632589	1.75218839	0.633363244	1.042862511	0.902064715	0.839071403	0.752414123	0	3.783428795	0	0.825084315	0	0.71856572
Ht1d1	122.7032395	137.8539895	130.0047794	105.513963	161.5078273	144.491038	121.787365	115.6542138	122.645802	143.3192929	112.7786538	112.7786538	157.2185094	0	0.71856572
933012649	73.1826469	200.0738514	343.024647	355.3909009	411.6861088	326.8583675	406.8311864	456.424851	290.4318153	364.41121	408.6161419	360.8916922	367.2483398	314.0131996	314.0131996
9330159M07rk	0	2.376786026	3.915806472	0.86269042	1.266726489	0	2.70619414	0	1.504828245	0	0.945870699	0	0	2.710663954	1.437313414
Bc12a1a	0.915966482	0	0	0	0.13668122	1.042862511	0.902064715	0.839071403	0	0.87390199	0.945870699	0	0.825084315	0	0.71856572
Bc12a1b	982.7314082	712.243556	73.8221329	699.3849896	679.145453	895.027401	921.0080738	716.553281	730.58413	691.2565474	659.271777	857.9652971	816.2967739	833.890943	809.8205123
MtHfs	111.744708	80.0184628	92.4135984	91.43569848	112.1052942	129.059563	114.1222188	103.9211776	116.821184	103.1204323	81.3448809	97.1631479	71.57508247	121.97878	84.07218362
Tmed3	756.8887834	564.882821	60.3538806	558.970939	473.7557067	502.2115689	543.042958	531.338943	472.516069	590.757731	593.0609281	478.875147	541.9256244	491.5337305	527.4272032
Mor141	4315.677518	4457.26606	4545.90313	4228.511375	4496.879034	4471.508934	4474.129513	4084.77274	4406.13702	4251.533079	4174.127394	474.8719636	4430.83849	4398.322146	4939.059044
Tp12cd2b	982.814986	1060.838829	1117.571167	981.28322	1041.248174	1054.117796	1157.340929	792.8180163	889.353495	884.6761256	956.2757295	1185.91032	1103.770126	1083.597033	1083.597033
h1	1119.20581	1719.20581	192.27901	1352.28339	1352.28339	1352.28339	1352.28339	1352.28339	1352.28339	1352.28339	1352.28339	1352.28339	1352.28339	1352.28339	1352.28339
Mir183e	6.409875731	3.16904034	4.698997767	6.038265984	6.033363244	1.042862511	1.80412938	5.028444078	5.028444078	5.028444078	5.028444078	5.028444078	5.028444078	5.028444078	5.028444078
Psc1	1831392963	1.584520417	0.612830924	2.587828259	2.533452977	0	2.70619414	0.839071403	1.504828245	0.87390199	1.89174398	1.735052312	2.55625495	2.62418606	0.71856572
Psc2	5.44317889	14.26071615	12.0765318	12.0765318	12.0765318	12.0765318	12.0765318	12.0765318	12.0765318	12.0765318	14.18806048	5.205168638	10.22501178	9.03564516	17.24557613
B4305719G15Rk	4.578470838	3.961310043	17.22954848	6.900875731	16.48740459	17.15545083	12.6289601	3.35229825	4.514484735	4.514484735	8.512835829	8.512835829	10.22501178	6.31421866	7.904622392
Pod2	590.322989	540.322989	585.021487	458.045618	418.019742	418.019742	418.019742	418.019742	418.019742	418.019742	418.019742	418.019742	418.019742	418.019742	418.019742
1190002N15Rk	15.6254266	11.04212412	16.66.127167	11.414937	12.02.747828	10.83.11063	11.41.95187	1159.894134	1039.083903	1032.078225	1079.238467	993.3196817	115.024271	1097.818902	1092.219821
Sic19a	127.2818109	127.7131179	150.366985	145.7809919	178.084349	197.7984112	193.943137	115.6542138	113.6145325	12.87702052	20.889105	167.0852058	196.071394	106.9587105	106.9587105
Chst2	553.9967313	657.577447	635.992711	694.4058298	994.302935	992.491120	981.446407	900.929564	818.626554	666.787023	611.0324714	1064.914177	931.328165	986.42789	978.686452
El2u9	203.7691097	263.953761	275.8236402	263.953761	263.953761	263.953761	263.953761	263.953761	263.953761	263.953761	263.953761	263.953761	263.953761	263.953761	263.953761
Pcolce2	2.74089445	2.376786026	7.831512945	6.03265938	2.533452977	4.16953667	1.713292958	4.193070065	3.76270315	6.991215751	4.729353494	6.94022485	17.89377062	4.517773258	6.64709148
Tp1c1	2.74089445	1.584520417	7.08445165	0	5.700289198	2.805651223	2.70619414	0.839071403	1.504828245	0.87390199	1.89174398	6.07286744	5.964590206	4.517773258	1.77848508
Ps1	10.0726613	10.012882	14.0969033	11.2932246	14.5675862	14.0285611	14.0212943	10.8496827	6.011931981	7.86511772	8.512835829	22.5557030	18.7458493	14.66877401	18.68277401
1700656D1Rk	7.13026677	7.13026677	6.325930362	6.325930362	6.325930362	6.325930362	6.325930362	6.325930362	6.325930362	6.325930362	6.325930362	6.325930362	6.325930362	6.325930362	6.325930362
Avr	1090.55451	1090.152524	1079.97425	971.2987055	1065.95034	1072.46018	1122.16895	977.748325	978.133854	1011.104578	1152.070511	1146.04028	1151.16591	892.1030074	1146.04028
Xm1	923.977499	758.1947421	802.7403268	824.6546052	677.0653801	777.8668015	873.1986439	765.1615739	827.6555348	760.1127909	803.990094	830.2243977	815.4496806	771.0975108	822.7576944
Gk5	50.74395841	50.74395841	43.7026386	31.0539311	42.0706386	42.08476834	54.12388299	42.74177467	38.7312025	58.55143192	46.3476624	50.05186838	46.00798638	61.44711631	47.42533435
Tp12cd2	365.3829312	436.5363667	455.886474	443.381247	374.9150406	397.3795955	436.975272	390.5424801	455.2119544	417.7254141	418.1485472	472.0547106	418.3458037	405.271309	405.271309
h1d1b	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361	3629.352361
Rnd7	943.167376	1056.085257	1083.11207	991.133722	972.8459432	1068.91516	1065.415716	1178.332062	101.199692	1120.32431	125.586132	1101.760995	996.938467	1114.08285	932.6982422
Zab2a	977.963428	914.2703578	892.0027414	833.2806994	863.2741019	838.8897156	929.7661737	883.559791	794.5493134	831.0807724	833.3120586	827.8738356	887.7593055	847.5342632	949.9438183
Rsa38	195.0433506	198.0552051	200.4829314	189.7774073	202.672382	201.3054752	206.7173497	165.9386546	157.2545516	141.572119	147.555829	209.9418017	259.8857161	210.5282398	231.3718464
El300011J05Rk	0	0.792262009	0.633363244	0.792262009	0.633363244	0.792262009	0.633363244	0.792262009	0.633363244	0.792262009	0.633363244	0.792262009	0.633363244	0.792262009	0.633363244
1343002N11Rk	7.325571833	7.325571833	7.04845165	8.62004917	10.7671753	4.16455356	10.82477662	7.325571833	2.257242268	13.42231658	7.383422795	6.81674521	11.74621047	14.37133134	14.37133134
Pxy1p1	136.4387758	173.117198	158.9817428	133.1567143	158.9817428	158.9817428	158.9817428	158.9817428	158.9817428	158.9817428	158.9817428	158.9817428	158.9817428	158.9817428	158.9817428
Sic2a3e	423.967417	482.4875632	447.9682604	484.784438	345.1289861	412.4307298	447.4240985	386.35212	447.6864029	449.185612	406.7244005	434.6310781	470.3190787	402.9853476	444.7925109
Nmna3	115.2934532	100.732													

Up1	3447.59257	3494.6672	3503.345761	3647	2268.77877	3075.69513	3200.55958	4853.29661	4294.779812	4546.038042	4765.766841	3091.026343	3042.793098	3287.133812	3124.323542
Up2	2647.275828	2714.419999	2713.419999	2753.384685	2660.28745	2730.428904	2787.376608	2989.451569	2662.141166	2668.966358	2756.276278	2738.096763	2685.769761	2741.384821	2768.818226
1700120080	1.824168334	3.961301034	15.95703236	9.488703616	9.400548664	2.806512232	12.62896001	0	3.762700126	12.2362756	3.342818795	0.670296474	16.1896109	9.03554616	5.748525763
HKdcb	8.91042568	15.95297816	15.97503236	12.93914129	11.50058484	7.103128057	12.62896001	6.704932104	0.028989471	13.10652953	13.73842799	13.37400531	18.74589439	1.724557613	1.74557613
Up3	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137	703.789137
Lamb2	3.66278506	4.75357205	3.13264518	1.75218539	4.43354271	1.715540683	4.43354271	2.51422309	3.00966449	1.747039383	786.511172	3.470112425	5.96459206	5.62137906	1.071856672
Up19	2791.958572	2813.32292	2782.572079	2741.02104	2663.29242	2610.65843	2667.405362	2696.921274	2780.94363	2780.94363	2696.921274	2780.94363	2696.921274	2780.94363	2696.921274
Qars	2943.04872	2719.83475	2943.120145	2825.90849	2742.46284	2875.955152	2871.271987	2867.3014785	2891.794706	2875.904498	2875.904498	2875.904498	2875.904498	2875.904498	2875.904498
Up20	2302.13857	2318.956087	2271.16351	2122.2646	2122.2646	2122.2646	2122.2646	2122.2646	2122.2646	2122.2646	2122.2646	2122.2646	2122.2646	2122.2646	2122.2646
Indr197	7217.72578	6979.83408	7533.84838	7027.96431	6966.95567	6747.91989	6834.94324	8114.403259	7325.50397	7953.81319	8204.46241	6712.932486	6730.614005	6947.31476	6813.4702
Up19	236.249922	182.22062	128.502012	208.751476	211.543236	121.125245	186.452373	186.623411	206.14616	215.554505	147.555829	173.506213	204.502356	229.502815	22.7487926
Midr1	0.91566462	0	0	1.75218539	4.43354271	1.70412806	1.80412943	0.83807403	0.752414123	0	2.87312609	3.470112425	0	0	0
Up20	10.25940612	7.83161294	26.613503	6.96989262	6.96989262	6.96989262	6.96989262	6.96989262	6.96989262	6.96989262	6.96989262	6.96989262	6.96989262	6.96989262	6.96989262
Dair3	387.3396117	356.517938	408.027304	372.472693	390.714625	384.21743	327.449405	400.826390	441.66709	466.763397	446.093291	333.998320	321.714047	351.482397	356.090076
Wdr6	1140.587518	1190.76979	1240.35484	1211.966235	1167.28845	131.37885	1208.668783	1506.857075	1420.578583	1503.11387	1348.66933	1385.42486	1303.68902	1260.45579	1264.67583
Pn4tm	66.8548315	42.7821486	50.9054841	45.50720028	46.1304958	56.13102446	36.1041775	52.7986622	68.4696815	52.431813	74.723782	56.3839261	74.9834197	47.8883953	70.4194385
Anh2	1255.419678	1353.3796	1239.744329	1155.416672	1144.48732	1038.98674	1138.40567	1264.65898	1219.65239	1713.65034	1498.427887	1180.98861	1282.44845	1156.17216	1156.17216
Up19	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298	366.858298
PkrzAr	1334.169774	1217.70672	1398.726072	1425.030761	1217.988728	1106.035242	1298.071125	1406.288194	1490.271852	1385.134621	1432.994109	1249.204713	1313.91404	1231.54490	1281.15929
IpK6	206.031074	204.055386	238.861488	222.553203	226.717355	265.218246	241.985208	239.689177	225.7242319	228.109537	241.178135	256.4773789	260.104606	222.755383	222.755383
NckpAd	139.511878	148.597048	207.537743	181.479781	159.607378	186.263091	196.650718	207.842952	190.2945728	200.945728	195.205380	176.240675	170.416863	185.2287036	171.7971956
Up19	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572	3.15982572
Sc26a	58.60457482	83.18751089	96.87331213	75.041951	86.1374012	92.58649035	76.65700076	103.9211776	75.99382638	57.67759259	95.3254058	69.4022485	64.7584095	64.5217909	86.22789064
Uqcr1	409.301748	4971.570287	5169.64705	5136.839094	4975.06284	5057.88742	4972.953589	5425.691161	5559.85789	5277.49399	5255.120887	4610.91838	4838.98862	5102.37317	4720.25899
Co7a1	0	3.169048034	4.698967767	12.93914129	15.06695954	9.91877928	6.314453003	3.32396205	15.8009657	13.10852953	3.73848279	15.61550991	5.964960206	9.939011672	12.9391621
Ad	46.70052506	57.83512662	78.31612945	66.9805228	47.50204332	48.884767	55.92801232	51.1225148	67.2905161	54.1641814	64.1947098	78.3073699	63.2488813	63.2488813	63.2488813
Sc23	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395	15315.02395
Trx1	572.310301	452.381069	456.5242607	467.1226137	497.190148	488.8487256	506.058305	462.4461907	482.7346854	402.8688077	412.3996247	421.6186597	401.525573	467.7862524	467.7862524
Trp	359.3452276	383.729652	558.394030	558.1082945	409.045402	490.988624	522.234882	408.4417335	552.043801	542.6931227	528.687913	523.9699762	535.108949	493.3408398	566.3854405
Ana7	2289.241204	218.720527	247.139174	215.309627	283.345988	2240.24621	226.888194	2551.43829	2360.4209	2360.4209	2360.4209	2360.4209	2360.4209	2360.4209	2360.4209
Up19	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297	154.458297
PhnB1	13.7354472	15.05297812	17.22954848	23.9004533	14.56732453	11.72684129	10.89496217	7.524121426	13.7032544	7.56695569	14.7477971	10.22501178	15.3604208	23.7126717	23.7126717
3000002C10Rk	3.66278506	20.5988122	14.800646	27.6350143	17.100076	12.6673295	18.0412943	14.83276829	26.3449429	19.2258432	15.8236829	16.4830342	12.7126473	14.83276829	16.8277047
Mem6	162.078272	174.2101484	176.507712	220.829014	179.875614	192.1871088	184.846079	326.010911	234.7821757	289.2161517	278.085984	179.578318	204.500256	183.421594	193.2941658
Up19	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4
Ma4	3923.759424	3764.829084	378.319568	3901.51712	3886.95032	3914.404024	3821.6175	3744.765088	3965.96154	3871.53414	4207.51315	4201.67321	3966.40092	4049.836127	4049.836127
Dhx30	490.474571	2063.25432	2074.594269	1988.31472	2048.90359	2022.17319	2027.304562	2202.189314	2811.248541	2138.81802	2256.84772	2303.122397	2885.96628	1994.151616	2231.86497
Smarc1	209.53635	155.248889	5002.834349	5061.792075	476.65608	471.107255	5262.445468	5958.95367	61.1540826	5138.545377	5063.33802	5108.873018	4185.851668	4726.494382	4940.138995
Up19	22.18	22.18	22.18	22.18	22.18	22.18	22.18	22.18	22.18	22.18	22.18	22.18	22.18	22.18	22.18
Mhr36	15.5664019	6.33906068	11.7474142	4.31304708	15.20071786	20.3409317	11.72684129	8.38704133	9.028969471	6.217005827	2.83761209	8.67520103	3.408337261	14.4568743	8.622788064
Elp6	252.723289	243.224436	275.677757	239.8054187	206.456566	270.0439032	261.596783	248.878263	238.515769	220.7300821	224.051575	242.040341	264.988222	238.5088371	228.5088371
Scp	254.02281	2956.4504	2687.028401	2759.84533	2520.787512	2478.901413	2651.188197	2942.4778	2979.55929	2863.77627	2917.925736	2538.38729	2673.840581	2584.10634	2587.554085
Pn23	1496.24801	1183.32962	1265.92481	1241.294955	1295.37745	1179.77339	1458.71662	1150.57652	1154.95678	1032.76521	1152.07511	1204.129012	1148.164312	1210.79878	1252.459966
Up19	339.37898	697.186194	697.186194	697.186194	697.186194	697.186194	697.186194	697.186194	697.186194	697.186194	697.186194	697.186194	697.186194	697.186194	697.186194
Kir9	28.9221404	27.7291703	27.41064531	36.22995653	14.56732453	14.02826611	18.94359031	19.2757023	20.3518131	16.60431471	15.1393118	12.5557036	15.3375167	25.2995304	26.5869296
Set2	1285.273203	1916.48179	1854.41752	1806.304125	1983.872493	1802.86744	2054.90342	1753.250835	1872.003337	1750.425544	1837.42219	2120.236892	2005.050319	1902.88606	2025.63629
Ncd1	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315	17.39823315
Up19	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618	2209.618
Crdd	78.0674927	959.429238	993.0485213	1025.831721	902.276739	983.813054	993.493881	1100.17126	937.507997	1060.73508	1100.189906	1015.87412	919.389761	1078.44768	878.085018
PhnR1	13.8319263	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prs50	5.49417889	7.92260839	3.13264518	2.587828259	1.90008793	1.00471286	0.902064715	4.193070065	4.541484735	0	7.56695869	0.86752106	8.52084312	7.228437213	5.748525376
Up19	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
AlSc21	874.490139	1130.55788	1033.77209	939.381658	893.657337	820.783012	918.3018796	862.3781594	866.0286551	911.4977536	932.628509	956.015731	1088.407502	958.42789	1059.884366
Gm590	0	0	0	0	0	3.45043769	0	4.28047834							

Ppp1r3f	67.76153964	75.26489081	84.5814198	42.26786156	55.7359655	72.24551899	66.75278889	51.12251446	57.93588847	80.39898114	52.96875913	62.46202365	60.49798638	66.86304422	51.01816271
Ppp1r3fos	12.81970574	7.13045839	1.31245178	5.17566558	0.23722176	6.137215251	7.21651777	6.740592104	6.01931298	4.369509845	6.017980188	6.785281063	7.668758836	10.84265582	12.9348121
Foxp3	306.7583213	306.7484237	342.2414857	284.6841085	283.7467334	173.243261	258.96481	347.6153246	347.6153246	270.9604904	292.2740459	267.8392174	266.204043	217.7556671	178.9228623
Ccdc22	308.1055495	308.1055495	286.174254	286.174254	286.174254	286.174254	286.174254	286.174254	286.174254	286.174254	286.174254	286.174254	286.174254	286.174254	286.174254
Syp	17.39623315	47.53572051	32.89277437	22.4278491	19.0089733	16.13244553	27.96400616	63.61169901	40.03632662	50.6863142	26.48437957	42.50687721	34.08337621	39.75640467	31.6168957
Prickle3	169.4073841	143.3994235	144.8848395	151.1162138	136.8064608	118.5387642	10.1291633	144.9860043	144.4613511	102.2456304	128.638415	134.4668565	110.770661	124.6905419	122.1561642
Pp2	2597.176967	2473.441191	2697.207488	2476.276883	2668.99712	6840.819214	2746.707757	2182.3447	2182.3447	217.727856	2159.41746	2394.944609	2645.960724	2586.92732	2724.02088
Magix	0	3.180940404	0	0.763495124	0	0	0	0	0	0	0	2.55625520	0	0	0
Gpkoiv	901.0453379	965.155013	920.214521	870.273904	932.4045088	913.2684816	901.262501	995.6319275	969.1003899	995.3743246	941.1413453	864.925522	860.1551347	952.3469806	953.4256661
Praf2	264.6326832	204.055868	256.6789046	257.0576071	245.1157575	242.6888308	233.4278693	197.7854671	256.5732158	225.467708	203.3622002	246.3778922	257.3294632	320.7619031	234.2524091
Wdr5	356.2059313	353.3488586	309.3487113	336.4176737	207.9473616	239.503268	274.2338706	321.3934512	322.786566	367.9127289	299.8410115	294.9955651	319.5318182	379.0765897	339.8815628
Ccdc120	17.13052587	7.13052587	0.23722176	5.17566558	0.23722176	6.137215251	7.21651777	6.740592104	6.01931298	4.369509845	6.017980188	6.785281063	7.668758836	10.84265582	12.9348121
Trp1	840.6093701	383.5471264	332.7451017	379.861008	373.4070139	796.105345	855.1573496	896.739194	846.5238208	724.464732	769.8387488	876.2033873	881.0561819	877.3515667	883.1172108
Gripa3	474.3730775	480.110772	556.1287126	547.7569815	525.6914927	509.2256697	547.5552346	552.6021617	552.6021617	530.927201	553.027201	553.027201	553.027201	553.027201	553.027201
Kcnd1	11.64151371	10.10166812	6.265290356	12.9394129	6.33632443	7.04121897	5.41238829	25.1422309	6.71727103	11.3607256	19.8632467	10.41037278	11.8937706	24.9127688	24.9127688
Otdus	3693.919607	3428.11711	3740.187896	3410.556957	3423.114158	3435.519922	3360.119063	2688.670459	2845.33012	3045.548362	3248.11998	3099.677924	3146.747376	3100.99564	3462.04948
Ptm2	9728.35942	9734.836347	9874.079167	9811.367144	7683.25503	8359.437818	8544.556978	6913.275534	7583.721286	8590.856393	7831.176215	8128.032282	7702.893405	8228.29551	7702.893405
Sc3a2	527.859652	297.8905152	294.4666467	306.3637346	302.7476308	311.4272857	306.5061325	363.1552401	287.4221498	320.9915324	331.0547446	335.0839393	362.1358339	314.473077	278.8034087
Pqbp1	1584.159413	1519.558532	1474.692718	1450.046434	1412.400305	1372.661486	1519.790484	1393.470955	1434.70955	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464
Tamm17b	871.7430504	765.3251002	716.158907	728.0423502	720.9787818	758.722473	856.7656085	799.1817795	696.734775	739.3210657	763.3167359	828.4893415	791.5663288	793.3208841	724.3141973
Gtm2	974.283942	974.283942	9874.079167	9811.367144	7683.25503	8359.437818	8544.556978	6913.275534	7583.721286	8590.856393	7831.176215	8128.032282	7702.893405	8228.29551	7702.893405
Sc3a2	527.859652	297.8905152	294.4666467	306.3637346	302.7476308	311.4272857	306.5061325	363.1552401	287.4221498	320.9915324	331.0547446	335.0839393	362.1358339	314.473077	278.8034087
Pqbp1	1584.159413	1519.558532	1474.692718	1450.046434	1412.400305	1372.661486	1519.790484	1393.470955	1434.70955	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464
Tamm17b	871.7430504	765.3251002	716.158907	728.0423502	720.9787818	758.722473	856.7656085	799.1817795	696.734775	739.3210657	763.3167359	828.4893415	791.5663288	793.3208841	724.3141973
Gtm2	974.283942	974.283942	9874.079167	9811.367144	7683.25503	8359.437818	8544.556978	6913.275534	7583.721286	8590.856393	7831.176215	8128.032282	7702.893405	8228.29551	7702.893405
Sc3a2	527.859652	297.8905152	294.4666467	306.3637346	302.7476308	311.4272857	306.5061325	363.1552401	287.4221498	320.9915324	331.0547446	335.0839393	362.1358339	314.473077	278.8034087
Pqbp1	1584.159413	1519.558532	1474.692718	1450.046434	1412.400305	1372.661486	1519.790484	1393.470955	1434.70955	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464
Tamm17b	871.7430504	765.3251002	716.158907	728.0423502	720.9787818	758.722473	856.7656085	799.1817795	696.734775	739.3210657	763.3167359	828.4893415	791.5663288	793.3208841	724.3141973
Gtm2	974.283942	974.283942	9874.079167	9811.367144	7683.25503	8359.437818	8544.556978	6913.275534	7583.721286	8590.856393	7831.176215	8128.032282	7702.893405	8228.29551	7702.893405
Sc3a2	527.859652	297.8905152	294.4666467	306.3637346	302.7476308	311.4272857	306.5061325	363.1552401	287.4221498	320.9915324	331.0547446	335.0839393	362.1358339	314.473077	278.8034087
Pqbp1	1584.159413	1519.558532	1474.692718	1450.046434	1412.400305	1372.661486	1519.790484	1393.470955	1434.70955	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464
Tamm17b	871.7430504	765.3251002	716.158907	728.0423502	720.9787818	758.722473	856.7656085	799.1817795	696.734775	739.3210657	763.3167359	828.4893415	791.5663288	793.3208841	724.3141973
Gtm2	974.283942	974.283942	9874.079167	9811.367144	7683.25503	8359.437818	8544.556978	6913.275534	7583.721286	8590.856393	7831.176215	8128.032282	7702.893405	8228.29551	7702.893405
Sc3a2	527.859652	297.8905152	294.4666467	306.3637346	302.7476308	311.4272857	306.5061325	363.1552401	287.4221498	320.9915324	331.0547446	335.0839393	362.1358339	314.473077	278.8034087
Pqbp1	1584.159413	1519.558532	1474.692718	1450.046434	1412.400305	1372.661486	1519.790484	1393.470955	1434.70955	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464
Tamm17b	871.7430504	765.3251002	716.158907	728.0423502	720.9787818	758.722473	856.7656085	799.1817795	696.734775	739.3210657	763.3167359	828.4893415	791.5663288	793.3208841	724.3141973
Gtm2	974.283942	974.283942	9874.079167	9811.367144	7683.25503	8359.437818	8544.556978	6913.275534	7583.721286	8590.856393	7831.176215	8128.032282	7702.893405	8228.29551	7702.893405
Sc3a2	527.859652	297.8905152	294.4666467	306.3637346	302.7476308	311.4272857	306.5061325	363.1552401	287.4221498	320.9915324	331.0547446	335.0839393	362.1358339	314.473077	278.8034087
Pqbp1	1584.159413	1519.558532	1474.692718	1450.046434	1412.400305	1372.661486	1519.790484	1393.470955	1434.70955	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464
Tamm17b	871.7430504	765.3251002	716.158907	728.0423502	720.9787818	758.722473	856.7656085	799.1817795	696.734775	739.3210657	763.3167359	828.4893415	791.5663288	793.3208841	724.3141973
Gtm2	974.283942	974.283942	9874.079167	9811.367144	7683.25503	8359.437818	8544.556978	6913.275534	7583.721286	8590.856393	7831.176215	8128.032282	7702.893405	8228.29551	7702.893405
Sc3a2	527.859652	297.8905152	294.4666467	306.3637346	302.7476308	311.4272857	306.5061325	363.1552401	287.4221498	320.9915324	331.0547446	335.0839393	362.1358339	314.473077	278.8034087
Pqbp1	1584.159413	1519.558532	1474.692718	1450.046434	1412.400305	1372.661486	1519.790484	1393.470955	1434.70955	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464
Tamm17b	871.7430504	765.3251002	716.158907	728.0423502	720.9787818	758.722473	856.7656085	799.1817795	696.734775	739.3210657	763.3167359	828.4893415	791.5663288	793.3208841	724.3141973
Gtm2	974.283942	974.283942	9874.079167	9811.367144	7683.25503	8359.437818	8544.556978	6913.275534	7583.721286	8590.856393	7831.176215	8128.032282	7702.893405	8228.29551	7702.893405
Sc3a2	527.859652	297.8905152	294.4666467	306.3637346	302.7476308	311.4272857	306.5061325	363.1552401	287.4221498	320.9915324	331.0547446	335.0839393	362.1358339	314.473077	278.8034087
Pqbp1	1584.159413	1519.558532	1474.692718	1450.046434	1412.400305	1372.661486	1519.790484	1393.470955	1434.70955	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464	1404.360464
Tamm17b	871.7430504	765.3251002	716.158907	728.0423502	720.9787818	758.722473	856.7656085	799.1817795	696.734775	739.3210657	763.3167359	828.4893415	791.5663288	793.3208841	724.3141973
Gtm2	974.283942	974.283942	9874.079167	9811.367144	7683.25503	8359.437818	8544.556978	6913.275534	7583.721286	8590.856393	7831.176215	8128.032282	7702.893405	8228.29551	7702.893405
Sc3a2	527.859652	297.8905152	294.4666467	306.3637346	302.7476308	311.4272857	306.5061325	363.1552401	287.4221498	320.9915324	331.0547446	335.0839393	362.1358339	314.473077	278.8034087
Pqbp1	1584.159413	1519.558532													

lds	352.54135454	430.1982706	343.024647	328.6541889	317.3149854	344.3936876	374.3568566	382.999824	346.1104964	343.4434738	422.8042024	409.4732662	427.7463262	326.1832292	382.2769375
111001219Rik	114.4062602	109.3213572	134.7037427	121.1392246	122.8774694	140.9839739	128.989954	133.0106562	157.2545516	120.4273377	129.7100111	117.1162943	140.8063708	126.4976512	107.7488508
BC035329	42.0220641	37.9089761	39.8290018	25.3238282	281.8468437	37.2949152	25.0107191	29.9468208	34.3510637	348.7452887	348.7452887	348.7452887	350.5792048	350.5792048	350.5792048
Htm1	101.664883	98.5621003	98.5621003	81.9478949	81.9478949	81.9478949	81.9478949	81.9478949	81.9478949	81.9478949	81.9478949	81.9478949	81.9478949	81.9478949	81.9478949
Mtmr1	1187.658337	1222.406279	140.0175566	1264.586409	1245.192138	1259.035986	1273.715377	1230.804645	1489.027549	1316.970267	1338.407039	1413.203285	1449.38542	1461.95426	1448.628395
Cd992	292.101776	270.953609	302.300729	278.876237	25.7449388	290.384916	283.244380	279.9167204	290.384916	291.8832576	270.5190198	343.511301	259.0336318	330.5334641	320.347136
Hmgp3	90.9110343	95.8733447	105.6917231	96.7847788	988.6800243	101.437296	102.549645	988.9273354	94.942086	100.430167	992.218363	121.141933	119.239729	117.038793	116.770893
Vma21	640.967537	710.659927	679.7840036	679.7840036	679.7840036	679.7840036	679.7840036	679.7840036	679.7840036	679.7840036	679.7840036	679.7840036	679.7840036	679.7840036	679.7840036
Gml141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cetn2	60.8422145	160.663447	595.202687	544.3065438	636.5300605	627.0630483	621.5275885	561.5095887	654.602866	657.1742806	634.6792389	695.751439	616.900442	693.0264178	576.2896689
Nsdhl	1086.931724	1160.663447	1126.185941	110.979284	1086.217964	1407.910732	102.111661	105.135182	595.569357	1084.512343	1083.967821	1132.124179	116.680476	1062.641169	1082.219821
Zfp185	0	0.79226505	0	0	0	0	0	0	0	0	0	0	0	0	0
Xr3a	6.17765174	0.40459582	197.3566462	167.3462274	209.009076	243.3902436	224.614114	248.099079	228.7338933	255.1793749	264.8437957	226.4248357	201.943827	107.715699	223.473924
Xr5a	0.406875371	0.792622009	3.132645178	0	0	0	0	0	2.257242388	0.873901969	11.35044389	11.27786535	15.33751767	9.939107167	9.939107167
Xr5b	0.91596462	2.376786026	0	0	0	0	0	0	1.676182046	9.028969471	0	0	0	0	0
Xr3b	32.48274235	31.32645178	40.5426472	21.5433949	26.63588662	36.0825889	39.0947861	22.57423388	6.019312981	1.747809338	0.945870699	0	0.952384315	0	0
Xr4b	239.3212782	221.0411004	268.24324	272.5845766	260.9456566	263.7312149	221.005851	329.3630871	258.8304582	305.865691	299.8410115	281.9466345	275.2232338	277.391278	275.921398
F8a	267.9397476	226.9567627	216.9356786	243.2558563	253.3452977	236.3761129	238.089851	258.96487	266.345994	260.4227867	303.624943	249.8480946	230.9184894	237.1217989	231.871644
Xr4c	98.8952001	95.86370303	107.293073	106.6887669	100.7047558	100.7047558	100.7047558	100.7047558	100.7047558	100.7047558	100.7047558	100.7047558	100.7047558	100.7047558	100.7047558
Zfp75	40.9163273	40.3931704	436.220841	47.5942888	369.8041347	333.872495	442.913775	434.9601128	419.8470804	442.913775	442.913775	442.913775	442.913775	442.913775	442.913775
Zfp92	0.91596462	2.376786026	2.349483883	0	0.633635244	4.208476834	5.41238828	8.865618091	0	0	0	0	0	0	0
Haus7	420.304685	409.599484	422.3050346	399.3881613	433.858223	429.9660499	422.1662685	476.0260394	425.113979	392.381984	400.9068927	497.961133	439.6755066	448.946842	408.863673
Zfp55974	37.54535574	35.65179308	47.7728396	39.6800333	21.5343501	17.5352014	27.9640615	24.30414638	25.58200817	62.04703979	33.10547446	32.96606038	25.56252945	24.39597559	24.39597559
Cncp	0.91596462	2.376786026	1.566322589	0.86260942	1.90080973	2.10428471	0	0	0	0	0	0	0	0	0
21cd6108	21.36714018	21.36714018	25.9434272	26.7409001	17.7430194	18.931451	12.62969042	17.5995519	6.019312981	20.09974748	22.7008967	36.43618019	24.4161377	2.71065965	2.155697016
Bac331	2030.0991	2006.799668	2133.755044	2153.071131	2143.934582	2064.528276	2064.755885	2083.451996	1958.93361	1997.739901	1906.875329	2432.47683	1970.18937	2127.871204	2062.23479
Abcd1	404.7347849	413.587815	523.147147	546.8943721	537.0920311	455.918327	521.3934051	463.454922	156.1560881	474.8270908	564.7607972	510.3855018	498.358448	499.403142	0
Spk3	1.831392673	1.584520147	1957.903238	1990.33931	1944.425165	2104.39836	2052.197728	2104.39836	2052.197728	2104.39836	2052.197728	2104.39836	2052.197728	2104.39836	2104.39836
Idh3a	209.932022	189.582682	195.703238	195.703238	195.703238	195.703238	195.703238	195.703238	195.703238	195.703238	195.703238	195.703238	195.703238	195.703238	195.703238
Idh4	120.937248	120.937248	117.6754773	117.6754773	117.6754773	117.6754773	117.6754773	117.6754773	117.6754773	117.6754773	117.6754773	117.6754773	117.6754773	117.6754773	117.6754773
Zfp128	10.0726613	11.09166812	2.349483883	6.90087537	38.00817966	3.90071946	5.70706429	9.92711863	12.5711102	10.53397772	13.9824315	11.35044389	5.205166838	4.260421576	1.437131344
Lcam	33.88076982	34.06726637	31.32645178	43.1300478	32.0152546	28.75792503	45.10323574	24.5122039	36.68829201	24.46925314	40.73821	46.8526433	28.91374885	47.4253435	0
Avr2	0	0.39613043	0.11009683	0.93007857	3.11681221	2.89655123	6.31440353	5.028444078	3.67270613	1.747809338	17.97154328	6.94022485	0.862084315	2.71066395	5.748525376
hmgp8a7	1052.916911	1052.916911	95.45866949	138.781713	95.45866949	138.781713	95.45866949	138.781713	95.45866949	138.781713	95.45866949	138.781713	95.45866949	138.781713	95.45866949
Renb1	1781.029657	1881.62227	1823.982655	1767.48671	1883.627288	1823.673295	1758.124129	197.130373	1782.469056	1925.206037	1854.85244	1689.944751	1766.370785	1770.06352	1766.952987
Naap3	63.1393673	49.1250564	56.3876132	41.40525214	41.8019742	50.5017201	50.5017201	33.52296053	32.3538077	62.92094176	72.81038439	44.30838439	49.7173035	36.54684927	0
Hcfc1	90.91369705	93.2442984	91.6242952	93.8918168	93.8918168	90.91369705	90.91369705	90.91369705	90.91369705	90.91369705	90.91369705	90.91369705	90.91369705	90.91369705	90.91369705
Hcfc1	133.701703	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126	134.7354126
Hmgp2	825.0452697	780.7380784	826.5844696	831.555485	793.036795	665.640756	856.0541935	737.5051531	629.770026	687.818733	945.343959	809.1420353	688.508445	809.823513	0
Ena	10653.21287	10724.88501	11129.50561	11701.29678	11263.73194	10850.15449	12731.3419	11847.85232	11201.94146	10788.31981	11416.65933	11906.82326	1206.9599	11581.76352	11971.34049
Fmd	1479.765514	1480.737694	1486.87556	1369.63775	1460.46429	1476.473956	1451.422126	1381.145974	1435.06146	1358.809032	1250.41064	1381.104745	1274.71813	1386.05248	1383.957404
Dnsl10	26283.11127	27376.6137	27456.0686	26979.83458	27054.11098	26413.0054	27052.01373	27778.3931	29528.1906	27136.94304	27496.461121	26907.25174	26958.66938	27618.95503	2675.43281
31dnr074	8.24162533	13.46854414	14.8805646	14.8805646	14.8805646	14.8805646	14.8805646	14.8805646	14.8805646	14.8805646	14.8805646	14.8805646	14.8805646	14.8805646	14.8805646
Rosee11	56.8574838	37.236314	53.25496803	87.9961086	53.2052152	48.3835554	48.7114546	56.1238848	45.14484735	51.50021617	47.7327852	66.79966418	58.7938175	55.1168357	65.3894715
Taz	154.7527054	154.2201484	187.9587107	211.3393078	183.019776	199.2012368	211.083143	195.212745	206.146169	182.6455115	177.8236914	235.9676449	179.789795	187.9393675	241.830668
App621	1287.469253	1252.566235	1007.0692	1250.78658	1221.62388	1231.68087	1262.89001	1296.50048	1268.72723	1232.201776	1310.976788	1196.321259	1238.93094	1246.97612	1340.843544
Gtd1	67.0369129	59.338978	60.9294871	60.9294871	60.9294871	60.9294871	60.9294871	60.9294871	60.9294871	60.9294871	60.9294871	60.9294871	60.9294871	60.9294871	60.9294871
Fam5a2	66.8458315	61.0041745	50.9054814	47.4435108	65.2964146	56.11302446	57.7321475	57.2666117	52.6688888	72.3536628	60.5372472	59.7417334	56.0203884	71.13800152	0
Lage3	347.0489665	302.644027	385.3135482	333.8298454	338.2159742	375.2558511	354.5113249	424.064506	419.8470804	395.036699	398.698729	378.2422543	412.080885	386.7213909	340.6001285
Ubl4a	109.885738	133.100074	108.859419	125.078358	103.871571	134.6712587	127.119128	122.3588059	151.2352366	132.421897	109.3085414	120.995978	127.4012969	136.5274777	0
Scilb4a	0.91596462	2.376786026	0	0	0	0	0	0	0	0	0	0	0	0	0
Scilb3a	229.839169	241.6399126	260.7927111	207.026267	252.0785712	240.5845924	228.2237278	298.354398	230.9911356	225.466708	226.063097	240.3052854	228.95669	241.7317885	240.322882
Fam3a	167.5724561	186.973834	216.9356786	214.789745	180.5085246	172.5475002	115.0436924	170.0459117	170.0459117	162.6897602	169.178907	179.789795	120.523338	153.7730538	0
Ikbk3	651.0601984	675.799493	673.5187133	643.5066271	656.7978843	647.4040197	672.9402772	590.8421792	590.8421792	586.4879664	6				

Sh3bgr1	1047.556775	1104.41324	1257.757039	1105.002667	939.2776913	906.9267578	997.6835745	1825.056008	1622.957262	1727.704193	1550.282075	1007.200131	1029.317853	1075.230035	967.1893945
RpskA6r	4,578482408	7.130358077	5.482129061	8.626094197	3.800179466	5.700540429	9.020647448	0.838074013	7.524141226	8.739019689	5.675224193	6.205294319	0	1.807100933	2.155660716
Apol1	389.1099856	329.880956	347.7231487	320.4889347	354.8834186	333.8724965	305.7999383	350.3140783	276.1530222	294.1051873	301.0325229	308.4545221	342.4472129	320.4889347	0.82878897
0.9p711	0.26694842	0.236572589	0.18632588	0.16265042	0.170342689	0.134267549	0.124640723	0.134545421	0.125140993	0.124180783	0.108294319	0	0	0	0
Chm	706.9176838	656.7852051	755.7506492	616.7657351	561.7931977	581.4712529	550.9523882	607.805695	642.5616607	716.5996145	703.7277999	572.5685501	650.9821498	636.1024747	497.9660107
Dach2	3.662789585	7.130358077	3.915806472	5.175665518	5.700269198	8.627125251	2.706194144	0.838074013	0.30096649	0.30096649	0.30096649	0.30096649	0.30096649	0.30096649	0.30096649
Kiia	8313129963	3.961310043	3.915806472	1.72521839	0.63336244	0	1.8041294	5.866518091	12.7910408	0	7.56695695	2.602594319	2.55625495	0.90354625	0.17856672
Cdn34c1	7.130358077	0	2.340438812	0	0.20382308	0.696956867	4.260438812	0.20382308	0.752414123	0.873001969	0.845807699	0.845807699	0.845807699	0.845807699	0.845807699
Dhpa2	403.8221484	365.2327859	376.7005826	421.2372036	280.5134599	284.0721863	359.328212	425.2858027	445.4204606	423.8424549	416.1831075	320.117872	300.9461848	329.903385	360.0014017
Tspn6	20.14532259	44.36667248	38.7349043	37.0922055	35.1805238	41.0652664	27.964863	27.964863	27.964863	27.964863	27.964863	27.964863	27.964863	27.964863	27.964863
Cs2t1	2037.424671	2040.072908	2076.943753	2042.659106	1903.255649	2064.9593	2080.161232	2054.95748	2215.895991	2151.546647	2177.394349	1977.964082	1909.516741	2063.718824	2049.349296
Nox1	9.180798616	3.168926964	0.783161284	0.626094197	0.506905054	6.312715251	3.608258859	1.676180426	3.762070013	3.465607876	5.675224193	4.337840531	5.112505981	4.517773259	2.874262688
Xhrx	5.494178889	2.376780025	0.783161284	0.626094197	0.506905054	6.312715251	3.608258859	1.676180426	3.762070013	3.465607876	5.675224193	4.337840531	5.112505981	4.517773259	2.874262688
At13a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tmt2b	37.6158067	409.959484	432.3050346	375.2350975	324.0161519	375.912639	423.0889984	351.991085	468.010053	361.795451	410.507833	418.1485472	455.0130342	376.7822897	413.8938271
Tmm3	45.4624808	5.54583496	3.12645178	7.76384477	3.800179466	7.014129267	4.51032574	0.105688816	0.67172103	0.369509845	6.621094891	4.337404531	0	5.42137909	5.748525376
Cngl1	382.7611293	329.831466	500.440617	465.800963	444.630975	590.689328	415.851835	455.1502993	515.1560881	480.961022	420.886034	420.9296517	405.330456	434.048181	0
Drp2	2.74098445	8.714882094	3.915806472	6.900875357	12.03390164	9.118366474	9.020647448	7.542666117	25.52800187	4.369509845	19.86328467	16.4830402	12.78126473	7.228372134	8.622780064
Tmm8a1	413.8948097	366.8173099	407.2438731	357.9829092	374.316774	388.5826944	420.3208628	419.8758005	426.6188075	406.7244005	384.3149511	394.3545692	393.0426734	382.2710811	0
Bik	0.915664662	0	0	0.86260942	1.266726489	0	0	0	0	0	0.945870699	0	0.852084315	0	0
Rpl95a	5549.204982	5264.581497	5366.221147	4738.313542	5488.725875	5500.583461	5574.759897	4853.28681	4815.450395	4884.238014	4730.293965	5235.32121	5002.507014	5525.239694	4846.609086
Cla	238.9967817	190.935144	75.903236	221.900628	162.7743538	45.8938636	50.6448074	148.330103	171.5504199	159.8214851	171.770565	157.6359583	162.638973	160.2401448	0
Hmnhp2	1877.177787	4827.748544	1779.342461	1758.860601	1615.709636	1597.116959	1735.572511	1858.848611	1664.300439	1699.73933	1975.92389	1790.57801	1570.181183	1563.149547	1722.01916
Acm54	604.396778	495.163755	525.501286	496.8630257	429.402796	398.4024736	448.316251	427.417467	474.0208972	392.381884	489.961022	452.8496715	399.6275438	413.8280304	409.582433
Acm3	10.0726613	26.14464826	3.13374201	8.1417981	7.700358931	6.149953697	13.53097072	12.5711102	30.84897093	4.369509845	11.35044839	17.3506213	8.520043152	24.39597559	4.311394032
Acm4	50.70540954	60.7408654	56.985481	56.3686821	52.34802539	23.84002539	20.741748623	20.09821631	20.09821631	20.09821631	20.09821631	20.09821631	20.09821631	20.09821631	20.09821631
Acm3	73.25571853	70.5113876	75.5329615	68.1461415	98.90278172	53.30737323	50.5154603	95.5569357	100.3114703	95.0684077	101.9473343	55.0640797	48.95103137	48.95103137	48.95103137
Acm5	32.0527251	32.1439434	34.7236148	28.81115462	30.6134599	28.7179981	39.1366929	42.6987677	273.8784066	268.2879045	391.5904693	244.642926	395.3671222	354.193424	328.384521
Nzf2	19.2296211	14.26071615	14.096903	6.900875357	7.600358931	9.8177929	8.11858423	9.410370065	9.781838394	7.86511772	12.29631908	14.74797781	7.668758836	7.668758836	7.668758836
Zmat1	10.1103593	62.3686867	42.2678656	34.84394784	39.27911712	56.83007703	44.14792269	39.27911712	29.34415078	52.43418113	27.4302526	59.8594393	35.78542142	52.40616997	37.36541477
4334.44.22Rk	4.578482408	7.130358077	5.482129061	8.626094197	3.800179466	5.700540429	9.020647448	0.838074013	7.524141226	8.739019689	5.675224193	6.205294319	0	1.807100933	2.155660716
Acm3	73.25571853	84.77203491	86.1474239	75.7041951	80.4731202	93.28790316	58.6821262	53.3673884	57.93588744	79.4531387	59.48573926	98.48745702	97.0063657	97.0063657	97.0063657
Gprap1	30.5059594	12.381353	21.3900006	12.353147	16.3060904	12.0118105	11.6605941	18.86905049	133.9297138	127.5869819	170.2567258	148.3473062	149.1147552	163.5433919	140.8388717
Gprap2	12.81975074	7.92262058	8.61474239	8.626094197	5.06695054	4.20841863	13.53097072	22.62799835	22.62799835	22.62799835	22.62799835	22.62799835	22.62799835	22.62799835	22.62799835
Rhhb1a	67.6139616	69.4121514	67.7434517	61.5621356	61.4951070	646.703569	722.4191378	722.4191378	722.4191378	722.4191378	722.4191378	722.4191378	722.4191378	722.4191378	722.4191378
Axm2	29.30228741	24.56012226	41.5075861	30.19132969	30.40143573	27.35509942	29.76813559	30.1766647	26.33449429	37.57778466	30.26786236	50.31663016	21.30210788	46.9848148	20.11938862
Axm1	83.13192963	2.376780026	0	0	0	1.402825611	0	0	0	0	0	0	0	0	0
Bex2	2.74098445	1.584524017	2.34493883	7.76384477	3.166816221	4.208476834	3.608258859	12.571102	7.524141813	5.24341813	1.891741398	12.1453949	5.96495026	0.935546516	2.155660716
Be1	2.54583496	1.614774229	1.7521839	3.166816221	0.16011286	3.608258859	12.571102	7.524141813	5.24341813	1.891741398	12.1453949	5.96495026	0.935546516	2.155660716	2.155660716
Be6	6.409875357	14.26071615	14.096903	6.038265038	1.90089733	12.4263403	9.020711863	17.3303618	3.762070013	7.86511772	8.512836289	2.602594319	2.55625495	0.90354625	0.17856672
Wbp5	382.7611293	368.401232	420.556151	312.2646099	328.082165	374.5544383	401.4187981	356.181455	375.454672	422.9685529	314.9749427	486.0768618	362.897183	399.371156	421.7980494
Nfgr1	27.9787028	70.8828256	693.0977456	567.5969891	597.2615394	687.3845496	401.4058008	572.4054509	501.8602198	593.3794369	560.9013244	681.0095634	646.8791099	694.8335271	661.7989839
TcoB5	73.25571853	0.79262058	5.482129061	2.58762859	0	2.806551223	1.8041294	0.838074013	0.50428425	0.93013969	1.891741398	0	0	0	0
Morf42	2028.995454	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919	2051.724919
CCo65397	11.90405426	11.09166812	4.698997767	4.330703075	5.70269198	4.90898964	5.814238829	8.38074013	0.752414123	18.35149135	3.783425815	12.7786538	4.38037261	9.93910167	7.18566672
Gir4	0.915664662	0.962120099	2.349483883	0	1.266726489	1.402825611	0.180412943	0.838074013	0	0	0	0	0	0	0
Plp1	2.74098445	3.961310043	4.698997767	3.45043769	6.33632443	2.104238417	8.11858423	7.542666117	8.72655348	13.1085293	3.783482796	3.470112425	6.816674521	5.42137909	2.874262688
Sh3b15b1	70.6966227	110.1244192	119.823672	121.6279282	0	1.90089733	0	0	0	0	0	0	0	0	0
Sh3b15b2	86.5667596	153.886926	148.3682259	148.3682259	148.3682259	148.3682259	148.3682259	148.3682259	148.3682259	148.3682259	148.3682259	148.3682259	148.3682259	148.3682259	148.3682259
Zochc18	228.0084239	221.041004	250.116042	209.614089	184.902678	178.3814575	231.8306317	266.507362	286.697807	214.1059824	258.2539416	189.481069	234.326317	204.203513	227.785318
Rmf128	83.13192963	8.714882094	3.915806472	9.48870316	3.800179466	7.118544763	8.14277658	0	0	0	0	0	0	0	0
Tcf4b2	121.074521	188.585456	185.1406044	185.1406044	185.1406044	185.1406044	185.1406044	185.1406044	185.1406044	185.1406044	185.1406044	185.1406044	185.1406044	185.1406044	185.1406044
Rbm41	238.9967817	190.935144	202.417806	190.935144	190.935144	190.935144	190.935144	190.935144	190.935144	190.935144	190.935144	190.935144	190.935144	190.935144	190.935144
Ppys1	2200.148645	2094.74075	2157.60586	2187.5774											