

**The 1336 differently expressed mRNAs in OGD/R cells (vs. control cells) and in TAK-242+OGD/R cells (vs. OGD/R).**

geneID	RBME C_OG D-R RPKM	RBMEC _NC-RP KM	log2 Ratio(RBMEC_ NC/RBMEC_O GD-R)	Up-Down-Regulation( RBMEC_NC/RBMEC _OGD-R)	P-val ue	FDR	RBME C_OG D-R RPKM	RBMEC_OG D-R_inTLR4- RPKM	log2 Ratio(RBMEC_OG D_inTLR4/RBME C_OGD)	Up-Down-Regulation(RBM EC_OGD_inTLR4/RBME C_OGD-R)	P-val ue	FDR
Ccnd2	0.001	1.82890 4622	10.83676412	Up	1.03 E-06	3.17 E-06	0.001	2.279818205	11.15470307	Up	2.56 E-08	8.86 E-08
Spink 5	0.001	0.49042 0899	8.937876649	Up	1.15 E-05	3.18 E-05	0.001	0.643990106	9.330894713	Up	2.48 E-07	7.94 E-07
Tgm1	0.001	0.88944 2705	9.796757864	Up	2.70 E-06	8.00 E-06	0.001	0.549628532	9.102313087	Up	0.00 0356	0.00 0848
Kcnh8	0.001	0.52469 8333	9.035344397	Up	3.01 E-05	8.02 E-05	0.001	0.464246726	8.858747925	Up	9.12 E-05	0.00 0230
Clic5	0.001	0.33906 7934	8.405430545	Up	3.01 E-05	8.02 E-05	0.001	0.414290131	8.694497645	Up	2.41 E-06	7.05 E-06
Cacna 1d	0.001	0.31281 5869	8.289169893	Up	1.66 E-06	5.03 E-06	0.001	0.248533272	7.957295195	Up	2.33 E-05	6.26 E-05
Rsad2	0.3999 83837	18.3412 8208	5.519008975	Up	1.46 E-13	5.87 E-13	0.3999 83837	24.93773955	5.962245186	Up	4.50 E-19	2.80 E-19
Txnip	0.1572 36535	20.0009 2744	6.990986615	Up	3.20 E-12	1.13 E-12	0.1572 36535	8.53107981	5.761719981	Up	3.53 E-51	5.17 E-50
LOC5	0.3405	4.29673	3.657281352	Up	5.32	2.09	0.3405	6.790232633	4.317501457	Up	3.99	2.27

00300	54959	5285			E-10	E-09	54959				E-17	E-16
Egr1	1.5058	22.8923			4.03	6.90	1.5058				6.02	1.37
	46158	0371	3.92621636	Up	E-61	E-60	46158	28.14811563	4.224392052	Up	E-80	E-78
Pla2g	0.0507	0.88167			2.01	5.45	0.0507				8.03	2.25
4a	46537	2411	4.118861438	Up	E-05	E-05	46537	0.933988974	4.202024239	Up	E-06	E-05
Ccl2	1.2897	15.6627			7.09	4.69	1.2897				7.32	7.42
	42755	6506	3.602183676	Up	E-21	E-20	42755	23.63171716	4.195569217	Up	E-35	E-34
Wbp1	0.1117	1.62955			3.32	1.15	0.1117				1.42	5.70
1	52871	6274	3.866095367	Up	E-08	E-07	52871	2.024671665	4.179304163	Up	E-10	E-10
Rtp3	0.1466	2.00188			1.25	4.14	0.1466				4.17	1.53
	47135	4764	3.770938134	Up	E-07	E-07	47135	2.319485372	3.983383953	Up	E-09	E-08
Slc39a	0.0935	1.50897			3.58	1.33	0.0935				9.67	3.45
8	3348	9196	4.011946234	Up	E-09	E-08	3348	1.425602109	3.929944694	Up	E-09	E-08
Astn2	0.0339	0.63259			8.16	2.29	0.0339				0.00	0.00
	8302	5413	4.218397111	Up	E-06	E-05	8302	0.488638119	3.845880429	Up	0155	0385
Prl6a1	0.2497	4.26117			9.33	3.60	0.2497				435	376
	20578	9558	4.092866229	Up	E-10	E-09	20578	3.303448403	3.725586195	Up	1.79	5.80
Htr1b	0.1237	1.84340			0.00	0.00	0.1237				0.00	0.00
	84834	8098	3.896469016	Up	0121	0302	84834	1.637497464	3.725586195	Up	0358	0853
Cxcl1	8.1108	102.857			333	251					814	499
0	5391	7828	3.664653341	Up	1.92	1.19	8.1108				9.25	5.66
Lgals9	0.1985	2.34022			E-19	E-18	5391	101.9740527	3.652204486	Up	E-19	E-19
	00266	4403	3.559434029	Up	0	8	00266	2.454623646	3.628288994	Up	2	0
					1.74	5.25	0.1985				6.20	1.91
					E-06	E-06	00266				E-07	E-06

Dlx3	0.1638 0797	2.03286 1704	3.63343461	Up	8.24 E-10	3.19 E-09	0.1638 0797	1.852896438	3.499704788	Up	6.10 E-09	2.21 E-08
Hells	0.1816 86716	2.70568 4958	3.896469016	Up	8.66 E-16	4.62 E-15	0.1816 86716	1.98546455	3.449951753	Up	4.15 E-11	1.71 E-10
Hnrmp ab	7.0412 73261	75.3953 3331	3.420566991	Up	2.74 E-18	1.66 E-18	7.0412 73261	74.19492244	3.397412221	Up	1.06 E-18	6.09 E-18
Lama 1	0.2175 4277	1.40891 2275	2.695210808	Up	5 E-19	3 E-19	0.2175 4277	2.14269618	3.300056322	Up	4 E-35	3 E-34
Ifit3	0.7093 49421	5.89804 1532	3.055667611	Up	1.27 E-18	8.04 E-17	0.7093 49421	6.894968452	3.28097558	Up	1.00 E-22	1.04 E-21
Serpin b2	7.0177 32008	85.9321 4431	3.614121135	Up	6.30 E-26	3.65 E-26	0.7093 49421	66.89932553	3.252914905	Up	2.04 E-19	1.43 E-19
Abca1 3	0.0285 33592	0.29508 5595	3.370400205	Up	1.89 E-08	1.74 E-07	7.0177 32008	0.26258009	3.202024239	Up	8.01 E-07	4.93 E-06
Slc17a 6	0.1086 00146	1.10064 697	3.341253859	Up	6 E-08	4 E-07	0.0285 33592	0.978571067	3.17165059	Up	5.13 E-07	1.59 E-06
Cxcl1	14.171 17442	87.9323 4448	2.63343461	Up	9.53 E-08	3.18 E-07	0.1086 00146	0.978571067	3.17165059	Up	7.63 E-07	2.32 E-06
Oasl	2.6129 85322	25.8517 0379	3.306488441	Up	3.20 E-99	8.85 E-98	14.171 17442	124.3857084	3.133789503	Up	4.43 E-16	2.26 E-16
Irgm	0.5855 26362	3.87541 295	2.726544015	Up	1.15 E-77	2.47 E-76	2.6129 85322	22.45960455	3.1035616	Up	9 E-65	7 E-64
LOC1	0.6554	7.32108	3.481431517	Up	6.27 E-12	2.78 E-11	0.5855 26362	4.602506551	2.974613743	Up	4.43 E-15	2.26 E-14
	0.6554	7.32108	3.481431517	Up	3.15	1.34	0.6554	5.089547668	2.956911741	Up	2.58	8.24

00361	80925	3701			E-11	E-10	80925					E-07	E-07
444													
					0.00	0.00						0.00	0.00
Lpar6	0.1588	1.37950	3.118861438	Up	0126	0313	0.1588	1.23302025	2.956911741	Up	0390	0924	
	00213	0701			282	936	00213				17	492	
Mgea	20.373	129.694	2.670321115	Up	0	0	20.373	154.1086899	2.919155781	Up	0	0	
5	87683	1628					87683						
					2.68	2.30					3.83	2.71	
Mnda	12.690	104.463	3.041193464	Up	E-25	E-25	12.690	95.36005999	2.909652288	Up	E-22	E-22	
	35876	4477			2	0	35876				5	3	
Nppb	226.09	1682.11	2.895251655	Up	0	0	226.09	1663.032063	2.878795051	Up	0	0	
	81248	0623					81248						
					1.32	3.22	7.2049				4.48	1.36	
Crisp1	7.2049	46.6141	2.693712622	Up	E-86	E-85	22763	52.98732966	2.878592554	Up	E-10	E-10	
	22763	3489									7	5	
					0.00	0.00					2.57	6.88	
Olr15	0.4519	2.89771	2.680740325	Up	0166	0409	0.4519	3.292457986	2.864989252	Up	E-05	E-05	
4	31424	5796			834	058	31424						
Asah2	0.4973	3.12257	2.650308429	Up	7.68	4.88	0.4973	3.55066024	2.835660587	Up	2.49	1.88	
	82182	2695			E-20	E-19	82182				E-24	E-23	
					7.95	2.48	0.0823				5.53	0.00	
Plcl1	0.0823	0.74951	3.185975633	Up	E-07	E-06	57704	0.568421943	2.78698674	Up	E-05	0143	
	57704	1774										381	
					2.22	6.67	0.1074				1.23	4.05	
Sort1	0.1074	0.65314	2.604288265	Up	E-06	E-06	09711	0.741327571	2.78698674	Up	E-07	E-07	
	09711	9248											
Fbln5	1.5739	9.87910	2.649985787	Up	1.27	1.12	1.5739	10.68913792	2.763679366	Up	6.25	6.16	

	54933	276			E-29	E-28	54933					E-34	E-33
Hes1	0.9147	7.25255			2.95	1.54	0.9147					1.58	7.07
	29657	2811	2.987071565	Up	E-15	E-14	29657	6.196428968		2.760019692	Up	E-12	E-12
Mx2	0.4482	2.36409			8.10	2.72	0.4482					3.14	1.31
	314	0034	2.398969357	Up	E-08	E-07	314	3.029182952		2.756613091	Up	E-11	E-10
Ccr1	6.6066	49.1932			5.07	1.75	6.6066					8.35	2.52
	55695	7424	2.896469016	Up	E-12	E-11	55695	44.39124824		2.74828321	Up	E-10	E-10
					1	9						6	4
Pthlh	1.0805	6.30258			4.85	1.40	1.0805					2.62	8.37
	5784	4567	2.544167272	Up	E-06	E-05	5784	7.20927128		2.738077139	Up	E-07	E-07
Csf1	75.692	502.745					75.692						
	62566	0241	2.73160224	Up	0	0	62566	500.7574912		2.725887441	Up	0	0
Slc16a7	0.8006	3.72596			3.19	1.19	0.8006					1.34	7.06
	36171	9362	2.218397111	Up	E-09	E-08	36171	5.257265232		2.715093821	Up	E-15	E-15
												0.00	0.00
Gbp4	0.1684	1.39335			4.24	1.23	0.1684					0172	0424
	1507	7293	3.04847211	Up	E-06	E-05	1507	1.065513593		2.661455858	Up	119	593
Grpr	0.4394	3.47700			2.24	7.27	0.4394					1.16	3.20
	92944	1685	2.983931858	Up	E-07	E-07	92944	2.780545155		2.661455858	Up	E-05	E-05
MGC109340	1.1360	7.46061			2.48	1.30	1.1360					2.58	1.28
	80575	1381	2.715228702	Up	E-15	E-14	80575	7.024298496		2.628288994	Up	E-14	E-13
Ccne1	1.0430	8.27490			4.62	3.32	1.0430					2.96	1.61
	268	9874	2.987967371	Up	E-23	E-22	268	6.384678901		2.613837837	Up	E-16	E-15
Abcb1b	9.4232	58.2193			4.64	4.41	9.4232					1.05	8.99
	75686	3316	2.627197758	Up	E-27	E-26	75686	56.77027065		2.590835063	Up	E-26	E-26



Cd28	4.3890 78712	20.8097 9662	2.245272817	Up	6.10 E-28	5.11 E-27	4.3890 78712	22.71962919	2.371949241	Up	6.38 E-33	6.14 E-32
Olr15 3	0.8843 95032	4.11576 308	2.218397111	Up	3.63 E-05	9.55 E-05	0.8843 95032	4.493205416	2.344982193	Up	6.42 E-06	1.82 E-05
Ccbl2	0.7535 57565	4.40864 5097	2.548545713	Up	4.65 E-08	1.60 E-07	0.7535 57565	3.776883501	2.325406655	Up	1.34 E-06	4.01 E-06
RGD1 56045 5	0.4500 44445	2.29608 2164	2.35103488	Up	3.02 E-08	1.05 E-07	0.4500 44445	2.243328422	2.317501457	Up	4.20 E-08	1.44 E-07
Flrt2	66.851 87792	355.930 7181	2.412556456	Up	0	0	66.851 87792	332.7983069	2.315608102	Up	0	0
Sgk1	32.587 34959	164.516 5132	2.335848476	Up	0	0	32.587 34959	158.9703195	2.286373509	Up	0	0
Lrm3	0.2329 99664	1.12769 7731	2.27498064	Up	0.00 0101 75	0.00 0255 141	0.2329 99664	1.125692936	2.272413567	Up	8.97 E-05	0.00 0226 875
Ccne2	6.2195 43854	39.3583 1581	2.661787807	Up	5.96 E-14 5	2.59 E-14 3	6.2195 43854	30.01029685	2.270576908	Up	6.42 E-95	1.74 E-93
Tg	0.2547 82282	1.06449 1377	2.062827403	Up	1.89 E-09	7.13 E-09	0.2547 82282	1.221162158	2.260917928	Up	5.75 E-12	2.50 E-11
Ptk2b	0.2614 34342	1.22824 0108	2.232072048	Up	6.27 E-06	1.78 E-05	0.2614 34342	1.24588498	2.252650312	Up	3.82 E-06	1.10 E-05
Chrna 1	3.1884 64232	12.4014 8309	1.95957906	Up	9.42 E-21	6.22 E-20	3.1884 64232	15.1181884	2.245351671	Up	7.00 E-30	6.22 E-29
Ppp2c	2.5092	12.8808	2.359869537	Up	3.58	2.93	2.5092	11.76455476	2.229092482	Up	7.09	5.26

a	95428	1408			E-27	E-26	95428				E-24	E-23
					1.06	4.19						
Fst	18.189	110.887			E-13	E-13	18.189				3.95	9.94
	91231	0082	2.607879852	Up			91231	84.09555502	2.208890959	Up	E-88	E-87
					6	5						
Runx2	3.6176	15.5079			1.19	2.71	3.6176				3.52	9.57
	94622	8516	2.099868722	Up	E-81	E-80	94622	16.70451118	2.207095229	Up	E-95	E-94
Lnc21	18.260	75.3578			7.86	5.46	18.260				2.54	2.19
5	2634	4842	2.045050199	Up	E-21	E-21	2634	84.281851	2.206514423	Up	E-26	E-26
					2	0					5	3
					0.00	0.00					0.00	0.00
H1foo	0.6253	2.94921			0147	0363	0.6253				0179	0443
	88132	2303	2.237505934	Up			88132	2.87756394	2.202024239	Up	936	072
					364	815					4.95	4.56
Mcm4	19.153	100.445			0	0	19.153				E-28	E-28
	28414	2452	2.390745581	Up			28414	87.01496105	2.183671687	Up	6	4
Zfp95	0.6003	2.79399			1.57	4.77	0.6003				2.24	6.59
1	72607	0603	2.218397111	Up	E-06	E-06	72607	2.719297923	2.179304163	Up	E-06	E-06
Il18r1	1.4748	6.99195			2.10	1.25	1.4748				2.85	1.63
	9935	3837	2.245079154	Up	E-18	E-17	9935	6.650645622	2.172877893	Up	E-17	E-16
P2rx5	1.0175	3.37980			3.86	1.23	1.0175				4.09	1.79
	51552	5445	1.731838315	Up	E-07	E-06	51552	4.578724371	2.169843833	Up	E-12	E-11
Timm	9.0818	34.9541			1.43	1.45	9.0818				6.96	9.40
8a1	5334	1087	1.944403493	Up	E-35	E-34	5334	40.72901788	2.164998382	Up	E-48	E-47
Ramp	6.0367	21.2666			2.15	1.03	6.0367				8.51	5.62
2	75033	3489	1.816741824	Up	E-13	E-12	75033	26.99266101	2.160717265	Up	E-21	E-20
Cyp27	1.8956	6.57967			2.08	9.96	1.8956	8.415718041	2.150391471	Up	3.64	2.44



b1	52995	8956			E-13	E-13	52995					E-21	E-20
Hbegf	9.2778	48.9339			6.22	1.44	9.2778					5.19	8.96
	69123	1655	2.398969357	Up	E-83	E-81	69123	40.44853603	2.124222087	Up	E-61	E-60	
Gspt1	6.3760	28.3594			8.80	1.74	6.3760					3.19	6.09
	12476	9826	2.153105651	Up	E-70	E-68	12476	27.68248709	2.118247208	Up	E-68	E-67	
Cdk2a	38.035	143.928			9.50	4.17	38.035					4.68	2.82
p1	10801	8159	1.919951855	Up	E-14	E-14	10801	163.7678932	2.106248936	Up	E-19	E-18	
					6	4						0	8
Pbk	6.1829	20.1664			4.62	3.77	6.1829					6.74	8.70
	60304	0671	1.705584396	Up	E-27	E-26	60304	26.30649749	2.089049529	Up	E-46	E-45	
Rbl1	12.140	49.3364			1.61	5.99	12.140					1.65	6.95
	13047	7886	2.022870828	Up	E-13	E-12	13047	51.52672157	2.085536877	Up	E-14	E-14	
					0	9						4	3
Pak3	1.2020	4.84826			1.83	7.42	1.2020					1.78	7.51
	70385	1807	2.011946234	Up	E-10	E-10	70385	5.070101854	2.076493357	Up	E-11	E-11	
Casp7	2.1134	5.68271			2.56	8.96	2.1134					5.94	3.81
	4401	2096	1.426983733	Up	E-08	E-08	4401	8.914100645	2.076493357	Up	E-20	E-19	
Twist	11.555	45.2267			3.79	1.50	11.555					4.59	2.19
nb	31603	2466	1.968618802	Up	E-13	E-13	31603	48.54445108	2.070749679	Up	E-16	E-15	
					7	5						0	8
LOC1	1.5827	7.21845			4.44	2.20	1.5827					1.63	7.27
04940	55426	0116	2.189250766	Up	E-14	E-13	55426	6.645413837	2.069920703	Up	E-12	E-12	
696					3.50	1.89						1.65	6.30
Ugt1a	15.361	74.0891			E-17	E-16	15.361					E-13	E-13
7c	67608	892	2.269927412	Up	0	8	67608	63.96504343	2.057948061	Up	3	2	

Tmem	2.2312	7.17426				2.27	7.98	2.2312				2.87	1.34
41a	7187	592	1.684964911	Up		E-08	E-08	7187	9.216632193	2.046373369	Up	E-13	E-12
						7.70	5.48					2.53	1.25
Arl4c	12.755	61.9407				E-21	E-21	12.755				E-16	E-16
	94586	3226	2.279718559	Up				94586	52.4425946	2.039569185	Up		
						6	4					3	1
Mina	6.7834	29.6596				6.75	9.89	6.7834				2.65	3.53
	36099	9772	2.128415744	Up		E-52	E-51	36099	27.85511901	2.03785433	Up	E-47	E-46
						1.28	1.32					1.71	1.43
Rbm2	17.504	75.8086				E-28	E-28	17.504				E-25	E-25
5	33866	1155	2.114649186	Up				33866	71.58353373	2.031915209	Up		
						2	0					9	7
Pawr	2.3805	9.91769				3.10	2.00	2.3805				7.52	4.81
	00116	6964	2.058740445	Up		E-20	E-19	00116	9.701462372	2.026937533	Up	E-20	E-19
Brms1	7.6951	34.7351				1.39	3.46	7.6951				1.13	2.43
1	03833	5737	2.174383935	Up		E-89	E-88	03833	31.29285681	2.023820674	Up	E-75	E-74
Pth2	6.1240	28.3440				1.11	2.51	6.1240				6.93	1.25
	41743	8967	2.210491913	Up		E-80	E-79	41743	24.82916548	2.019479751	Up	E-65	E-63
						1.45	4.12					3.62	9.28
Efnb2	21.718	94.7964				E-10	E-10	21.718				E-90	E-89
	46608	257	2.12591045	Up				46608	86.94082334	2.001111545	Up		
						3	2						
Orc1	2.4148	12.7542				1.26	1.32	2.4148				2.85	2.08
	92648	0134	2.400941599	Up		E-36	E-35	92648	9.657971561	1.999761159	Up	E-23	E-22
Lrrc8d	0.8671	3.65308				8.39	3.68	0.8671				5.30	2.17
	22789	2823	2.074806258	Up		E-12	E-11	22789	3.464864779	1.998490845	Up	E-11	E-10
Flt1	0.3357	1.30220				7.64	2.78	0.3357				1.95	7.27
	80824	3077	1.955362705	Up		E-09	E-08	80824	1.339813184	1.996440105	Up	E-09	E-09
Pcdhb	2.4132	8.15959				8.00	4.87	2.4132				6.12	4.87
			1.757492603	Up					9.574507254	1.988193831	Up		

21	95217	1988			E-19	E-18	95217				E-26	E-25
Btg2	1.9397	7.57579			1.42	8.13	1.9397				2.36	1.42
	70763	257	1.965510661	Up	E-17	E-17	70763	7.678434956	1.984926117	Up	E-18	E-17
Lrrc15	1.2410	4.87715			1.50	5.33	1.2410				8.99	3.22
	55205	1606	1.974471528	Up	E-08	E-08	55205	4.901425728	1.981634171	Up	E-09	E-08
Osmr	4.8767	21.5526			4.74	8.02	4.8767				1.11	1.57
	28146	5131	2.143879898	Up	E-60	E-59	28146	19.20482487	1.977483351	Up	E-49	E-48
Serinc	5.2617	20.6447			6.04	1.62	5.2617				1.37	3.82
5	25251	7314	1.972168742	Up	E-96	E-94	25251	20.71035923	1.976744755	Up	E-98	E-97
Letm2	1.4196	5.18157			2.07	7.30	1.4196				1.12	4.24
	05622	2733	1.867899864	Up	E-08	E-08	05622	5.571371762	1.972542393	Up	E-09	E-09
Ndufa	9.2402	35.9653			1.48	2.65	9.2402				1.09	1.99
f4	69575	1401	1.960599354	Up	E-63	E-62	69575	36.1955985	1.969807425	Up	E-65	E-64
Steap1	14.491	68.8875			7.59	1.78	14.491				4.58	7.77
	1811	8456	2.249068807	Up	E-84	E-82	1811	56.62074655	1.966155585	Up	E-60	E-59
Nexn	0.6562	2.17168			0.00	0.00	0.6562				1.32	3.62
	2919	6252	1.726544015	Up	0278	0664	2919	2.558163102	1.962836575	Up	E-05	E-05
Med7	7.1121	27.3155			4.27	3.59	7.1121				2.57	2.25
	35817	0952	1.941365554	Up	E-28	E-27	35817	27.64671115	1.958753088	Up	E-29	E-28
Dgat2	9.0212	35.4911			1.33	2.66	9.0212				2.61	5.25
	91957	3049	1.976052564	Up	E-70	E-69	91957	35.02336508	1.956911741	Up	E-70	E-69
Dusp1	26.015	119.377			9.39	4.58	26.015				3.69	1.26
4	41591	1574	2.198088129	Up	E-16	E-15	41591	100.6979871	1.952596168	Up	E-11	E-11
Snai2	12.643	50.7202			0	8					9	7
			2.004109739	Up	6.43	6.81	12.643	48.75491884	1.947094883	Up	5.08	5.17

	99961	7737			E-37	E-36	99961				E-35	E-34
Pex19	0.6221	3.55155	2.513140377	Up	1.22	5.01	0.6221	2.397440528	1.946185335	Up	5.35	1.53
	39362	3134			E-10	E-10	39362				E-06	E-05
L1ca	0.4529	1.47541	1.703823938	Up	1.46	4.43	0.4529	1.742054084	1.943491225	Up	7.07	2.55
m	10594	6349			E-06	E-06	10594				E-09	E-08
	26.634	95.2077			1.51	5.63	26.634				1.79	8.12
Pon2	92145	3152	1.837759709	Up	E-13	E-12	92145	102.2064824	1.94009577	Up	E-15	E-15
					0	9					3	2
Mrpl3	2.9805	9.81003	1.718681897	Up	4.46	1.64	2.9805	11.40367691	1.935850126	Up	4.16	1.82
0	46828	9443			E-09	E-08	46828				E-12	E-11
Plk2	41.142	163.154	1.987530269	Up	0	0	41.142	156.6623202	1.928948891	Up	0	0
	72737	5937					72737					
Lef1	3.9720	22.5551	2.505517136	Up	6.72	6.26	3.9720	15.02243823	1.919181352	Up	1.86	1.03
	00301	1705			E-32	E-31	00301				E-16	E-15
Shisa4	15.242	48.9410	1.682954746	Up	1.90	1.28	15.242	57.47098313	1.914742287	Up	5.81	5.18
	41438	8848			E-21	E-20	41438				E-30	E-29
Slc16a	0.8825	2.87513	1.703823938	Up	3.30	8.75	0.8825	3.299552653	1.902463957	Up	1.22	3.67
4	84602	644			E-05	E-05	84602				E-06	E-06
LOC1	125.13	306.092			1.07	3.87	125.13					
00912	32959	2199	1.290500657	Up	E-12	E-12	32959	466.5355071	1.898521168	Up	0	0
041					5	4						
Prl7a3	2.8844	10.7388	1.896469016	Up	1.07	3.84	2.8844	10.73480833	1.895921111	Up	7.56	2.72
	64317	8596			E-08	E-08	64317				E-09	E-08
Apol9	1.5581	6.36963	2.031398596	Up	3.56	1.41	1.5581	5.79871343	1.895921111	Up	7.56	2.72
a	25814	3339			E-10	E-09	25814				E-09	E-08
Odc1	393.09	1496.21	1.928375638	Up	0	0	393.09	1458.299173	1.891342093	Up	0	0

	35587	787					35587							
							0.00							
	1.8882	4.94692				7.81	0198	1.8882					4.27	1.56
Il36g	15671	6914	1.389509028	Up		E-05	183	15671	6.938447284	1.877589289	Up		E-09	E-08
	4.8604	16.6807				4.46	4.09	4.8604					4.62	4.87
Gbp2	80004	2664	1.779011435	Up		E-31	E-30	80004	17.8085764	1.873401492	Up		E-36	E-35
	2.7115	11.2520				1.72	1.03	2.7115					7.46	3.82
Pole2	88542	1738	2.052973502	Up		E-18	E-17	88542	9.844882595	1.860235722	Up		E-15	E-14
	1.5370	6.31854				9.75	3.76	1.5370					4.71	1.61
Lrr1	50189	0023	2.03942697	Up		E-10	E-09	50189	5.580521685	1.860235722	Up		E-08	E-07
	8.9990	29.8719				9.03	2.30	8.9990					1.28	4.10
Slitrk6	52557	0098	1.730944027	Up		E-92	E-90	52557	32.67015597	1.860128319	Up		E-11	E-11
													2	1
	3.9354	10.8579				5.62	2.76	3.9354					6.89	5.26
Mgme	49776	6666	1.464153526	Up		E-14	E-13	49776	14.26810882	1.85819369	Up		E-25	E-24
	125.69	385.020				4.00	4.54	125.69						
Hmgn	14031	4751	1.615049192	Up		E-30	E-30	14031	453.7440887	1.851992871	Up		0	0
						6	4							
	9.6055	34.8446				8.95	6.35	9.6055					5.65	4.06
RGD1	31174	7801	1.858994311	Up		E-23	E-22	7801	34.63562452	1.850312675	Up		E-23	E-22
	7.9473	27.5648				1.17	1.96	7.9473					7.22	1.33
Nol10	28629	6487	1.794288621	Up		E-59	E-58	28629	28.65634443	1.850312675	Up		E-66	E-64
	8.8761	31.2344				7.77	1.91	8.8761					3.59	9.67
Mybl1	16761	5785	1.815137938	Up		E-88	E-86	16761	31.99226299	1.849722495	Up		E-94	E-93
	9.1692	34.0211				1.78	1.25	9.1692					1.05	7.18
Efna5			1.891553526	Up					33.04168414	1.84940924	Up			

	649	4057			E-22	E-21	649				E-21	E-21
Prrg4	9.5656	36.8475			4.26	7.08	9.5656				6.95	1.05
	41155	4877	1.945635073	Up	E-59	E-58	41155	34.41883647	1.847264752	Up	E-53	E-51
Lypla	21.969	76.1110			4.44	1.73	21.969				6.19	2.69
1	04857	3276	1.792633205	Up	E-13	E-13	04857	79.0077335	1.846521484	Up	E-14	E-14
					5	3					9	7
Klf5	12.806	47.0430			5.05	1.77	12.806				6.06	2.04
	21519	5315	1.877137538	Up	E-12	E-12	21519	45.75346696	1.83703691	Up	E-11	E-11
					2	0					8	6
Dus4l	3.5514	11.4590			7.08	3.81	3.5514				1.18	7.47
	21566	4383	1.690018139	Up	E-16	E-15	21566	12.66424423	1.834292455	Up	E-19	E-19
Rnf15	1.6030	5.27191			4.83	1.66	1.6030				1.85	6.90
0	5848	0694	1.717498875	Up	E-08	E-07	5848	5.716450082	1.834292455	Up	E-09	E-09
Atp13	12.734	40.8624			1.22	8.94	12.734				8.94	7.92
a3	16897	0729	1.682069386	Up	E-23	E-23	16897	45.40959809	1.834292455	Up	E-30	E-29
Gabpb	3.3902	12.2655			1.63	1.27	3.3902				3.20	2.48
1	98828	5544	1.855128221	Up	E-25	E-24	98828	12.06324623	1.831133843	Up	E-25	E-24
Tm6sf	2.0154	7.66371			5.18	3.18	2.0154				4.11	2.33
1	09391	5624	1.926971105	Up	E-19	E-18	09391	7.163100979	1.829511356	Up	E-17	E-16
Atp5f	3.9292	15.2934			5.40	3.04	3.9292				1.45	7.29
1	1985	5271	1.960599354	Up	E-17	E-16	1985	13.90188807	1.822966037	Up	E-14	E-14
					9.28	5.55	15.827				2.24	8.95
Amd1	15.827	64.7777			E-18	E-18	1547	55.92262664	1.821030203	Up	E-13	E-13
	1547	0377	2.033095407	Up	2	0					9	8
Pstpip	1.3970	4.39228			7.51	2.12	1.3970				2.92	9.27
2	91958	1188	1.652543433	Up	E-06	E-05	91958	4.928411032	1.8186956	Up	E-07	E-07

Il1r1	17.427	61.1096	1.810054264	Up	2.06	4.79	17.427	61.44572806	1.817966045	Up	3.56	8.76
	27097	8025			E-83	E-82	27097				E-86	E-85
Nop58	86.772	317.902	1.873277032	Up	0	0	86.772	305.3191332	1.815012862	Up	0	0
	21963	0173					21963					
Gpr15 5	0.6274	1.74271	1.473777944	Up	4.16	1.21	0.6274	2.199631412	1.809706816	Up	1.41	5.32
	42421	0493			E-06	E-05	42421				E-09	E-09
Ddx21	30.212	112.440	1.895946774	Up	0	0	30.212	105.5818998	1.80514714	Up	0	0
	4564	5304					4564					
Bag5	2.1449	6.34428	1.564487257	Up	2.61	9.75	2.1449	7.484457909	1.802928284	Up	5.05	2.33
	87951	1564			E-09	E-09	87951				E-13	E-12
Ptafr	0.7374	1.88416	1.353326691	Up	0.00	0.00	0.7374	2.56980878	1.801061925	Up	6.68	2.24
	40772	5612			0206	0499	40772				E-08	E-07
Il13ra 1	4.8442	18.0353	1.896469016	Up	1.72	2.63	4.8442	16.87591888	1.800606349	Up	7.98	1.10
	98631	6631			E-54	E-53	98631				E-49	E-47
Adamt s1	6.8059	26.0118	1.93430109	Up	2.67	7.08	6.8059	23.6760115	1.798556129	Up	8.38	1.93
	56964	8632			E-95	E-94	56964				E-81	E-79
Gar1	11.799	43.7959	1.892130081	Up	4.78	6.63	11.799	41.02332412	1.797777329	Up	4.81	6.00
	02026	4047			E-49	E-48	02026				E-44	E-43
Serp b9	11.195	38.9216	1.797664006	Up	2.46	3.75	11.195	38.72596933	1.790393341	Up	6.07	9.56
	41501	2692			E-54	E-53	41501				E-55	E-54
Phlda 1	64.278	243.248	1.920023744	Up	0	0	64.278	221.7754497	1.786689858	Up	1.20	1.19
	57322	9463					57322				E-30	E-30
Cpt1a	2.3908	10.0960	2.078219453	Up	4.47	5.26	2.3908	8.231425234	1.783643297	Up	1.50	1.29
	09121	4545			E-41	E-40	09121				E-28	E-27

Ppp1r10	16.652 98162	62.7940 5818	1.914847546	Up	2.57 E-21 3	1.80 E-21 1	16.652 98162	57.16964283	1.779468771	Up	2.17 E-18 0	1.22 E-17 8
Ptgs2	69.362 88309	236.669 605	1.770638665	Up	0	0	69.362 88309	237.0896274	1.773196776	Up	0	0
Rad51c	5.7426 01369	17.2611 4442	1.587751795	Up	1.52 E-22	1.07 E-21	5.7426 01369	19.60286302	1.771288053	Up	6.44 E-30	5.73 E-29
Kcng4	0.9503 51017	2.97031 1505	1.644081855	Up	1.83 E-09	6.93 E-09	0.9503 51017	3.239109446	1.769064832	Up	2.39 E-11	9.97 E-11
Srsf1	30.602 13738	112.739 7548	1.88129201	Up	0	0	30.602 13738	103.8832266	1.763258404	Up	0	0
Nfyb	5.1467 89271	15.6170 0736	1.601373401	Up	6.48 E-27	5.26 E-26	5.1467 89271	17.43593111	1.760318789	Up	1.50 E-34	1.51 E-33
Hdgfrp3	13.714 59024	41.2780 1875	1.589662208	Up	7.07 E-73	1.46 E-71	13.714 59024	46.42147171	1.759080743	Up	7.02 E-96	1.91 E-94
Xk	1.6669 83606	5.35989 533	1.684964911	Up	6.40 E-12	2.83 E-11	1.6669 83606	5.636434688	1.757542962	Up	2.23 E-13	1.05 E-12
Nov	10.498 76253	39.3942 7263	1.907766608	Up	6.72 E-48	9.10 E-47	10.498 76253	35.43300553	1.754874555	Up	1.10 E-39	1.26 E-38
Gsdma	3.7533 60359	10.5416 3373	1.489843757	Up	3.25 E-19	2.02 E-18	3.7533 60359	12.64014459	1.751758251	Up	9.25 E-29	7.99 E-28
Tmem209	14.937 22318	47.2322 5225	1.660860355	Up	4.96 E-62	8.63 E-61	14.937 22318	50.28905512	1.75133247	Up	2.39 E-72	4.96 E-71
Cd3eap	4.2268 88021	16.6110 0459	1.974471528	Up	2.85 E-30	2.57 E-29	4.2268 88021	14.22204239	1.750460864	Up	5.66 E-23	4.06 E-22
LOC6	1.3869	6.62025	2.254922987	Up	2.76	1.10	1.3869	4.663704407	1.749512034	Up	5.99	1.70



89959	96663	7368			E-10	E-09	96663				E-06	E-05
Gm2a	19.659	61.6165	1.64810266	Up	1.46	3.40	19.659	65.94484404	1.746043849	Up	1.07	2.99
	35537	8291			E-83	E-82	35537				E-98	E-97
Dtx3l	1.7830	5.47662	1.618935041	Up	1.03	6.26	1.7830	5.965188262	1.74221687	Up	1.03	7.28
	545	0228			E-18	E-18	545				E-22	E-22
Pdzk1	2.1774	6.21521	1.513140377	Up	1.14	4.09	2.1774	7.263886972	1.738077139	Up	5.66	2.46
	87768	7985			E-08	E-08	87768				E-12	E-11
Stom	35.195	119.506	1.763633334	Up	4.04	1.93	35.195	116.5365681	1.727327529	Up	2.14	9.40
	3125	4541			E-15	E-15	3125				E-15	E-14
Serpin	1.3769	4.43204	1.686545947	Up	5	3	1.3769	4.553615702	1.725586195	Up	0	9
a3c	02445	4275			2.00	6.01	02445				7.45	2.27
					E-06	E-06					E-07	E-06
Cycs	46.907	178.275	1.92621636	Up	6.56	3.76	46.907	154.8547497	1.723023681	Up	8.78	3.45
	54666	483			E-17	E-17	54666				E-13	E-13
Ciapin	9.1285	29.1735	1.676202896	Up	7	5	9.1285	30.10815045	1.72169528	Up	6	4
1	57491	6517			6.49	6.87	57491				2.92	3.37
Ccdc1	4.7904	17.7144	1.886687995	Up	E-37	E-36	4.7904	15.78693795	1.720491328	Up	E-40	E-39
12	7309	6677			5.59	5.35	7309				7.59	6.21
Ska2	17.042	54.7499	1.683707817	Up	E-33	E-32	17.042	56.10178764	1.71889775	Up	E-27	E-26
	64186	1818			3.59	4.76	64186				1.22	1.71
Nop56	52.088	182.314	1.807378843	Up	E-46	E-45	52.088	169.5527044	1.702686517	Up	E-49	E-48
	87842	0973			9.03	8.13	87842				1.66	1.22
Ap1s2	29.520	103.750	1.813322303	Up	E-26	E-26	29.520	95.93990436	1.700412382	Up	E-23	E-22
	52992	1072			4	2	52992				1	9
					1.11	4.77					1.00	3.52
					E-14	E-14					E-12	E-12

					3	2						4	3
Naf1	3.6417	11.9262			2.44	1.52	3.6417					2.03	1.28
	48666	4919	1.711437122	Up	E-19	E-18	48666	11.83045395	1.699802169	Up	E-19	E-18	
Klf10	9.3460	34.5222			2.08	4.78	9.3460					5.71	1.02
	71096	4157	1.885094226	Up	E-82	E-81	71096	30.1700381	1.690684602	Up	E-64	E-62	
Nol8	0.3112	1.39064			2.07	6.73	0.3112					0.00	0.00
	71806	1197	2.159503422	Up	E-07	E-07	71806	1.002566462	1.687451066	Up	0165	0409	
Bmp2	61.345	229.887			9.93	7.68	61.345					9.22	5.00
	62662	2464	1.905894029	Up	E-23	E-23	62662	197.0313574	1.68339285	Up	E-17	E-17	
Akap5	0.6387	3.00552			4	2						4	2
	29745	3286	2.234338655	Up	2.22	8.35	0.6387					3.65	9.58
Ube2l	2.4444	7.01517			E-09	E-09	29745	2.051143563	1.683150929	Up	E-05	E-05	
6	65361	3783	1.520959881	Up	2.93	9.39	2.4444					3.66	1.34
Epha2	21.202	74.0121			E-07	E-07	65361	7.849876143	1.683150929	Up	E-09	E-08	
	52856	7526	1.803526291	Up	9.62	6.92	21.202					4.42	2.58
Creb5	0.6236	2.12832			E-21	E-21	52856	68.01163942	1.681545341	Up	E-18	E-18	
	39216	9751	1.770938134	Up	9	7						7	5
Traf1	4.2866	12.8792			7.39	2.49	0.6236					4.12	1.29
	08574	5862	1.587140958	Up	E-08	E-07	39216	1.992719965	1.675955427	Up	E-07	E-06	
Cstf2	19.476	66.3243			4.78	2.69	4.2866					1.15	7.32
	53028	2272	1.767801352	Up	E-17	E-16	08574	13.66820284	1.672914973	Up	E-19	E-19	
Aldh1	3.7863	13.8383			5.22	3.59	19.476					3.50	2.07
					E-21	E-20	53028	62.05086643	1.671714669	Up	E-18	E-18	
					1	9						7	5
					2.65	2.97	3.7863	12.0612751	1.671509522	Up	1.85	1.67	



	63269	309			E-17	E-17	63269				E-15	E-14
RGD1	2.9631	7.86536			5.89	0.00	2.9631				7.42	2.27
56388	79231	6253	1.408368055	Up	E-05	0151	79231	9.278907638	1.646809082	Up	E-07	E-06
8					3.33	9.92					3.76	1.35
Rnf21	17.257	50.5995			E-10	E-10	17.257				E-12	E-12
9	34664	1206	1.55191281	Up	8	7	34664	53.83773507	1.641407054	Up	7	5
Met	4.4621	13.7585			4.00	4.46	4.4621				5.66	6.66
	07727	2971	1.624529057	Up	E-39	E-38	07727	13.91781873	1.641135873	Up	E-41	E-40
Spry1	4.1939	13.8793			1.43	6.20	4.1939				1.92	7.64
	93951	5669	1.726544015	Up	E-11	E-11	93951	13.0258754	1.634983646	Up	E-10	E-10
Yme11	1.6873	5.92305			7.52	3.86	1.6873				5.75	2.50
1	52145	388	1.811580119	Up	E-15	E-14	52145	5.240646282	1.634983646	Up	E-12	E-11
Dhx15	72.358	214.322			0	0	72.358				0	0
	9251	1689	1.566538205	Up			9251	224.5813294	1.633995112	Up		
Inhbe	3.8214	10.3317			2.51	8.08	3.8214				8.33	3.19
	60015	5094	1.434888931	Up	E-07	E-07	60015	11.85314497	1.633074056	Up	E-10	E-09
Ubp2	28.346	83.6667			2.32	1.74	28.346				1.20	9.93
	84077	062	1.561465683	Up	E-22	E-22	84077	87.89651203	1.63261796	Up	E-25	E-25
					5	3					7	6
PVR	29.508	101.288			1.69	7.31	29.508				1.44	4.88
	71355	485	1.779257238	Up	E-14	E-14	71355	91.38159829	1.630762649	Up	E-11	E-11
					4	3					8	7
Lin54	7.9970	24.9970			5.58	1.16	7.9970				4.54	9.54
	80049	8182	1.644214449	Up	E-73	E-71	80049	24.76099402	1.630523998	Up	E-73	E-72
Phlpp	2.0787	7.67488			6.09	4.95	2.0787	6.436485488	1.630523998	Up	2.03	1.28

2	97387	6072			E-27	E-26	97387				E-19	E-18
					4.09	2.76					4.73	2.25
Fubp1	32.712	115.972	1.825877048	Up	E-20	E-20	32.712	101.1908974	1.629168341	Up	E-16	E-15
	43773	9405			9	7	43773				0	8
Shmt1	3.6525	13.5549	1.891837568	Up	8.98	6.62	3.6525	11.27154875	1.625705833	Up	6.69	3.76
	60128	2842			E-24	E-23	60128				E-17	E-16
Mthfd	17.807	58.9415			1.27	5.29	17.807				1.94	6.75
1	96927	6359	1.726762324	Up	E-14	E-13	96927	54.93175023	1.625117251	Up	E-12	E-12
					0	9					3	2
LOC1	6.0286	18.4624			2.93	1.17	6.0286				1.42	5.72
00911	06189	555	1.614698048	Up	E-10	E-09	06189	18.56729636	1.62286736	Up	E-10	E-10
717												
Rpp38	6.8607	18.8208	1.455896425	Up	5.04	2.49	6.8607	21.11448691	1.621799657	Up	2.74	1.64
	27793	2615			E-14	E-13	27793				E-18	E-17
Fam1	5.4437	12.8357			1.35	5.17	5.4437				1.17	6.81
75a	19421	7627	1.237505934	Up	E-09	E-09	19421	16.73654208	1.62033687	Up	E-17	E-17
Slc39a	1.4737	4.79299			7.25	3.01	1.4737				6.16	2.38
5	31113	1423	1.701453034	Up	E-11	E-10	31113	4.530407972	1.620167649	Up	E-10	E-09
Sumo	32.058	101.337			3.09	9.23	32.058				9.19	2.69
3	61533	6593	1.660386391	Up	E-10	E-10	61533	98.40993572	1.618091867	Up	E-10	E-10
					8	7					4	2
Cntf	4.3350	13.6126	1.650816689	Up	2.20	9.43	4.3350	13.29781742	1.617061738	Up	4.40	1.81
	71627	1677			E-11	E-11	71627				E-11	E-10
Ccnh	32.415	108.715	1.745818027	Up	4.59	1.42	32.415	99.35482705	1.615919914	Up	1.52	4.03
	19265	6834			E-11	E-10	19265				E-93	E-92
					1	9						

Pak1p1	13.351 01989	41.8358 5321	1.647789903	Up	1.71 E-43	2.13 E-42	13.351 01989	40.91764169	1.615773042	Up	2.29 E-42	2.75 E-41
Nutf2	32.110 32507	98.4668 0464	1.616600172	Up	2.85 E-12	1.02 E-12	32.110 32507	97.48419128	1.60213101	Up	2.95 E-12	1.03 E-12
Prrx1	125.43 65883	401.805 3589	1.67953858	Up	4 0	2 0	125.43 65883	378.5088737	1.593368898	Up	4 0	2 0
Kpna4	88.324 3476	244.080 8109	1.466475785	Up	1.82 E-27	1.80 E-27	88.324 3476	265.3174972	1.586836729	Up	7 0	5 0
Smad7	1.5050 35763	6.05982 3386	2.009477978	Up	4.23 E-24	3.16 E-23	1.5050 35763	4.520510979	1.586688089	Up	5.14 E-14	2.49 E-13
Ly96	14.320 27543	43.7940 6267	1.61267605	Up	2.30 E-09	8.63 E-09	14.320 27543	42.94687376	1.584493876	Up	3.48 E-09	1.28 E-08
Masp2	3.2241 3702	11.4927 0359	1.833733261	Up	4.77 E-20	3.06 E-19	3.2241 3702	9.666451513	1.584073326	Up	1.59 E-14	7.99 E-14
Comm d3	33.704 95725	93.7255 9284	1.475482251	Up	1.36 E-50	1.96 E-49	33.704 95725	100.6973975	1.578993698	Up	6.12 E-61	1.06 E-59
Donson	2.1420 81463	7.16943 3731	1.742845827	Up	7.15 E-13	3.33 E-12	2.1420 81463	6.384156338	1.575482635	Up	1.82 E-10	7.25 E-10
Cdc6	8.2829 28771	35.1426 4022	2.085009696	Up	9.21 E-87	2.25 E-85	8.2829 28771	24.65510676	1.573673612	Up	1.46 E-43	1.80 E-42
Pcdhg b8	0.8951 27059	2.20255 792	1.299015571	Up	3.42 E-06	1.01 E-05	0.8951 27059	2.662951809	1.572861934	Up	2.56 E-09	9.50 E-09
Slc25a25	2.1997 07031	7.53550 3727	1.776392564	Up	6.07 E-19	3.71 E-18	2.1997 07031	6.536731503	1.571258049	Up	1.56 E-14	7.81 E-14

Nfib	14.751	43.0008	1.543484986	Up	1.11	1.82	14.751	43.81780296	1.570637401	Up	1.36	2.40
	68493	3675			E-58	E-57	68493				E-62	E-61
Coa7	3.7643	11.1028	1.560473809	Up	1.34	8.76	3.7643	11.18122537	1.570620393	Up	2.37	1.60
	1147	6285			E-20	E-20	1147				E-21	E-20
Areg	12.858	38.4859	1.581595679	Up	4.15	3.61	12.858	38.06619534	1.56577251	Up	4.95	4.29
	6383	9512			E-29	E-28	6383				E-29	E-28
Eml4	5.9125	19.4868	1.720641556	Up	4.56	8.78	5.9125	17.49882505	1.565399619	Up	4.20	6.62
	74809	3774			E-68	E-67	74809				E-55	E-54
Agpat 5	8.6866	25.8504	1.573313618	Up	9.67	1.13	8.6866	25.66069418	1.562684728	Up	5.86	6.88
	7201	4451			E-41	E-39	7201				E-41	E-40
Cdt1	5.1991	26.9635	2.374668536	Up	1.24	2.31	5.1991	15.32071462	1.559141762	Up	3.94	2.85
	28901	4836			E-65	E-64	28901				E-23	E-22
Ppat	13.602	43.1070	1.66407575	Up	1.27	4.25	13.602	40.05924065	1.558286066	Up	4.99	1.44
	28484	7756			E-11	E-11	28484				E-10	E-10
Nrg1	25.062	80.0531	1.675451644	Up	8	7	25.062	73.7941236	1.557999815	Up	3	1
	07942	2738			E-21	E-20	07942				E-17	E-17
Irak3	48.307	126.561	1.389509028	Up	3.18	2.17	48.307	142.231876	1.557919817	Up	3.18	1.75
	69802	0996			E-19	E-19	69802				E-26	E-26
Clec2 g	28.558	98.7497	1.789852106	Up	6	4	28.558	83.98267199	1.556166959	Up	6	4
	58958	3224			E-47	E-46	58958				E-34	E-33
Klf6	97.757	262.351	1.424227052	Up	1.84	2.49	97.757	287.0037529	1.55379641	Up	1.88	1.89
	08639	3555			0	0	08639				0	0
Rb1	8.7011	21.7367	1.320861681	Up	4.16	5.66	8.7011	25.41320302	1.546303645	Up	1.04	2.13

	29381	501			E-48	E-47	29381				E-71	E-70
Cbx5	21.148	72.9821	1.786955532	Up	1.46	2.66	21.148	61.60227963	1.542394939	Up	6.53	8.45
	99049	844			E-64	E-63	99049				E-46	E-45
Kcnj1	1.6441	4.62077	1.490830215	Up	2.80	7.49	1.6441	4.783707993	1.540826153	Up	1.01	2.80
5	05839	0349			E-05	E-05	05839				E-05	E-05
RGD1	6.7873	16.2257	1.257350746	Up	9.06	8.24	6.7873	19.74505623	1.540561252	Up	1.10	1.58
30907	96623	0282			E-31	E-30	96623				E-50	E-49
9					1.56	9.38					4.02	1.89
Cse11	24.493	76.6630	1.646129092	Up	E-18	E-18	24.493	71.06053849	1.536646816	Up	E-15	E-15
	5486	2351			3	2	5486				8	6
Dck	7.4597	19.8376	1.411042189	Up	1.93	8.31	7.4597	21.62768217	1.535681627	Up	4.61	2.24
	40935	2925			E-11	E-11	40935				E-14	E-13
Tcf7l2	2.7859	8.55387	1.618432447	Up	4.02	2.35	2.7859	8.011640043	1.523952334	Up	4.14	2.23
	03468	2578			E-18	E-17	03468				E-16	E-15
Cenp	3.2924	9.80617	1.574540921	Up	1.06	3.26	3.2924	9.373590369	1.509452764	Up	2.91	8.50
m	21368	0913			E-06	E-06	21368				E-06	E-06
Man1	0.6334	1.78026	1.490830215	Up	2.80	7.49	0.6334	1.800174755	1.506878821	Up	1.77	4.80
a1	30458	0498			E-05	E-05	30458				E-05	E-05
Dram	15.456	44.5874	1.528428997	Up	5.38	6.00	15.456	43.86056126	1.504716115	Up	2.16	2.40
2	44095	3337			E-39	E-38	44095				E-38	E-37
Pcdhg	10.094	31.5322	1.643319199	Up	1.37	3.69	10.094	28.59285472	1.502147964	Up	3.56	8.00
c3	06095	0156			E-96	E-95	06095				E-79	E-78
Impad	1.4387	3.69643	1.361355065	Up	2.00	9.57	1.4387	4.059849771	1.496644988	Up	6.40	3.60
1	15522	9807			E-13	E-13	15522				E-17	E-16
Il1rl1	1056.3	3091.55	1.549219698	Up	0	0	1056.3	2980.67713	1.496526498	Up	0	0



	68811	6367				68811							
Nup15	24.963	76.1564			2.00	2.25						2.19	1.82
3	56747	2825	1.609141697	Up	E-30	E-30	24.963	70.37786008	1.495297528	Up	E-25	E-25	
					4	2	56747					9	7
Ywha	40.720	119.040			1.66	5.89						5.81	1.92
h	44109	7824	1.54763082	Up	E-12	E-12	40.720	114.7510922	1.494682792	Up	E-11	E-11	
					3	2	44109					6	4
Mettl1	1.8143	4.44393			0.00	0.00						7.00	1.98
8	32001	0236	1.292397693	Up	0203	0495	1.8143	5.107771593	1.493255537	Up	E-06	E-05	
					974	424	32001						
Plbd2	19.677	64.8766			8.40	2.37						4.17	8.76
	89038	4883	1.721123739	Up	E-10	E-10	19.677	55.34428181	1.491858704	Up	E-73	E-72	
					2	0	89038						
Rad18	5.4500	16.5446			1.16	7.31						6.14	3.46
	71486	9523	1.602021658	Up	E-19	E-19	5.4500	15.2873942	1.487995456	Up	E-17	E-16	
							71486						
Lsm1	41.107	107.337			2.68	9.61						4.42	1.99
2	14823	1605	1.384688434	Up	E-12	E-12	41.107	115.1070337	1.485514798	Up	E-15	E-15	
					5	4	14823					2	0
Psme3	48.563	155.612			1.20	1.21						2.51	1.69
	97032	8695	1.680003101	Up	E-27	E-27	48.563	135.8991445	1.484578096	Up	E-20	E-20	
					8	6	97032					9	7
Vof16	24.226	62.4648			4.90	9.41						1.51	3.67
	10677	7094	1.366482497	Up	E-68	E-67	24.226	67.66149692	1.481772518	Up	E-84	E-83	
							10677						
Ccnt1	23.447	65.6276			1.98	4.22						2.80	6.14
	3457	8807	1.484879996	Up	E-76	E-75	23.447	65.31311749	1.477948157	Up	E-77	E-76	
							3457						
Papd5	12.174	34.4549			2.87	6.51						4.70	1.07
			1.500803184	Up			12.174	33.91098427	1.4778448	Up			

	88259	4474			E-81	E-80	88259				E-80	E-78
Il6r	4.2203	11.8729	1.492238272	Up	1.26	1.20	4.2203	11.75353667	1.477658682	Up	1.41	1.34
	54964	1778			E-32	E-31	54964				E-32	E-31
Trib1	9.7655	27.0870	1.471829518	Up	8.26	7.69	9.7655	27.16146027	1.475785052	Up	1.03	9.88
	68876	9188			E-32	E-31	68876				E-32	E-32
Foxq1	35.464	96.5553	1.444968874	Up	2.65	1.11	35.464	98.59966284	1.475195796	Up	4.75	2.13
	778	2268			E-14	E-13	778				E-15	E-15
					1	9					2	0
Mrpl4	14.452	36.2509	1.326666323	Up	6.23	3.06	14.452	40.15821854	1.474341886	Up	5.45	3.23
1	84374	7274			E-14	E-13	84374				E-18	E-17
RGD1	3.9477	15.2707	1.951674518	Up	2.40	1.74	3.9477	10.96631881	1.473983875	Up	2.29	1.01
30501	306	3989			E-23	E-22	306				E-12	E-11
4												
Ube2n	44.910	122.195	1.44406567	Up	1.85	5.20	44.910	124.709183	1.473437063	Up	5.51	1.72
	68522	9363			E-10	E-10	68522				E-10	E-10
					1	0					9	7
Tcp11	41.175	112.669	1.452247131	Up	5.67	4.28	41.175	114.303059	1.473016679	Up	2.14	1.60
11	19347	3			E-22	E-22	19347				E-23	E-23
					6	4					9	7
Cyp4f	3.8189	9.31243	1.285971423	Up	1.01	4.16	3.8189	10.59718259	1.472422033	Up	1.12	5.69
17	78548	3636			E-10	E-10	78548				E-14	E-14
Alg10	22.398	61.8664	1.465749895	Up	4.46	1.05	22.398	62.11538126	1.471542678	Up	8.14	2.02
	58943	7242			E-84	E-82	58943				E-87	E-85
Pasma3	8.9867	21.9423	1.287855248	Up	1.39	9.41	8.9867	24.91927216	1.471398028	Up	6.05	5.40
	03459	668			E-21	E-21	03459				E-30	E-29
Bola3	8.5465	20.4784	1.260682256	Up	1.53	6.65	8.5465	23.67059612	1.469675273	Up	1.80	9.97

	89685	0032			E-11	E-11	89685				E-16	E-16
mrpl1	5.0068	13.3474			6.57	2.06	5.0068				1.34	4.38
1	17036	6393	1.414600009	Up	E-07	E-06	17036	13.86521696	1.46950455	Up	E-07	E-07
Sertad	16.018	47.8163			2.07	5.56	16.018				3.13	7.40
4	52148	7219	1.577763685	Up	E-96	E-95	52148	44.2178788	1.464888826	Up	E-82	E-81
Bcap2	21.478	51.8685			1.76	2.14	21.478				1.66	2.84
9	34732	8954	1.271978151	Up	E-42	E-41	34732	59.23904559	1.46366541	Up	E-60	E-59
Usp46	4.7863	10.2879			8.26	5.01	4.7863				2.48	2.64
	02021	1453	1.103967222	Up	E-19	E-18	02021	13.18857895	1.462305785	Up	E-36	E-35
Dusp1	3.0392	7.36388			4.01	1.38	3.0392				5.62	2.30
6	72958	6277	1.276741097	Up	E-08	E-07	72958	8.365691267	1.460758507	Up	E-11	E-10
Plcx	1.8930	4.72273			2.84	1.67	1.8930				1.64	1.20
2	30512	1943	1.318923987	Up	E-18	E-17	30512	5.208218796	1.460092392	Up	E-23	E-22
Usp18	2.3251	8.32372			8.80	3.86	2.3251				3.18	1.01
	82956	7449	1.839885488	Up	E-12	E-11	82956	6.378092717	1.455780831	Up	E-07	E-06
Fam2	1.4405	4.41667			3.44	1.01	1.4405				4.05	0.00
6e	31413	9721	1.616361097	Up	E-06	E-05	31413	3.947700447	1.454411401	Up	E-05	0106
												144
Fam2	21.510	55.9307			2.48	1.10	21.510				2.87	1.48
0b	18208	024	1.378620711	Up	E-14	E-14	18208	58.91286616	1.453563006	Up	E-17	E-16
					6	4					0	8
Cyp2b	2.8299	7.21371			3.56	1.23	2.8299				1.06	4.05
1	22901	9928	1.349980663	Up	E-08	E-07	22901	7.74231626	1.452002492	Up	E-09	E-09
Stk17	23.963	66.8708			7.15	1.68	23.963				4.32	1.00
b	45965	2411	1.48054069	Up	E-84	E-82	45965	65.31477037	1.446573074	Up	E-81	E-79
Yars2	3.7674	9.06573			7.76	2.61	3.7674	10.25297742	1.444385077	Up	1.73	6.89

	43671	1338			E-08	E-07	43671				E-10	E-10
RGD1	41.593	132.606			7.57	1.81	41.593				1.41	2.41
56298	30847	6863	1.672730169	Up	E-85	E-83	30847	113.1861497	1.444274079	Up	E-60	E-59
7					6.11	2.87					1.04	5.06
Sfn13	31.292	83.5667			E-15	E-15	31.292				E-16	E-16
	26267	1731	1.417122484	Up	2	0	26267	85.13457725	1.443939219	Up	2	1
Trim2	6.0379	14.3449			2.58	1.53	6.0379				5.32	4.24
4	54349	3504	1.24840968	Up	E-18	E-17	54349	16.4252319	1.443781985	Up	E-26	E-25
Pcna	56.618	178.887			1.28	5.29	56.618				8.22	2.35
	43627	8577	1.659711656	Up	E-14	E-13	43627	153.9149415	1.442789481	Up	E-10	E-10
					0	9					2	0
Ranbp	31.830	127.404			6.02	1.97	31.830				1.00	1.50
1	2347	7763	2.000949665	Up	E-11	E-11	2347	86.50806521	1.442436848	Up	E-52	E-51
					7	5						
Slc30a	62.240	154.943			0	0	62.240				0	0
4	73078	3914	1.315810318	Up			73078	169.1051777	1.441989929	Up		
Cd164	74.533	204.036			0	0	74.533				0	0
	57564	1442	1.452862365	Up			57564	202.4667105	1.441722342	Up		
Il9r	1.4795	3.86561			8.01	2.90	1.4795				1.01	3.84
	82585	3297	1.385507097	Up	E-09	E-08	82585	4.008611846	1.437912503	Up	E-09	E-09
Selt	52.495	137.934			4.77	1.76	52.495				1.44	5.93
	37592	5177	1.393721279	Up	E-12	E-12	37592	141.8791903	1.434400749	Up	E-14	E-14
					9	7					1	0
Bcl2l1	4.2625	11.0176			3.87	3.47	4.2625				4.15	4.12
1	89491	7652	1.370017983	Up	E-30	E-29	89491	11.49516423	1.43122505	Up	E-34	E-33

Pnpt1	10.566	25.6303	1.278339652	Up	5.10	6.13	10.566	28.4895137	1.430918959	Up	5.03	8.03
	60586	2351			E-42	E-41	60586				E-56	E-55
Pinx1	4.0401	11.8183	1.548545713	Up	1.39	4.95	4.0401	10.87168792	1.428092319	Up	2.17	6.98
	58028	5583			E-08	E-08	58028				E-07	E-07
Pex3	7.1373	20.9904	1.55626675	Up	1.87	1.50	7.1373	19.19992387	1.427633373	Up	4.13	2.86
	83601	6268			E-26	E-25	83601				E-22	E-21
L2hgdh	1.5497	4.07268	1.393968676	Up	3.96	1.37	1.5497	4.16829237	1.427444353	Up	1.06	3.78
	24882	6588			E-08	E-07	24882				E-08	E-08
Tex30	5.8252	17.4780	1.585154595	Up	5.28	3.78	5.8252	15.64946686	1.425720497	Up	2.14	1.29
	54604	9086			E-23	E-22	54604				E-18	E-17
Irf1	4.6495	11.2779	1.278339652	Up	4.77	2.13	4.6495	12.4797409	1.424416666	Up	1.43	7.55
	76823	9785			E-12	E-11	76823				E-15	E-15
Pkn3	9.6341	31.5317	1.710571324	Up	4.18	7.68	9.6341	25.83960464	1.423348393	Up	1.36	1.65
	92148	8685			E-65	E-64	92148				E-42	E-41
Parm1	110.47	306.706	1.473159779	Up	5.12	3.40	110.47	296.0194932	1.421993998	Up	1.65	1.00
	33347	3345			E-20	E-20	33347				E-19	E-18
Celf1	43.976	111.468	1.341831052	Up	3	1		117.7876844	1.4213826	Up	0	8
	54297	5834			2.43	7.52	43.976				7.01	2.56
Cenc	12.819	31.2799	1.286844461	Up	E-11	E-11	54297	34.19297764	1.41530561	Up	E-13	E-12
	98393	6535			1	0	1				1	9
Nr4a2	2.2936	5.41505	1.23935673	Up	1.77	2.48	12.819	6.11328322	1.414327843	Up	2.33	4.15
	09148	6135			E-49	E-48	98393				E-63	E-62
Slc35f2	2.2936	5.41505	1.23935673	Up	1.68	5.49	2.2936	4.208657035	1.412921022	Up	4.99	1.94
	09148	6135			E-07	E-07	09148				E-10	E-09
Slc35f2	1.5805	3.41443	1.111207865	Up	0.00	0.00	1.5805	4.208657035	1.412921022	Up	5.12	1.59
	63423	4816			0209	0508	63423				E-07	E-06

					612	305								
Glrx3	73.383	172.375	1.232028494	Up	8.18	2.10	73.383	195.3673725	1.412662467	Up	1.21	4.47	E-13	E-13
	47259	6003			E-93	E-91	47259				1	0		
Exosc 9	10.360	24.7250	1.254922987	Up	1.90	1.19	10.360	27.50174556	1.408475117	Up	8.39	6.63	E-26	E-25
	17286	0926			E-19	E-18	17286				5.60	7.39		
Slbp	19.092	61.4961	1.687493737	Up	1.65	3.36	19.092	50.61306552	1.406506463	Up	5.60	7.39	E-47	E-46
	46522	9434			E-71	E-70	46522				0	0		
Tsc22 d1	241.50	677.156	1.48743992	Up	0	0	241.50	639.5953205	1.405110383	Up	0	0		
	43208	3226			4.46	5.25	4.4972				22.4972193	1.404680442	Up	1.95
Fam1 34b	8.4972	23.0960	1.442580588	Up	E-41	E-40	40186	4.772722734	1.4036581	Up	1.47	4.79	E-07	E-07
	40186	6124			1.44	5.48	1.8039				43842	9.10		
Mab2 111	1.8039	5.41019	1.58452501	Up	E-09	E-09	43842	2.767092654	1.399963617	Up	9.10	0.00	E-05	0230
	43842	066			1.15	3.19	1.0485				58488	2.17		
Map2 k3	1.0485	3.06179	1.545971769	Up	E-05	E-05	58488	195.033722	1.399403828	Up	2.17	1.95	E-28	E-28
	58488	8			2.11	2.29	73.934				3	1		
Ddx6	73.934	200.164	1.436864153	Up	E-29	E-29	50685	13.62394425	1.398824947	Up	9.47	4.81	E-15	E-14
	50685	1931			5	3	50685				3	1		
Dctd	5.1667	15.5858	1.592919451	Up	2.10	1.31	5.1667	34.32346654	1.39868114	Up	4.01	2.78	E-22	E-21
	15999	7273			E-19	E-18	15999				3.56	9.38		
Polr2d	13.018	39.0289	1.58403237	Up	6.06	5.25	13.018	3.975261527	1.397040221	Up	3.56	9.38	E-05	E-05
	05692	9997			E-29	E-28	05692							
Etv6	1.5094	4.43656	1.555432098	Up	2.86	8.46	1.5094				3.56	9.38	E-05	E-05
	35965	0534			E-06	E-06	35965							

Ptprq	0.3691 95465	0.98868 8355	1.421131007	Up	2.95 E-05	7.86 E-05	0.3691 95465	0.97231586	1.397040221	Up	3.56 E-05	9.38 E-05
Rab10	95.157 81657	235.297 0657	1.306089255	Up	1.98 E-30	2.19 E-30	95.157 81657	250.4051909	1.395870395	Up	0	0
Polr2 m	110.01 71239	267.138 1901	1.279858145	Up	2.26 E-25	1.98 E-25	110.01 71239	289.322983	1.394952838	Up	0	0
Cxcl3	8.9554 83819	20.6398 8014	1.204591312	Up	3.10 E-07	9.93 E-07	8.9554 83819	23.54649947	1.394669317	Up	6.09 E-10	2.35 E-09
Peak1	70.042 98909	164.701 9469	1.233545051	Up	0	0	70.042 98909	183.8731343	1.392398146	Up	0	0
LOC1 00174 910	12.571 68352	27.1794 4833	1.112338314	Up	2.05 E-12	9.35 E-12	12.571 68352	32.95665236	1.390391845	Up	1.29 E-20	8.43 E-20
Rars	61.172 40697	157.676 4152	1.366013934	Up	2.86 E-16	1.53 E-16	61.172 40697	160.0542074	1.387607653	Up	6.49 E-18	3.61 E-17
Ywha b	57.827 72648	145.087 4087	1.327089033	Up	2.99 E-19	1.83 E-18	57.827 72648	151.2067017	1.386688795	Up	0 6	8 4
Prmt5	30.091 57584	81.7201 8545	1.441332818	Up	4.54 E-11	1.46 E-11	30.091 57584	78.68157347	1.386666149	Up	3.25 E-10	9.95 E-10
Thum pd1	19.697 14075	46.3642 8826	1.235027786	Up	5 E-55	3 E-54	19.697 14075	51.44192118	1.384958301	Up	7 E-74	6 E-73





Mob1	20.249	50.9193	1.330316365	Up	1.41	2.73	20.249	52.48662259	1.374051376	Up	9.20	1.99
b	6699	7657			E-68	E-67	6699				E-76	E-74
Bcl7b	10.706	33.1147	1.628988705	Up	2.19	2.47	10.706	27.71056971	1.371949241	Up	8.01	6.55
	50146	9292			E-39	E-38	50146				E-27	E-26
Erlin1	17.820	43.0342	1.271926508	Up	8.54	1.51	17.820	46.09723623	1.371122718	Up	9.90	2.16
	74362	1182			E-63	E-61	74362				E-77	E-75
Rfx7	6.6304	17.4826	1.398739354	Up	6.58	1.39	6.6304	17.02147609	1.360172073	Up	1.12	2.28
	74757	4454			E-75	E-73	74757				E-71	E-70
Gins1	6.4433	20.1642	1.645925555	Up	3.08	1.60	6.4433	16.51549216	1.357942383	Up	3.59	1.41
	26379	9735			E-15	E-14	26379				E-10	E-09
Nifk	51.172	142.704	1.479587817	Up	1.31	4.51	51.172	131.1477246	1.357753624	Up	3.12	8.84
	44788	1183			E-12	E-11	44788				E-10	E-99
					0	9					0	
Bbs7	11.571	30.1771	1.382845297	Up	1.47	1.84	11.571	29.59740012	1.354858139	Up	1.87	2.26
	79214	7197			E-43	E-42	79214				E-42	E-41
Tgfa	12.390	36.7724	1.569412363	Up	8.58	2.33	12.390	31.61835837	1.351548048	Up	1.14	2.25
	32832	8768			E-98	E-96	32832				E-69	E-68
Mapk	32.829	78.7758	1.262770849	Up	5.90	7.75	32.829	83.71435674	1.350491932	Up	5.26	8.28
lip11	28044	8068			E-46	E-45	28044				E-55	E-54
Farsb	79.072	184.952	1.225900449	Up	8.22	4.50	79.072	201.5769493	1.350078486	Up	8.17	5.72
	73259	2225			E-17	E-17	73259				E-22	E-22
					3	1					3	1
Cdc42	16.077	39.9507	1.313198827	Up	6.42	6.98	16.077	40.98170946	1.349957668	Up	2.38	2.81
ep3	27051	1498			E-38	E-37	27051				E-41	E-40
Zfp47	2.7231	9.42017	1.790478321	Up	2.56	1.40	2.7231	6.930587531	1.347701694	Up	7.14	2.58
2	4908	7775			E-16	E-15	4908				E-09	E-08

Rnasek	48.960 25887	125.600 5326	1.359159491	Up	7.31 E-39	8.12 E-38	48.960 25887	124.5474296	1.347012157	Up	6.51 E-39	7.32 E-38
RGD1305089	4.7351 27445	12.1723 5023	1.362132589	Up	6.87 E-16	3.69 E-15	4.7351 27445	12.02555764	1.344628635	Up	9.13 E-16	4.84 E-15
Wdr62	3.5170 56193	8.14614 289	1.211748735	Up	7.33 E-18	4.24 E-17	3.5170 56193	8.928461682	1.344043244	Up	5.38 E-23	3.87 E-22
S100a11	341.62 36365	856.318 9224	1.325740409	Up	1.68 E-12	5.99 E-12	341.62 36365	866.6568594	1.343053095	Up	1.97 E-13	7.27 E-13
Atp1b1	3.6531 97817	10.2816 2331	1.49283628	Up	1.35 E-14	6.86 E-14	3.6531 97817	9.267604162	1.343036549	Up	8.24 E-12	3.55 E-11
Preli3b	17.192 4308	44.2493 6522	1.36388322	Up	3.84 E-28	3.23 E-27	17.192 4308	43.59218461	1.342295967	Up	9.97 E-28	8.36 E-27
Ciart	12.170 57384	31.0255 535	1.350059756	Up	1.82 E-23	1.32 E-22	12.170 57384	30.85821791	1.342257556	Up	1.15 E-23	8.47 E-23
Casp12	59.065 1984	138.317 6726	1.227605258	Up	1.84 E-78	4.01 E-77	59.065 1984	149.3858254	1.338663023	Up	1.54 E-98	4.29 E-97
Cpsf2	20.857 94702	59.5349 7849	1.513140377	Up	1.23 E-17	6.70 E-17	20.857 94702	52.75109392	1.338603847	Up	4.06 E-13	1.49 E-12
Tnfrsf12a	69.991 64733	221.038 8441	1.659045254	Up	4.05 E-14	1.75 E-14	69.991 64733	176.9894557	1.338408744	Up	3.33 E-87	8.28 E-86
Cdca5	4.6578 53646	11.2597 5698	1.273438475	Up	4.72 E-09	1.74 E-08	4.6578 53646	11.77639642	1.338160927	Up	3.11 E-10	1.22 E-09

Hmg2	14.497	37.4789			6.20	1.25	14.497					2.41	4.61
0a	83088	3657	1.370242954	Up	E-71	E-69	83088	36.60309976	1.336128765	Up		E-68	E-67
Parp9	2.3709	5.96951			1.17	4.79	2.3709					6.51	2.66
	19423	0432	1.332165986	Up	E-10	E-10	19423	5.979070276	1.334474535	Up		E-11	E-10
Ilf2	20.231	43.9071			3.79	2.93	20.231					1.98	2.21
	60965	8127	1.117845813	Up	E-25	E-24	60965	51.01639494	1.334349848	Up		E-38	E-37
G3bp2	39.348	110.300			8.44	2.87	39.348					2.10	5.56
	48485	2496	1.487056066	Up	E-12	E-11	48485	98.83601178	1.328728712	Up		E-93	E-92
Abhd1	8.9038	20.0121			5.81	3.56	8.9038					9.08	7.14
7c	16437	6606	1.168381573	Up	E-19	E-18	16437	22.34308225	1.327332466	Up		E-26	E-25
C1galt	11.155	23.8206			8.77	4.07	11.155					7.86	5.03
1c1	89624	8358	1.094408394	Up	E-13	E-12	89624	27.99301427	1.327260423	Up		E-20	E-19
Pole	5.8287	17.5059			7.44	1.66	5.8287					4.12	6.29
	12505	5187	1.58659636	Up	E-80	E-78	12505	14.6202617	1.326719987	Up		E-53	E-52
Taf12	18.047	40.9927			4.16	3.00	18.047					1.58	1.43
	82885	8758	1.183544807	Up	E-23	E-22	82885	45.23764733	1.325698609	Up		E-30	E-29
Zdhhc	9.3267	23.0974			1.28	1.45	9.3267					1.01	1.20
21	07055	9938	1.308296959	Up	E-39	E-38	07055	23.36454101	1.324880987	Up		E-41	E-40
Terf2	6.9609	19.3917			1.89	1.37	6.9609					1.16	7.06
	29617	0917	1.478088074	Up	E-23	E-22	29617	17.43241882	1.32442087	Up		E-18	E-18
Atp6v	2.3238	5.28715			2.98	1.04	2.3238					1.50	5.99
0a4	50294	9189	1.185975633	Up	E-08	E-07	50294	5.818034675	1.324014763	Up		E-10	E-10
Smc2	25.106	59.6416			3.61	1.49	25.106					1.83	9.09
	36788	1232	1.248265929	Up	E-14	E-13	36788	62.76177366	1.321832793	Up		E-16	E-16
					0	8						4	3

Fkbp3	51.737 10938	137.484 3815	1.409996379	Up	1.85 E-85	4.48 E-84	51.737 10938	129.3059004	1.321516753	Up	6.78 E-75	1.45 E-73
Atl2	9.4288 6767	21.8612 1072	1.213216872	Up	8.28 E-28	6.90 E-27	9.4288 6767	23.55826579	1.321076911	Up	1.55 E-34	1.55 E-33
Gtpbp 4	28.804 78431	70.3405 1989	1.288047543	Up	3.62 E-77	7.76 E-76	28.804 78431	71.96948656	1.321076911	Up	7.75 E-84	1.86 E-82
Cmtm 7	4.4467 1959	11.0367 8403	1.311506516	Up	1.90 E-09	7.17 E-09	4.4467 1959	11.10088014	1.319860729	Up	9.20 E-10	3.51 E-09
Serpin b8	6.7433 28177	18.8142 6473	1.480294193	Up	7.62 E-34	7.42 E-33	6.7433 28177	16.83417996	1.319860729	Up	1.68 E-26	1.35 E-25
Rwdd 1	19.496 11141	48.0438 2355	1.301164571	Up	6.21 E-25	4.76 E-24	19.496 11141	48.5375607	1.315915206	Up	3.81 E-26	3.05 E-25
Zfp361 1	24.170 8292	63.8311 1585	1.400992901	Up	1.68 E-93	4.36 E-92	24.170 8292	60.07106316	1.313403231	Up	5.44 E-82	1.28 E-80
Etf1	112.29 25826	282.846 6069	1.33275723	Up	0	0	112.29 25826	278.9708316	1.312851651	Up	0	0
Mrps1 0	32.533 72473	70.7430 5373	1.120652493	Up	5.74 E-15	2.96 E-14	32.533 72473	80.70547241	1.310730499	Up	1.49 E-21	1.01 E-20
Rbm4	12.739 20822	28.9633 0506	1.184950628	Up	1.28 E-18	7.71 E-18	12.739 20822	31.59780425	1.310548696	Up	8.19 E-24	6.06 E-23
Hiat1	2.5314 79358	7.00309 0452	1.468011001	Up	3.03 E-12	1.37 E-11	2.5314 79358	6.278976514	1.310548696	Up	8.51 E-10	3.25 E-09
Sulf2	31.932 65979	79.5135 4369	1.316167893	Up	4.54 E-16	2.23 E-15	31.932 65979	79.1710126	1.309939578	Up	5.59 E-16	2.71 E-16
Rgma	1.1959	3.37764	1.49791964	Up	0	8					2	0
					3.02	1.05	1.1959	2.964778485	1.309827529	Up	2.09	6.17

	00025	2011			E-08	E-07	00025				E-06	E-06
Apex1	27.605	71.3104			1.44	1.87	27.605				7.15	8.54
	44674	8701	1.369161308	Up	E-45	E-44	44674	68.34789632	1.307943985	Up	E-42	E-41
Zcchc	3.6912	9.08545			2.28	6.83	3.6912				1.50	4.47
10	89196	3033	1.299433683	Up	E-06	E-06	89196	9.129182463	1.306360899	Up	E-06	E-06
Rasa2	11.245	30.5622			1.70	2.17	11.245				5.81	6.09
	242	7827	1.442437385	Up	E-44	E-43	242	27.77904646	1.30468237	Up	E-36	E-35
Fbxl2	0.5477	1.55956			2.09	5.64	0.5477				0.00	0.00
2	89524	045	1.509445893	Up	E-05	E-05	89524	1.352922817	1.304385957	Up	0337	0804
Aen	14.220	42.0154			4.06	7.22	14.220				03	339
	14117	4248	1.56298389	Up	E-63	E-62	14117	35.116609	1.304217752	Up	6.13	7.34
Ssu72	56.157	147.194			4.89	1.11	56.157				E-42	E-41
	80774	3181	1.390163459	Up	E-81	E-79	80774	138.426335	1.301559913	Up	6.90	1.39
Pigm	0.9715	2.26674			6.44	0.00	0.9715				E-71	E-69
	67014	8911	1.222239177	Up	E-05	0164	67014	2.391673495	1.299635036	Up	1.33	3.65
Ube2i	6.7218	19.7702				849					E-05	E-05
	9863	9319	1.556393575	Up	1.81	9.14	6.7218	16.54706938	1.299635036	Up	5.65	2.18
Lsm6	7.0534	17.5067			E-14	E-14	9863				E-10	E-09
	57311	2231	1.311506516	Up	3.05	1.90	7.0534	17.35857515	1.299246047	Up	2.99	1.86
Neto2	7.4415	14.9490			E-19	E-18	57311				E-19	E-18
	11597	5533	1.006386708	Up	9.97	3.60	7.4415	18.29711603	1.297948659	Up	4.18	2.16
Slf1	7.0515	17.0740			E-09	E-08	11597				E-15	E-14
	76389	1449	1.275784593	Up	7.42	6.77	7.0515	17.32512186	1.296847785	Up	9.34	8.94
Utp20	12.210	27.0496			E-31	E-30	76389				E-33	E-32
			1.147463267	Up	5.36	1.38	12.210	29.98518499	1.296105483	Up	8.77	3.12

	68716	0747			E-93	E-91	68716					E-12	E-12
												7	5
					1.92	1.34						2.19	1.15
Mmd	55.103	148.140			E-21	E-21	55.103					E-17	E-17
	13294	9879	1.426764612	Up			13294	135.3126247		1.296090198	Up		
					2	0						2	0
Rmdn	12.735	32.1406			6.89	7.10	12.735					3.11	3.10
3	00422	2001	1.335598322	Up	E-36	E-35	00422	31.2719063		1.296067729	Up	E-34	E-33
Calcrl	13.726	34.3242			2.81	2.92	13.726					2.53	2.60
	28393	3238	1.322286354	Up	E-36	E-35	28393	33.67110535		1.294569981	Up	E-35	E-34
					2.77	2.51						1.47	1.44
Abce1	74.064	175.118			E-26	E-26	74.064					E-29	E-29
	87961	7601	1.241472138	Up			87961	181.5361881		1.293395663	Up		
					5	3						9	7
												2.68	8.68
Cnihl	72.127	155.232			8.32	1.78	72.127					E-11	E-11
	84653	8125	1.105805285	Up	E-77	E-75	84653	176.7150072		1.292796307	Up		
												3	2
Sdcbp	2.7364	6.41455			2.85	7.62	2.7364					6.78	1.92
2	47957	3179	1.229044355	Up	E-05	E-05	47957	6.703577418		1.292626788	Up	E-06	E-05
Mmgt	13.141	33.2910			8.08	1.58	13.141					2.00	3.61
1	38558	8046	1.341018298	Up	E-69	E-67	38558	32.16830202		1.29152239	Up	E-64	E-63
Hivep	3.9531	12.6810			4.91	1.19	3.9531					7.93	1.02
2	0993	8443	1.681618144	Up	E-85	E-83	0993	9.660881795		1.289166802	Up	E-46	E-44
					8.45	3.22						1.54	6.32
Qser1	21.499	51.7008			E-13	E-13	21.499					E-14	E-14
	74524	4998	1.265868434	Up			74524	52.48454489		1.28757309	Up		
					3	1						1	0
Rai14	13.067	31.9912			1.69	3.39	13.067					1.67	3.40
	74841	4269	1.29166645	Up	E-70	E-69	74841	31.88493114		1.286864181	Up	E-71	E-70

Cstf3	14.292	35.5629	1.315126831	Up	1.18	1.21	14.292	34.86425407	1.286498807	Up	1.19	1.20
	41597	9033			E-35	E-34	41597				E-34	E-33
Nae1	11.279	23.0615	1.031769231	Up	6.47	3.33	11.279	27.49044395	1.28520699	Up	1.29	9.82
	65714	9738			E-15	E-14	65714				E-24	E-24
Snrpf	10.325	23.2127	1.168671737	Up	2.48	9.30	10.325	25.11869286	1.282514157	Up	1.51	6.41
	75472	745			E-09	E-09	75472				E-11	E-11
Pnrc2	48.543	120.485	1.311506516	Up	5.62	1.70	48.543	117.9001593	1.280206672	Up	2.65	7.89
	80149	9992			E-10	E-10	80149				E-10	E-10
Cyp1b 1	4.8317	14.7984	1.614818932	Up	9	7		11.72176291	1.278565794	Up	5	4
	70272	1539			E-24	E-23	70272				E-14	E-13
Unc5c	0.5084	1.12806	1.149755446	Up	9.54	7.01	4.8317	1.231717984	1.276571192	Up	2.75	1.36
	22852	9712			E-05	E-05	22852				E-07	E-06
Trem3	3.0577	11.7834	1.946222051	Up	1.87	5.10	0.5084	7.404974169	1.276024821	Up	9.05	2.74
	48781	6503			E-05	E-05	22852				E-07	E-06
Casc5	10.813	25.1306	1.216658829	Up	3.67	1.46	3.0577	26.15359524	1.274217359	Up	0.00	0.00
	18796	9818			E-10	E-09	48781				0218	0532
Papol g	3.7809	7.85217	1.054348676	Up				9.142310324	1.273814922	Up	416	471
	37151	6186			E-11	E-11	37151				E-10	8.29
Hsf2	10.382	27.1340	1.38599706	Up	7.42	1.82	10.813	25.08623976	1.272786887	Up	2.92	
	17961	8784			E-88	E-86	18796				E-10	E-99
Mpzl3	5.4027	14.7507	1.449010039	Up	2.02	8.66	3.7809	13.05126697	1.272413567	Up	0	
	892	2984			E-11	E-10	892				1.91	1.11
Mtch2	37.127	90.2201	1.280972147	Up	2.22	2.38	10.382	89.62693783	1.271454089	Up	2.22	2.05
					E-37	E-36	17961				E-31	E-30
					3.07	1.30	5.4027				1.02	3.62
					E-11	E-10	892				E-08	E-08
					1.91	4.96	37.127				5.85	1.57

	24636	9881			E-93	E-92	24636				E-94	E-92
					1.06	3.59					8.98	2.53
Otud4	22.877	59.7369	1.384708664	Up	E-11	E-11	22.877	55.19882146	1.270723239	Up	E-10	E-98
	25928	2143			9	8	25928				0	0
Rbpj	345.54	742.456	1.103430966	Up	0	0	345.54	833.5167144	1.270334914	Up	0	0
	56256	8498					56256					
Nolc1	18.631	51.8498	1.476628247	Up	8.54	2.53	18.631	44.92383474	1.269768846	Up	7.88	1.72
	09202	7404			E-10	E-10	09202				E-77	E-75
					8	6						
Qtrtd1	4.2658	11.2875	1.403838396	Up	5.14	3.17	4.2658	10.26527492	1.266875383	Up	1.84	9.66
	25577	7269			E-19	E-18	25577				E-15	E-15
Cdk2	3.2751	14.6321	2.159503422	Up	5.50	5.14	3.2751	7.873986805	1.265527181	Up	1.94	7.23
	63918	568			E-32	E-31	63918				E-09	E-09
Pter	93.534	233.308	1.318664991	Up	1.79	1.40	93.534	224.5047438	1.263170048	Up	1.60	1.09
	84869	824			E-23	E-23	84869				E-21	E-21
					4	2					6	4
Fhdc1	8.9734	24.1786	1.430003278	Up	1.53	2.38	8.9734	21.52803739	1.262488888	Up	2.17	2.62
	08048	0818			E-55	E-54	08048				E-42	E-41
Brd2	6.1087	13.7097	1.166253492	Up	2.46	1.66	6.1087	14.64710227	1.261667186	Up	5.38	4.29
	45702	4352			E-21	E-20	45702				E-26	E-25
Dhtkd	6.4143	13.2599	1.047712597	Up	1.62	1.06	6.4143	15.37823705	1.261525251	Up	1.06	9.86
1	05054	6961			E-20	E-19	05054				E-31	E-31
											0.00	0.00
Senp8	2.6235	7.77792	1.567846269	Up	4.25	1.23	2.6235	6.287375063	1.260917928	Up	0396	0938
	85668	9554			E-06	E-05	85668				382	848
Trip13	7.4334	19.0947	1.36106234	Up	7.36	4.49	7.4334	17.79124324	1.259055184	Up	3.30	1.79



	92726	2953			E-19	E-18	92726				E-16	E-15
Itga6	73.808	195.350	1.404196368	Up	0	0	73.808	176.6531147	1.259051533	Up	0	0
	94907	3746					94907					
Mcm3	16.420	51.3090	1.643733489	Up	4.25	1.19	16.420	39.29921067	1.2590218	Up	2.12	3.32
	27782	0416			E-10	E-99	27782				E-54	E-53
					1							
Slc10a	10.142	22.6232	1.157335585	Up	7.02	7.80	10.142	24.26133232	1.25818592	Up	3.46	4.69
2	9187	8522			E-39	E-38	9187				E-48	E-47
Nubp1	31.283	65.4581	1.065188255	Up	3.73	3.25	31.283	74.81159961	1.257877474	Up	1.90	2.34
	12214	4686			E-29	E-28	12214				E-43	E-42
Gpatc	8.8144	21.3544	1.276588099	Up	6.97	4.44	8.8144	21.07228563	1.257400996	Up	1.21	7.68
h4	70486	0809			E-20	E-19	70486				E-19	E-19
Vps29	24.718	60.7344	1.296933714	Up	1.59	1.58	24.718	59.08226965	1.257143138	Up	7.25	6.97
	3443	8141			E-34	E-33	3443				E-33	E-32
Syncr1	109.44	255.374	1.222386274	Up	1.25	7.36	109.44	261.2476238	1.255191108	Up	6.26	3.91
p	6575	2534			E-18	E-17	6575				E-19	E-19
					0	9					7	5
Bclaf1	47.859	102.938	1.104899764	Up	7.99	2.78	47.859	114.1283851	1.253767814	Up	8.00	4.06
	91825	9949			E-12	E-12	91825				E-16	E-16
					2	0					8	6
Gprc5	17.485	51.0064	1.544534106	Up	2.24	4.14	17.485	41.62951387	1.251460624	Up	1.31	1.53
a	34288	6765			E-65	E-64	34288				E-40	E-39
Ubap1	36.568	91.2715	1.319546821	Up	4.19	1.37	36.568	87.04639101	1.251166745	Up	1.27	3.82
	9129	0752			E-11	E-11	9129				E-10	E-10
					7	5					5	4
Vkorc	5.1575	13.4929	1.387455369	Up	1.19	4.28	5.1575	12.26641872	1.249958716	Up	3.88	1.22

111	41348	9633			E-08	E-08	41348				E-07	E-06
Id2	27.840	70.8046	1.346634739	Up	2.49	2.05	27.840	66.19407938	1.249493813	Up	1.43	1.05
	94866	0088			E-27	E-26	94866				E-23	E-22
Ptprf	0.6802	1.64760	1.276173442	Up	2.58	7.67	0.6802	1.615548495	1.247827929	Up	3.71	1.07
	77901	4043			E-06	E-06	77901				E-06	E-05
Cstf2t	17.082	40.0499	1.229244493	Up	3.34	5.96	17.082	40.55271721	1.247242991	Up	6.59	1.23
	93179	4015			E-63	E-62	93179				E-67	E-65
Ppp2r	52.593	127.804	1.280990089	Up	2.54	1.04	52.593				1.75	6.64
2a	27903	6601			E-13	E-13	27903	124.7256824	1.24580821	Up	E-13	E-13
					9	7					3	2
Dynll	56.561	130.416	1.205238889	Up	2.99	3.20	56.561	134.0503026	1.244886564	Up	4.87	5.74
1	32852	5356			E-37	E-36	32852				E-41	E-40
Satb2	2.8216	6.79568	1.268067254	Up	9.92	4.09	2.8216	6.684159691	1.244193693	Up	1.61	6.42
	76329	868			E-11	E-10	76329				E-10	E-10
Nfe2l	149.32	368.034	1.301381238	Up	0	0	149.32	353.726139	1.244171383	Up	0	0
2	55929	9273					55929					
Prmt3	14.646	33.9904	1.214544786	Up	6.37	6.75	14.646	34.60651888	1.240460421	Up	1.22	1.39
	77871	2006			E-37	E-36	77871				E-39	E-38
Mapk	11.680	26.5072	1.18229637	Up	5.04	8.93	11.680	27.58163182	1.239618526	Up	5.16	1.06
8	39682	2523			E-63	E-62	39682				E-72	E-70
Foxo1	3.1998	9.02198	1.495424789	Up	6.88	3.54	3.1998	7.555460021	1.239498945	Up	3.96	1.55
	86322	8471			E-15	E-14	86322				E-10	E-09
Mcm2	13.000	41.8391	1.686251309	Up	4.09	1.08	13.000	30.69575813	1.239436245	Up	2.17	2.83
	82393	7391			E-95	E-93	82393				E-46	E-45
Ythdf	30.103	79.3937	1.399117973	Up	5.28	1.69	30.103	71.07498483	1.239434158	Up	3.53	8.91
2	00955	6434			E-11	E-11	00955				E-88	E-87

					5	3								
Txndc	47.904	115.913			4.86	9.83	47.904						4.74	9.03
12	7309	7537	1.274811716	Up	E-71	E-70	7309	113.1043588	1.239414485	Up		E-68	E-67	
Ice2	4.4640	9.18600			3.95	1.67	4.4640					2.13	1.17	
	22468	0536	1.041092579	Up	E-11	E-10	22468	10.53202083	1.238366086	Up		E-16	E-15	
Gart	11.022	26.5978			1.04	1.27	11.022					4.36	5.15	
	45204	5182	1.270864531	Up	E-42	E-41	45204	25.99003405	1.237513324	Up		E-41	E-40	
Snx19	5.0087	10.5540			6.41	4.41	5.0087					1.24	1.12	
	35705	0492	1.075272169	Up	E-22	E-21	35705	11.80828917	1.237281564	Up		E-30	E-29	
Tfb2m	15.574	36.8002			6.74	6.75	15.574					1.85	1.91	
	25214	7157	1.240553525	Up	E-35	E-34	25214	36.71024005	1.23701966	Up		E-35	E-34	
Mbnl2	21.409	52.8270			1.82	5.89	21.409					4.47	1.31	
	58485	5081	1.30302005	Up	E-11	E-11	58485	50.39286707	1.234962719	Up		E-10	E-10	
					5	4						4	2	
Wdr7	1.5567	4.56631			4.80	1.52	1.5567					0.00	0.00	
7	26854	5185	1.552514615	Up	E-07	E-06	26854	3.662837112	1.234445717	Up		0128	0320	
												32	747	
Set	113.53	285.312			1.11	7.69	113.53					4.36	2.46	
	32661	6085	1.329428424	Up	E-21	E-21	32661	266.910868	1.23324297	Up		E-18	E-17	
					1	0						1	9	
Cox6a	35.701	76.0333			1.84	9.26	35.701					3.08	1.91	
2	63103	0743	1.090641564	Up	E-14	E-14	63103	83.87614241	1.232270526	Up		E-19	E-18	
Slc7a1	37.164	83.3394			1.35	1.45	37.164							
1	67767	9768	1.165068309	Up	E-29	E-29	67767	87.28627872	1.231822786	Up		0	0	
					4	2								
Zfp36	13.861	35.6291			2.40	4.36	13.861	32.55221558	1.231684213	Up		5.39	8.04	

7	38607	1104			E-64	E-63	38607				E-52	E-51
Ndufa	9.3810	19.6832			1.20	5.22	9.3810				4.76	2.56
f1	74491	8149	1.069145678	Up	E-11	E-11	74491	22.02730657	1.231468017	Up	E-16	E-15
Ssbp3	9.3009	23.5038			1.10	8.03	9.3009				5.50	3.54
	18526	1404	1.337449783	Up	E-23	E-23	18526	21.78617025	1.227967506	Up	E-20	E-19
Kpna3	31.790	72.4142			5.03	8.93	31.790				1.14	2.26
	27203	8938	1.187689048	Up	E-63	E-62	27203	74.45197454	1.227724749	Up	E-69	E-68
Pcbp3	13.623	28.4822			9.91	6.76	13.623				1.52	1.38
	85395	01	1.063925762	Up	E-22	E-21	85395	31.90591696	1.227689122	Up	E-30	E-29
Smtn	8.2569	19.5230			6.81	6.05	8.2569				1.24	1.10
	38801	1286	1.241496794	Up	E-30	E-29	38801	19.29603709	1.224625668	Up	E-29	E-28
Fam4	18.893	45.6232			6.77	7.93	18.893				4.61	5.09
9b	78774	5548	1.271857439	Up	E-41	E-40	78774	44.03481858	1.220732766	Up	E-38	E-37
Cyp3a	30.845	75.1198			5.45	1.02	30.845				8.40	1.42
9	59596	7161	1.284130077	Up	E-66	E-64	59596	71.80888059	1.219097752	Up	E-60	E-58
Zmat3	7.2702	16.2355			7.43	1.02	7.2702				7.07	1.13
	70266	4317	1.15907475	Up	E-49	E-47	70266	16.89385561	1.216417724	Up	E-56	E-54
Dctpp	5.5530	13.9206			1.02	2.83	5.5530				5.88	0.00
1	98636	5153	1.325861809	Up	E-05	E-05	98636	12.90333917	1.216379532	Up	E-05	0151 749
Uqerh	55.395	147.381			1.01	1.29	55.395				2.48	2.35
	28883	7343	1.411722545	Up	E-44	E-43	28883	128.6459431	1.215570771	Up	E-32	E-31
Ddias	3.6165	8.28166			6.05	2.83	3.6165				1.11	5.30
	34508	8271	1.195313498	Up	E-13	E-12	34508	8.394568661	1.214848279	Up	E-13	E-13
Mcur1	8.2241	20.4989			1.23	5.35	8.2241				5.31	2.06
	87556	7519	1.317606715	Up	E-11	E-11	87556	19.08109578	1.214198953	Up	E-10	E-09

Cdca7	5.5464	15.8694	1.516620945	Up	1.95	1.42	5.5464	12.86657923	1.213996881	Up	1.54	7.74
	31108	5527			E-23	E-22	31108				E-14	E-14
Ppp4r 2	34.802	70.4128	1.016664937	Up	2.24	6.84	34.802	80.73138292	1.213956256	Up	1.02	5.28
	07555	2795			E-11	E-10	07555				E-17	E-16
Zfp28 0d	18.099	38.6787	1.095604163	Up	0	9	0	41.96992251	1.213418405	Up	7.19	1.61
	34382	6034			E-61	E-59	34382				E-79	E-77
Mmac hc	8.6920	21.8355	1.328909562	Up	7.43	1.27	18.099	20.14273636	1.212491238	Up	2.18	1.20
	50411	3695			E-19	E-19	50411				E-16	E-15
Dsn1	17.682	42.6684	1.270864531	Up	7.06	8.04	17.682	40.97326869	1.212376785	Up	1.32	1.41
	3032	8054			E-40	E-39	3032				E-36	E-35
Card6	2.9834	8.03604	1.429503725	Up	5.04	3.22	2.9834	6.902793242	1.210198171	Up	3.77	1.85
	5104	6024			E-20	E-19	5104				E-14	E-13
Cnbp	282.87	597.124	1.077855017	Up	0	0	282.87	653.8642362	1.2088155	Up	0	0
	71442	0316			71442							
Slc43a 2	1.7916	4.08949	1.190652121	Up	5.26	1.93	1.7916	4.140261673	1.208450508	Up	1.82	6.79
	28404	7451			E-09	E-08	28404				E-09	E-09
Pgam 5	28.786	68.1793	1.243961806	Up	2.97	5.10	28.786	66.51647226	1.208338013	Up	1.38	2.31
	12595	7854			E-61	E-60	12595				E-58	E-57
Arl14 ep	61.032	136.293	1.15907475	Up	2.03	4.17	61.032	140.975419	1.207798877	Up	1.41	3.30
	29531	7592			E-72	E-71	29531				E-81	E-80
Ctgf	54.716	114.075	1.059948429	Up	1.96	5.02	54.716	126.2703093	1.206480131	Up	7.21	2.61
	02455	0865			E-92	E-91	02455				E-12	E-12
Htr2a	21.841	51.8193	1.246411487	Up	8	6	8	50.35488828	1.205051932	Up	2.15	2.22
	6206	6701			E-37	E-36	6206				E-35	E-34

Mid1	9.0218 45873	24.4422 7117	1.437883801	Up	8.06 E-32	7.51 E-31	9.0218 45873	20.79240307	1.204561962	Up	1.01 E-21	6.92 E-21
Snrpc	22.811 77662	60.7821 2206	1.413868233	Up	2.59 E-36	2.70 E-35	22.811 77662	52.55846354	1.204144291	Up	1.10 E-25	8.60 E-25
Socs4	15.619 55742	34.6963 2532	1.1514293	Up	7.51 E-29	6.49 E-28	15.619 55742	35.97572565	1.203670212	Up	1.30 E-32	1.24 E-31
Golga 7	55.408 75646	122.069 0824	1.139511947	Up	4.80 E-94	1.26 E-92	55.408 75646	127.5999312	1.203441657	Up	2.32 E-10	7.23 E-10
Arsk	6.0305 60096	15.4949 2365	1.361431741	Up	9.60 E-15	4.91 E-14	6.0305 60096	13.87404188	1.202024239	Up	1.62 E-11	6.84 E-11
Grb10	77.495 2032	178.278 3365	1.201952486	Up	0	0	77.495 2032	178.2872034	1.202024239	Up	0	0
Cdca4	22.799 91094	49.3612 0712	1.114349487	Up	9.65 E-44	1.22 E-42	22.799 91094	52.38232827	1.200051997	Up	4.95 E-53	7.53 E-52
Eif1ad	9.6860 6628	23.2371 8118	1.262452291	Up	2.92 E-28	2.46 E-27	9.6860 6628	22.25159193	1.199925773	Up	9.11 E-26	7.16 E-25
Pds5b	17.951 76589	43.6001 8899	1.280208622	Up	5.06 E-14	2.20 E-14	17.951 76589	41.2311715	1.199609686	Up	2.78 E-12	9.99 E-12
Mcm6	33.449 44135	103.501 6219	1.629599353	Up	2.37 E-19	1.53 E-19	33.449 44135	76.81265754	1.199361948	Up	1.30 E-96	3.56 E-95
Mpho sph8	6.0590 30424	13.3606 9432	1.140836128	Up	2.76 E-16	1.50 E-15	6.0590 30424	13.88193995	1.196050338	Up	1.94 E-18	1.17 E-17
Tmem	11.415	27.3216	1.259039096	Up	8.14	4.95	11.415	26.14572963	1.195569217	Up	3.68	2.10

98	59545	613			E-19	E-18	59545				E-17	E-16
Eef1e	31.680	80.3288			3.66	4.31	31.680				3.01	2.84
1	48336	6293	1.342324108	Up	E-41	E-40	48336	72.55353624	1.195451585	Up	E-32	E-31
Ggh	16.155	35.9058			1.20	7.90	16.155				7.09	5.07
	96729	2437	1.152150756	Up	E-20	E-20	96729	36.98658098	1.194934814	Up	E-23	E-22
RGD1												
30593	10.128	22.7482			1.81	2.19	10.128				9.08	1.16
8	79284	8715	1.167295678	Up	E-42	E-41	79284	23.17429091	1.194062953	Up	E-46	E-44
Npat	8.2650	17.6373			1.75	2.03	8.2650				1.69	2.42
	87981	8811	1.093534849	Up	E-40	E-39	87981	18.89364743	1.192799159	Up	E-50	E-49
Stat3	31.208	72.9100			1.00	4.12	31.208				2.08	8.04
	3642	152	1.224184263	Up	E-13	E-13	3642	71.31353687	1.192243218	Up	E-13	E-13
					9	8					4	3
Ndst3	10.354	20.7196			1.70	1.07	10.354				3.19	2.79
	04847	6464	1.000805676	Up	E-19	E-18	04847	23.64210057	1.191163246	Up	E-29	E-28
Akap6	4.2508	11.6016			3.83	6.22	4.2508				1.24	1.36
	39109	2591	1.448507446	Up	E-58	E-57	39109	9.704636563	1.19092653	Up	E-37	E-36
Fam1	2.4921	5.67007			6.91	2.69	2.4921				3.63	1.42
29a	53631	8232	1.185975633	Up	E-10	E-09	53631	5.688000562	1.1905286	Up	E-10	E-09
Paqr4	2.2320	6.03136			5.69	1.94	2.2320				1.24	3.40
	34055	6238	1.434125802	Up	E-08	E-07	34055	5.093655798	1.190342434	Up	E-05	E-05
Rhobt	4.2303	9.45349			1.10	6.93	4.2303				2.94	1.98
b3	68373	0402	1.160063801	Up	E-19	E-19	68373	9.647406279	1.189357827	Up	E-21	E-20
Mras	1.0027	2.33950			6.44	0.00	1.0027				9.51	0.00
	50438	2505	1.222239177	Up	E-05	0164	50438	2.283880657	1.187524669	Up	E-05	0240
						884						192

Psmb2	58.610	154.029	1.393968676	Up	2.98	5.48	58.610	133.4843597	1.187434433	Up	7.15	9.21
	71243	3153			E-65	E-64	71243				E-46	E-45
Kcnj1 4	1.2638	4.21530	1.73777127	Up	1.19	4.57	1.2638	2.877432135	1.186917347	Up	0.00	0.00
	84436	1506			E-09	E-09	84436				0133	0333
Carm1	12.324	33.1858	1.429007432	Up	5.26	8.69	12.324	28.01835373	1.184809684	Up	835	714
	78523	8938			E-59	E-58	78523				5.76	6.48
Pcdhg a7	1.2834	2.78730	1.118861438	Up	2.81	8.31	1.2834	2.917548801	1.184746248	Up	3.89	1.22
	35274	7125			E-06	E-06	35274				E-07	E-06
Nasp	20.262	57.6913	1.509546686	Up	1.32	3.29	20.262	46.04461584	1.184225171	Up	1.43	2.11
	43132	0833			E-89	E-88	43132				E-51	E-50
Arrdc 3	48.943	109.373	1.160070408	Up	2.87	4.46	48.943	111.2065787	1.184049165	Up	2.70	4.54
	62868	5113			E-55	E-54	62868				E-59	E-58
Sap30 bp	19.294	50.0893	1.376328517	Up	1.42	2.14	19.294	43.77692988	1.181995759	Up	1.74	1.94
	30425	3778			E-53	E-52	30425				E-38	E-37
Dusp6	53.729	134.231	1.320930225	Up	3.46	2.01	53.729	121.8718309	1.181570141	Up	9.06	3.65
	80708	6415			E-17	E-17	80708				E-14	E-13
Gnai1	34.905	84.4644	1.274901763	Up	9	7	34.905	79.14794753	1.181109636	Up	1	9
	20786	3877			E-76	E-74	20786				4.99	9.04
Mrps1 7	11.131	27.6961	1.315073131	Up	7.64	4.65	11.131	25.22844603	1.180437377	Up	3.41	1.77
	23732	8177			E-19	E-18	23732				E-15	E-14
Mdc1	17.018	42.6363	1.324996749	Up	6.02	1.44	17.018	38.53968692	1.179256354	Up	3.88	7.17
	31849	887			E-85	E-83	31849				E-66	E-65
Emgl	14.426	36.5795	1.342367479	Up	7.12	7.12	14.426	32.65059229	1.178437419	Up	1.68	1.35
	00415	9808			E-35	E-34	00415				E-26	E-25



Nop10	17.419	49.1605	1.496763171	Up	4.96	3.93	17.419	39.40225161	1.177541554	Up	1.61	8.45
	90215	0346			E-26	E-25	90215				E-15	E-15
Ercc1	26.887	79.2480	1.559434029	Up	1.14	1.72	26.887	60.77568475	1.176553552	Up	2.01	1.72
	59452	1067			E-53	E-52	59452				E-28	E-27
Lysm d2	6.2932	16.1167	1.356695289	Up	1.21	5.28	6.2932	14.21507422	1.175552028	Up	8.18	2.94
	17037	9518			E-11	E-11	17037				E-09	E-08
Rybp	42.983	96.8379	1.171801377	Up	1.05	5.33	42.983	96.94361643	1.173374034	Up	3.96	2.01
	1695	9739			E-16	E-16	1695				E-16	E-16
Coil	5.5558	13.8247	1.315182174	Up	2.49	1.48	5.5558	12.48837209	1.168514977	Up	1.82	9.10
	14945	4265			E-18	E-17	14945				E-14	E-14
Plag12	8.9051	18.2067	1.031754715	Up	1.87	1.31	8.9051	20.01542104	1.168393461	Up	3.14	2.82
	91267	4749			E-22	E-21	91267				E-30	E-29
Pank3	11.608	25.3447	1.126447932	Up	9.71	1.88	11.608	26.08585856	1.16803163	Up	1.63	3.55
	94033	0233			E-69	E-67	94033				E-76	E-75
Wdhd 1	12.479	34.4217	1.463805213	Up	6.40	1.48	12.479	28.02332539	1.167114602	Up	9.60	1.36
	09716	1013			E-83	E-81	09716				E-50	E-48
Psm8	34.321	87.4735	1.34974532	Up	1.05	1.99	34.321	77.05685542	1.166822544	Up	2.54	3.53
	21839	0415			E-67	E-66	21839				E-49	E-48
Pitrm1	30.886	71.6934	1.214872323	Up	5.69	1.55	30.886	69.34118704	1.166743536	Up	3.00	7.81
	34161	5013			E-98	E-96	34161				E-91	E-90
Ptgr2	15.146	35.9375	1.246486724	Up	6.04	7.93	15.146	33.96096027	1.164871241	Up	3.06	3.53
	72628	6688			E-46	E-45	72628				E-40	E-39
Noval1	1.1451	3.14675	1.458347904	Up	1.42	4.67	1.1451	2.563951233	1.162853642	Up	5.49	0.00
	3301	1131			E-07	E-07	3301				E-05	0142 434

Slc25a32	5.7783 91665	12.3757 5972	1.098777192	Up	7.10 E-12	3.13 E-11	5.7783 91665	12.93653469	1.162711315	Up	1.18 E-13	5.64 E-13
Axin2	27.438 02842	76.7145 0223	1.483322513	Up	1.32 E-13	5.30 E-13	27.438 02842	61.26167792	1.158808063	Up	3.24 E-78	7.17 E-77
Dhfr	27.230 05757	59.0196 8154	1.115996104	Up	3.27 E-18	1.93 E-17	27.230 05757	60.79715198	1.15880371	Up	3.32 E-20	2.15 E-19
Ube2l3	29.278 14796	72.9396 8576	1.316879688	Up	1.84 E-93	4.77 E-92	29.278 14796	65.3472787	1.158302862	Up	8.50 E-71	1.71 E-69
Tpgs2	10.868 64425	23.8605 9936	1.134458293	Up	1.07 E-23	7.87 E-23	10.868 64425	24.25722534	1.158242547	Up	2.27 E-25	1.76 E-24
Eid1	76.118 38928	159.063 0763	1.063282039	Up	2.31 E-95	6.16 E-94	76.118 38928	169.7372915	1.156986623	Up	9.64 E-11	3.28 E-11
Caprin1	172.29 96799	375.033 4724	1.122099343	Up	0	0	172.29 96799	383.8771378	1.15572462	Up	0	0
Atp8b2	50.693 70496	125.342 1684	1.305993344	Up	2.60 E-24	2.10 E-24	50.693 70496	112.9066553	1.155252016	Up	3.54 E-18	2.06 E-18
Rasgrp3	13.363 30993	26.8293 5282	1.005534865	Up	9.90 E-38	1.07 E-36	13.363 30993	29.74224873	1.15423634	Up	1.02 E-52	1.53 E-51
Tank	3.5648 94858	9.15170 0818	1.360180362	Up	5.93 E-11	2.48 E-10	3.5648 94858	7.920053872	1.151650717	Up	6.17 E-08	2.08 E-07
Nucks1	130.20 69043	281.840 472	1.114072846	Up	1.38 E-17	8.06 E-17	130.20 69043	289.1341978	1.150933305	Up	1.78 E-19	1.13 E-19
					9	8					8	6

Mmp1 0	1498.0 70669	3829.44 002	1.35402776	Up		0	0	1498.0 70669	3315.931236	1.146308407	Up	0	0
Fancb	1.7308 44624	3.52403 5005	1.025752033	Up		0.00 0234	0.00 0566	1.7308 44624	3.826472327	1.144538744	Up	2.26 E-05	6.06 E-05
Pola2	3.1696 99883	7.90654 972	1.318702017	Up		4.40 E-10	1.74 E-09	3.1696 99883	7.000591372	1.14313055	Up	1.08 E-07	3.58 E-07
Cadm 1	20.137 7794	46.7202 0312	1.214141941	Up		9.40 E-37	9.88 E-36	20.137 7794	44.4688076	1.142889115	Up	8.84 E-33	8.48 E-32
Ptges2	4.6404 77847	10.6451 4065	1.197849734	Up		1.65 E-10	6.71 E-10	4.6404 77847	10.23115465	1.140623694	Up	1.07 E-09	4.06 E-09
Ajuba	20.263 9678	43.7326 3409	1.109793557	Up		1.41 E-53	2.13 E-52	20.263 9678	44.62613178	1.138972069	Up	3.39 E-58	5.64 E-57
RGD1 31170 3	38.662 24206	78.9367 1968	1.029771264	Up		1.69 E-39	1.90 E-38	38.662 24206	85.07262677	1.137769697	Up	1.22 E-50	1.75 E-49
Utp11 1	31.052 72549	65.9177 3698	1.085946815	Up		1.72 E-32	1.64 E-31	31.052 72549	68.30723756	1.13731855	Up	7.07 E-37	7.59 E-36
Trim5	10.080 03567	22.3120 0521	1.146319433	Up		1.21 E-22	8.57 E-22	10.080 03567	22.13933133	1.135110906	Up	1.18 E-22	8.35 E-22
Figl1	2.4366 76624	5.46157 4883	1.164402222	Up		1.08 E-07	3.58 E-07	2.4366 76624	5.348460387	1.134208855	Up	1.90 E-07	6.12 E-07
Nhp2l 1	68.753 63372	162.795 9777	1.243557185	Up		1.19 E-44	1.53 E-43	68.753 63372	150.8989511	1.134074909	Up	5.22 E-37	5.64 E-36
Tfb1m	8.2510 98761	17.6661 8811	1.098332624	Up		1.22 E-11	5.32 E-11	8.2510 98761	18.09611002	1.133021451	Up	1.11 E-12	5.02 E-12

Snx24	2.0989	4.76196	1.181871235	Up	1.33	3.68	2.0989	4.602591943	1.132761577	Up	2.84	7.57
	74973	2304			E-05	E-05	74973				E-05	E-05
Tdg	18.907	38.3782	1.021360264	Up	6.59	6.97	18.907	41.44469861	1.132258282	Up	1.22	1.64
	11563	6665			E-37	E-36	11563				E-47	E-46
Degs1	114.03	252.703	1.148007783	Up	3.74	1.58	114.03	249.9284347	1.132077388	Up	6.78	2.74
	19151	4645			E-14	E-14	19151				E-14	E-13
					2	0						1
Npap6 0	22.120	53.5049	1.274258269	Up	1.34	2.80	22.120	48.40807158	1.129834331	Up	9.70	1.61
	9492	2004			E-74	E-73	9492				E-58	E-56
Snapc 1	6.8799	14.3354	1.059119354	Up	9.18	3.55	6.8799	15.04649612	1.128960777	Up	2.36	9.88
	34757	3957			E-10	E-09	34757				E-11	E-11
Scaf4	9.4496	21.2163	1.166848273	Up	6.07	6.61	9.4496	20.66450604	1.128828359	Up	5.13	5.39
	08861	2517			E-38	E-37	08861				E-36	E-35
Gnl3	44.331	120.083	1.437638395	Up	2.22	7.40	44.331	96.93658358	1.128713777	Up	2.15	4.12
	35501	4857			E-11	E-11	35501				E-68	E-67
					8	7						
Twist 2	64.871	138.322	1.092374932	Up	3.16	5.36	64.871	141.69947	1.127170244	Up	3.02	5.59
	8334	8068			E-60	E-59	8334				E-66	E-65
Mcm7	34.202	93.0753	1.444276007	Up	8.76	3.02	34.202	74.6119815	1.125284796	Up	1.61	3.10
	99183	1117			E-12	E-11	99183				E-68	E-67
					1	9						
Ppap2 b	5.3659	11.4653	1.095373085	Up	2.93	1.46	5.3659	11.70094108	1.124718513	Up	2.07	1.08
	52001	4001			E-14	E-13	52001				E-15	E-14
Mier3	7.9153	17.1901	1.118861438	Up	4.59	4.30	7.9153	17.25444986	1.124251145	Up	3.69	3.58
	0765	099			E-32	E-31	0765				E-33	E-32
Eif1b	21.345	43.3741	1.022917352	Up	6.91	3.38	21.345	46.48342402	1.122797548	Up	2.73	1.57

	30527	6988			E-14	E-13	30527				E-17	E-16
Rabge	7.6789	17.4500			1.14	7.77	7.6789				1.23	7.80
f1	96143	0046	1.184237446	Up	E-21	E-21	96143	16.70124975	1.120966435	Up	E-19	E-19
Tfap4	5.1158	12.3633			1.52	7.32	5.1158				1.53	6.12
	2138	5389	1.273032368	Up	E-13	E-13	2138	11.11140653	1.119003652	Up	E-10	E-10
Arpc5	111.98	246.515			1.79	9.27	111.98				1.81	8.95
	72146	3475	1.138343437	Up	E-16	E-16	72146	243.0702308	1.118039183	Up	E-16	E-16
					6	5					3	2
Tug1	11.904	25.7048			3.34	4.25	11.904				7.13	9.20
	3735	5832	1.110549363	Up	E-44	E-43	3735	25.82719076	1.117399032	Up	E-46	E-45
Psm1	65.711	150.065			4.75	1.22	65.711				4.62	1.09
2	74199	9879	1.191373937	Up	E-93	E-91	74199	142.550303	1.117248012	Up	E-82	E-80
Ddx52	17.107	39.4451			2.99	3.20	17.107				5.62	5.28
	24758	1243	1.205238889	Up	E-37	E-36	24758	37.06019796	1.115262927	Up	E-32	E-31
Cited2	50.507	108.241			1.01	2.22	50.507				3.26	7.80
	98444	7123	1.099673191	Up	E-78	E-77	98444	109.3990914	1.11501738	Up	E-83	E-82
Dbr1	10.659	24.5600			2.24	1.51	10.659				2.07	1.25
	29956	9037	1.20420323	Up	E-21	E-20	29956	23.06536151	1.113615265	Up	E-18	E-17
Slfn2	46.198	105.653			6.12	1.57	46.198				3.85	8.79
	78765	7642	1.19341727	Up	E-92	E-90	78765	99.96131604	1.113514902	Up	E-80	E-79
Timel	5.1216	13.8137			3.59	3.46	5.1216				3.31	2.05
ess	74722	3559	1.431415979	Up	E-33	E-32	74722	11.07605741	1.112756901	Up	E-19	E-18
Zfr	34.272	70.3468			1.19	3.94	34.272				1.45	5.95
	29301	865	1.037443853	Up	E-11	E-11	29301	74.09695561	1.112371549	Up	E-14	E-14
					7	6					1	0
Nlk	10.840	23.1298			5.14	6.04	10.840	23.42499842	1.111598919	Up	1.40	1.73

	64075	485			E-41	E-40	64075				E-43	E-42
Myo1	21.821	53.3962			4.16	1.06	21.821				1.56	2.84
b	93893	0034	1.290957789	Up	E-91	E-89	93893	47.08919304	1.109616705	Up	E-65	E-64
Wee1	8.4666	16.9856			5.17	3.18	8.4666				4.03	3.02
	7863	889	1.004451697	Up	E-19	E-18	7863	18.26752427	1.109413089	Up	E-24	E-23
Gemin	5.2836	11.5566			3.84	1.12	5.2836				4.79	1.37
6	10026	6931	1.129129773	Up	E-06	E-05	10026	11.3958673	1.108914835	Up	E-06	E-05
Ttk1	4.1433	8.64134			1.35	6.21	4.1433				3.96	1.94
	88364	4535	1.060444751	Up	E-12	E-12	88364	8.936598982	1.108914835	Up	E-14	E-13
Baz1a	10.548	26.5196			9.20	1.82	10.548				7.82	1.03
	82837	539	1.329979176	Up	E-70	E-68	82837	22.75206681	1.108914835	Up	E-47	E-45
Bdnf	34.765	74.4750			3.98	1.31	34.765				2.50	8.67
	78492	2841	1.099088607	Up	E-11	E-11	78492	74.95995439	1.108451913	Up	E-12	E-12
					7	5					2	1
Asns	58.941	143.503			1.43	5.50	58.941				1.39	3.81
	37199	3481	1.283731849	Up	E-13	E-13	37199	127.0651652	1.108216024	Up	E-97	E-96
					4	3						
Cebpz	21.786	49.9325			3.21	7.64	21.786				4.41	9.10
	8419	8023	1.196524372	Up	E-84	E-83	8419	46.94414259	1.107488072	Up	E-72	E-71
Nip7	16.347	38.9099			6.62	4.56	16.347				3.87	2.21
	79442	1639	1.251041874	Up	E-22	E-21	79442	35.22438721	1.107478603	Up	E-17	E-16
Tmem	20.835	43.0844			1.73	2.05	20.835				4.86	6.58
123	69304	8618	1.048111391	Up	E-41	E-40	69304	44.87920268	1.106989958	Up	E-48	E-47
Hnrnp	3.2905	6.74272			1.54	4.21	3.2905				2.20	6.47
h3	80557	1553	1.03498888	Up	E-05	E-05	80557	7.086231039	1.106676362	Up	E-06	E-06
Cmtr2	6.4313	14.7579			2.43	1.75	6.4313	13.81898856	1.103460405	Up	6.65	4.27

	41582	0083			E-23	E-22	41582					E-20	E-19
Sharpin	17.603	41.0823	1.222697249	Up	1.86	1.68	17.603	37.77789039	1.101719333	Up		1.12	8.56
	01812	8833			E-30	E-29	01812					E-24	E-24
Elk3	27.592	58.9911	1.096221584	Up	8.70	2.00	27.592	59.13410832	1.099713104	Up		2.17	5.29
	52353	6871			E-83	E-81	52353					E-85	E-84
Wdr75	21.078	46.4623	1.140319866	Up	2.22	2.32	21.078	45.14399781	1.098790617	Up		3.05	3.04
	0816	9211			E-36	E-35	0816					E-34	E-33
					2.04	6.12							
Atad2	18.853	44.3547	1.234273412	Up	E-10	E-10	18.853	40.35472729	1.097922567	Up		1.67	4.04
	27452	4747			8	7	27452					E-84	E-83
					2.49	1.19	7.6925					3.76	1.56
Polr1e	7.6925	17.7451	1.205896328	Up	E-13	E-12	10315	16.44832219	1.096414051	Up		E-11	E-10
	10315	2462											
Casp3	15.416	33.0465	1.10000241	Up	4.31	3.95	15.416	32.94901329	1.095739446	Up		1.55	1.44
	71958	1705			E-31	E-30	71958					E-31	E-30
Ptpnj	2.0880	4.52887	1.116969378	Up	3.67	1.82	2.0880	4.462343347	1.095618012	Up		6.88	3.31
	89444	553			E-14	E-13	89444					E-14	E-13
Prpf38b	19.494	46.0026	1.238627636	Up	1.12	1.94	19.494	41.6466089	1.095109035	Up		1.48	1.98
	80863	7098			E-61	E-60	80863					E-47	E-46
					7.45	1.12	11.304					7.80	1.00
Ube2k	11.304	25.5631	1.177227922	Up	E-53	E-51	01315	24.14392498	1.09482518	Up		E-46	E-44
	01315	0302											
Hsp90aa1	6.3023	21.0916	1.742712952	Up	1.01	1.28	6.3023	13.45941227	1.094654142	Up		2.39	1.25
	47775	8308			E-43	E-42	47775					E-15	E-14
Nuf2	23.751	48.2093	1.021320503	Up	2.66	2.32	23.751	50.70618289	1.094168249	Up		6.15	6.24
	08507	8174			E-29	E-28	08507					E-35	E-34
Dhx33	6.0321	12.1811	1.013891878	Up	4.79	2.14	6.0321	12.87346989	1.093648078	Up		2.09	1.04
	86292	0293			E-12	E-11	86292					E-14	E-13

Sf3a2	13.593 37728	31.2972 1521	1.203130355	Up	1.40 E-22	9.82 E-22	13.593 37728	28.95859838	1.091087838	Up	1.24 E-18	7.52 E-18
Dek	23.136 12738	57.3890 7405	1.310628697	Up	2.82 E-71	5.72 E-70	23.136 12738	49.27752165	1.090782299	Up	1.08 E-47	1.46 E-46
Xpo4	10.271 96959	21.9025 9885	1.092389226	Up	5.04 E-74	1.05 E-72	10.271 96959	21.87743243	1.090730595	Up	1.58 E-75	3.39 E-74
Fam3 5a	11.380 76072	24.5569 3711	1.109533635	Up	6.32 E-32	5.90 E-31	11.380 76072	24.23880732	1.090721718	Up	1.94 E-31	1.80 E-30
Luzp1	6.7702 61755	17.2454 0718	1.348928674	Up	1.30 E-65	2.40 E-64	6.7702 61755	14.41426733	1.090213989	Up	4.90 E-41	5.76 E-40
Yaf2	9.1918 04109	18.7758 4729	1.030458056	Up	1.11 E-14	5.64 E-14	9.1918 04109	19.5647144	1.089834093	Up	6.76 E-17	3.80 E-16
Rgs9	2.9656 25108	6.69823 5967	1.175444966	Up	5.67 E-08	1.93 E-07	2.9656 25108	6.311074895	1.08954951	Up	5.22 E-07	1.61 E-06
Wdr4 3	30.828 80963	72.0468 4658	1.224656102	Up	1.94 E-10	5.71 E-10	30.828 80963	65.57713255	1.088913635	Up	1.07 E-83	2.56 E-82
Dclre1 b	8.8356 27908	21.7286 8146	1.298196062	Up	3.17 E-42	3.82 E-41	8.8356 27908	18.7925144	1.08875354	Up	5.77 E-29	4.99 E-28
Myc	66.055 73317	162.655 5664	1.300064508	Up	4.36 E-18	2.56 E-17	66.055 73317	140.4939249	1.08875206	Up	1.81 E-12	6.26 E-12
Ndufb 6	27.874 61289	58.9773 3635	1.081208896	Up	0 E-14	8 E-14	27.874 61289	59.26672321	1.088270525	Up	1 E-15	0 E-14
Sh3bg rl	30.289 76214	61.5244 6535	1.022329967	Up	1.24 E-58	6.31 E-57	27.874 76214	64.37567646	1.087685438	Up	3.70 E-69	1.91 E-68



Rpa2	14.330 76462	43.4522 5119	1.600315336	Up	8.72 E-41	1.02 E-39	14.330 76462	30.45603295	1.087612449	Up	2.85 E-17	1.63 E-16
Galnt1	74.687 35398	159.909 854	1.098322951	Up	4.41 E-10	1.29 E-10	74.687 35398	158.6690409	1.087084768	Up	4.39 E-10	1.34 E-10
Eif2ak 2	8.9089 96449	19.2310 3903	1.110101878	Up	7 E-28	5 E-27	8.9089 96449	18.9112527	1.085910098	Up	8.49 E-28	7.14 E-27
Cyp4v 3	7.1136 72446	14.4154 8598	1.018953023	Up	2.56 E-16	1.40 E-15	7.1136 72446	15.09700128	1.085595564	Up	4.23 E-19	2.61 E-18
RGD1 30650 2	5.1903 19961	11.5703 0775	1.156531856	Up	1.52 E-18	9.14 E-18	5.1903 19961	11.01222473	1.085210574	Up	1.61 E-16	8.91 E-16
Ccdc8 6	19.610 12376	42.7622 168	1.124738004	Up	4.77 E-18	2.78 E-17	19.610 12376	41.49013883	1.081169844	Up	6.08 E-17	3.43 E-16
Rlim	1.8883 14123	4.81234 6164	1.349641644	Up	1.75 E-06	5.28 E-06	1.8883 14123	3.995202482	1.081169844	Up	0.00 0217	0.00 0531
Icos	5.5599 51628	12.4460 5143	1.162543876	Up	73 E-11	01 E-11	5.5599 51628	11.73889667	1.078152581	Up	4.15 E-10	1.62 E-09
Stau2	7.8541 47741	15.7957 0314	1.008005518	Up	01 E-14	01 E-13	7.8541 47741	16.56364283	1.076493357	Up	6.77 E-17	3.80 E-16
Smad 5	26.184 12888	56.3627 496	1.106049385	Up	01 E-36	01 E-35	26.184 12888	55.18710812	1.07563868	Up	6.23 E-35	6.32 E-34
Sssca1	12.953 36652	31.3888 7624	1.276926284	Up	01 E-16	01 E-16	12.953 36652	27.29126415	1.075112127	Up	8.20 E-12	3.53 E-11
Ptcd3	17.405	36.6314	1.073578686	Up	2.95	2.97	17.405	36.59045413	1.071963699	Up	5.87	6.15

	02182	3729			E-35	E-34	02182				E-36	E-35
Ddx18	28.863	71.0994	1.300611874	Up	1.76	3.65	28.863	60.67736874	1.071932193	Up	4.17	5.65
	10146	4048			E-73	E-72	10146				E-48	E-47
Fxn	11.804	28.1360	1.253089829	Up	4.38	1.85	11.804	24.78663045	1.070234367	Up	3.31	1.14
	42522	075			E-11	E-10	42522				E-08	E-07
Gng5	108.01	227.514	1.074688755	Up	4.82	1.50	108.01	226.7310196	1.069713055	Up	1.58	5.11
	77744	3406			E-11	E-11	77744				E-11	E-11
					2	0					3	2
Ppm1l	6.3633	13.5546	1.090939136	Up	7.33	9.43	6.3633	13.33313494	1.067166273	Up	1.09	1.35
	11974	5971			E-45	E-44	11974				E-43	E-42
Nabp1	6.0927	12.9786	1.09097204	Up	3.81	1.71	6.0927	12.75274586	1.06563577	Up	8.17	3.52
	78275	8471			E-12	E-11	78275				E-12	E-11
Api5	53.174	109.908	1.047496986	Up	7.36	2.83	53.174	111.2209636	1.064629022	Up	2.44	1.01
	2513	0233			E-13	E-13	2513				E-14	E-14
					4	2					2	0
Asf1a	5.8168	13.9077	1.257567708	Up	2.65	1.57	5.8168	12.15468903	1.063196534	Up	4.83	2.23
	75977	0295			E-18	E-17	75977				E-13	E-12
Tcp1	102.82	217.896	1.08350496	Up	2.23	9.50	102.82	214.838633	1.063115882	Up	1.46	5.86
	11865	4248			E-14	E-14	11865				E-13	E-13
					2	1					9	8
Cend1	316.66	686.873	1.117067728	Up	0	0	316.66	661.4594997	1.062675988	Up	0	0
	92621	5666					92621					
Klh17	7.5480	16.1738	1.099496113	Up	2.62	1.55	7.5480	15.74438556	1.06066839	Up	2.53	1.46
	14323	7289			E-18	E-17	14323				E-17	E-16
Trim1	2.4033	5.47585	1.188023462	Up	4.66	1.84	2.4033	5.010886231	1.060005234	Up	3.67	1.26
5	72964	4111			E-10	E-09	72964				E-08	E-07

Tsc22	15.574	36.5035			2.93	2.76	15.574					1.20	8.81
d3	57353	2789	1.228843241	Up	E-32	E-31	57353	32.43488981	1.058353878	Up		E-23	E-23
Prkca	11.144	23.3719			1.52	1.41	11.144					1.38	1.29
	54831	5913	1.068440526	Up	E-31	E-30	54831	23.20499517	1.058097251	Up		E-31	E-30
Nsmc	16.966	39.3236			6.58	3.54	16.966					3.79	1.66
e4a	25886	3915	1.212728361	Up	E-16	E-15	25886	35.30186449	1.057075903	Up		E-12	E-11
Ints2	9.8158	22.0110			2.90	4.37	9.8158					1.18	1.46
	12993	4065	1.165047687	Up	E-53	E-52	12993	20.4164621	1.056553219	Up		E-43	E-42
Mto1	2.9390	6.02935			3.67	1.08	2.9390					1.74	5.18
	63207	2426	1.036646674	Up	E-06	E-05	63207	6.106206293	1.054919945	Up		E-06	E-06
Rnmtl	6.5413	16.0538			1.47	6.76	6.5413					2.11	7.38
1	38935	9924	1.295265875	Up	E-12	E-12	38935	13.58915886	1.054798286	Up		E-08	E-08
Mgst2	229.40	551.665			1.27	4.42	229.40					2.35	5.47
	71275	6352	1.265883898	Up	E-12	E-12	71275	476.4387977	1.054380685	Up		E-81	E-80
					1	0							
Rbbp5	21.863	44.5179			3.78	6.04	21.863					5.48	9.58
	06255	8254	1.025892708	Up	E-57	E-56	06255	45.34174586	1.052344437	Up		E-62	E-61
Tra2b	48.822	100.141			5.26	9.93	48.822					6.52	1.32
	26103	937	1.036435252	Up	E-67	E-66	26103	101.1977524	1.051566233	Up		E-71	E-69
Abl2	36.692	78.9875			4.27	1.30	36.692					3.23	9.13
	17301	148	1.106152284	Up	E-11	E-10	17301	76.02605729	1.051021628	Up		E-10	E-99
					0	8						0	
Stard1	9.5393	22.3380			9.24	1.42	9.5393					2.48	2.80
3	577	7025	1.227540524	Up	E-55	E-53	577	19.76377427	1.050894448	Up		E-39	E-38
Home	4.7561	10.6595			1.09	6.60	4.7561					2.90	1.51
r1	62466	7903	1.164280562	Up	E-18	E-18	62466	9.839754914	1.048824385	Up		E-15	E-14

Nkiras	2.1492	5.33434			6.96	2.35	2.1492					3.51	9.26
1	08706	8581	1.311506516	Up	E-08	E-07	08706	4.424042222	1.041559567	Up		E-05	E-05
E2f6	14.780	31.6492			1.54	1.24	14.780					4.35	3.25
	52303	9843	1.098476197	Up	E-26	E-25	52303	30.39902542	1.040327749	Up		E-24	E-23
Lemd	6.2644	13.4048			1.14	6.29	6.2644					3.54	1.83
3	6481	117	1.097487787	Up	E-16	E-16	6481	12.87557684	1.039373901	Up		E-15	E-14
Abca7	3.2436	8.28355			1.58	1.35	3.2436					2.93	1.59
	64414	5102	1.352625503	Up	E-28	E-27	64414	6.66289923	1.038525507	Up		E-16	E-15
Usp36	29.160	59.5335			3.24	7.68	29.160					9.55	2.38
	86716	8451	1.02967014	Up	E-84	E-83	86716	59.8558106	1.037457684	Up		E-88	E-86
Ptges	43.549	150.189			3.81	1.59	43.549					1.68	1.91
	75537	2492	1.786045027	Up	E-14	E-13	75537	89.38140412	1.037310094	Up		E-39	E-38
					1	9							
Bnc2	2.0023	4.20697			2.05	6.67	2.0023					4.53	1.41
	73255	8558	1.071073539	Up	E-07	E-07	73255	4.101583697	1.034470142	Up		E-07	E-06
Naa50	31.662	63.9857			1.64	4.41	31.662					8.65	2.49
	70684	3807	1.014965779	Up	E-96	E-95	70684	64.76591006	1.032450045	Up		E-10	E-10
												3	1
Mtmr	21.755	47.1989			6.05	1.40	21.755					3.91	7.83
10	18464	2818	1.117394837	Up	E-83	E-81	18464	44.35482261	1.027731713	Up		E-70	E-69
Ube2v	10.007	20.9260			4.61	3.55	10.007					1.08	7.99
2	09256	0401	1.064273966	Up	E-25	E-24	09256	20.3855986	1.026527443	Up		E-23	E-23
Gla	6.2193	14.8555			8.64	4.62	6.2193					1.63	6.52
	67111	6179	1.256163482	Up	E-16	E-15	67111	12.65448578	1.024809202	Up		E-10	E-10
Naa10	9.1928	19.4891			6.38	2.16	9.1928					3.20	1.01
	05504	7663	1.084096019	Up	E-08	E-07	05504	18.68177092	1.023054098	Up		E-07	E-06

Zfp36	2.8615 65784	6.01733 061	1.072318852	Up	3.83 E-05	0.00 0100 632	2.8615 65784	5.806177582	1.020783924	Up	8.49 E-05	0.00 0215 627
Tcf19	17.946 18318	43.0158 7228	1.261192051	Up	9.42 E-21	6.22 E-20	17.946 18318	36.37618989	1.019317398	Up	2.08 E-13	9.78 E-13
Tpbp	21.560 20894	48.5435 4083	1.170908185	Up	6.60 E-47	8.83 E-46	21.560 20894	43.68510236	1.018770212	Up	4.44 E-35	4.53 E-34
Dlc1	1.6637 43838	3.36547 8879	1.01637848	Up	4.89 E-06	1.41 E-05	1.6637 43838	3.368328838	1.017599668	Up	3.65 E-06	1.06 E-05
Ube2d 3	154.41 53148	334.274 6964	1.114218306	Up	2.75 E-19	1.70 E-18	154.41 53148	312.5455923	1.017250812	Up	7.29 E-15	3.39 E-15
Tpm3	93.659 19264	195.070 021	1.05849957	Up	0 E-11	8 E-11	93.659 19264	189.362019	1.015654487	Up	8 E-11	6 E-10
Prkce	2.1025 80123	5.88857 3644	1.485757442	Up	2.41 E-10	7.99 E-09	2.1025 80123	4.248929672	1.014938686	Up	2.96 E-05	9.28 0192 535
Eif2s1	169.38 86237	340.444 6438	1.007083251	Up	8 E-14	7 E-14	169.38 86237	342.1573985	1.014323158	Up	9.44 E-15	4.35 E-15
Thyn1	15.349 5787	31.0011 0551	1.014120605	Up	6.29 E-11	2.63 E-10	15.349 5787	30.98593995	1.013414674	Up	5 E-11	3 E-10
Alg3	5.7647 49461	14.1826 3187	1.298795464	Up	8 E-11	7 E-10	5.7647 49461	11.63378243	1.012990415	Up	3.83 E-07	1.59 E-06
Ankrd	19.583	43.7087	1.158269822	Up	5.99 E-11	2.51 E-10	19.583	39.44018092	1.010013173	Up	8.53 E-07	2.60 E-06
					1.32	1.61	19.583				4.51	4.24

46	69502	7116			E-42	E-41	69502					E-32	E-31
												0.00	0.00
Acyp1	7.4486	16.0406			3.30	8.75	7.4486					0165	0409
	01451	0103	1.106686724	Up	E-05	E-05	01451	14.99436719	1.009379161	Up		445	118
												7.59	2.31
Plgrkt	8.1400	17.9394			1.67	5.94	8.1400					E-07	E-06
	61697	7515	1.140026048	Up	E-08	E-08	61697	16.38630752	1.009379161	Up		3.46	2.94
Pik3r1	18.765	40.0979			5.10	4.89	18.765					E-28	E-27
	43942	4008	1.095450051	Up	E-33	E-32	43942	37.77566714	1.009379161	Up		3.00	4.08
Dpp7	42.060	87.3965			4.06	5.99	42.060					E-48	E-47
	6347	996	1.055106528	Up	E-52	E-51	6347	84.64569513	1.008966077	Up		5.48	4.37
Ets1	7.4556	17.5832			3.46	3.98	7.4556					E-26	E-25
	55794	7724	1.237796829	Up	E-40	E-39	55794	15.00035302	1.008589293	Up		1.78	5.78
Fjx1	4.4440	10.2665			1.49	6.08	4.4440					E-07	E-07
	63999	6411	1.20800194	Up	E-10	E-10	63999	8.926437434	1.006204913	Up		1.85	1.41
Rad51	16.447	34.6082			9.51	7.90	16.447					E-24	E-23
	21726	4316	1.073272195	Up	E-28	E-27	21726	32.9564065	1.002715431	Up		6.87	8.68
N4bp2	34.190	69.8925			6.09	8.15	34.190					E-45	E-44
12	07004	9969	1.031562331	Up	E-47	E-46	07004	68.40951395	1.000619602	Up		5.45	4.61
Alb	4.4529	0.001	-12.12053388	Down	1.09	8.78	4.4529					E-28	E-27
	13517				E-26	E-26	13517	0.001	-12.12053388	Down		3.08	8.17
												E-05	E-05
Npb	3.9920	0.001	-11.96291802	Down	5.19	0.00	3.9920					8.43	0.00
	60909				E-05	0134	60909	0.001	-11.96291802	Down		E-05	E-05
						234							
Apoh	1.1296	0.001	-10.14163614	Down	0.00	0.00	1.1296					E-05	0214
	31209				0135	0335	31209	0.001	-10.14163614	Down			126
					508	635							

Best1	1.0735 62197	0.17763 9177	-2.59538408	Down	0.00 0348	0.00 0824	1.0735 62197	0.001	-10.06819006	Down	2.00 E-07	6.45 E-07
Mug1	0.4043 90586	0.001	-8.659605601	Down	2.91 E-06	8.61 E-06	0.4043 90586	0.001	-8.659605601	Down	1.50 E-06	4.47 E-06
Ali3	0.3409 95712	0.01923 5303	-4.147925103	Down	0.00 0166	0.00 0409	0.3409 95712	0.001	-8.413609786	Down	1.12 E-05	3.10 E-05
Car9	137.46 87667	2.54047 1819	-5.7578636	Down	0	0	137.46 87667	2.873673462	-5.580063924	Down	0	0
Smtnl 2	1.5922 37671	0.001	-10.63683999	Down	4.24 E-12	1.90 E-11	1.5922 37671	0.033917942	-5.552863263	Down	2.11 E-11	8.83 E-11
Egln3	4.5404 91002	0.12662 3879	-5.164226915	Down	2.74 E-32	2.58 E-31	4.5404 91002	0.146712858	-4.951781097	Down	5.16 E-33	4.98 E-32
Pygl	39.743 96922	2.33459 275	-4.08949315	Down	1.05 E-22	7.80 E-22	39.743 96922	1.920153216	-4.371442623	Down	2.01 E-24	1.53 E-24
Pzp	0.3372 85283	0.001	-8.397825558	Down	1.99 E-05	5.39 E-05	0.3372 85283	0.017635593	-4.25740738	Down	9.68 E-05	0.00 0244 321
Rasip 1	0.6784 79021	0.001	-9.406160398	Down	1.99 E-05	5.39 E-05	0.6784 79021	0.035475547	-4.25740738	Down	9.68 E-05	0.00 0244 371
Adm	180.60 11809	6.55792 0986	-4.783424997	Down	0	0	180.60 11809	9.773551523	-4.20778061	Down	0	0
Ankrd	15.653	0.58513	-4.741604821	Down	7.36	6.37	15.653	0.867800779	-4.173015192	Down	9.16	7.71

37	90813	6921			E-29	E-28	90813					E-28	E-27
Pfkl	162.58	10.3131	-3.978672265	Down	0	0	162.58	9.408720737	-4.111091353	Down	0	0	
	94606	8233					94606						
Abca4	66.108	3.68501	-4.165102869	Down	0	0	66.108	4.823545177	-3.776679379	Down	0	0	
	92992	4736					92992						
Ddit3	1057.7	72.7070	-3.862750564	Down	0	0	1057.7	79.39394423	-3.735816542	Down	0	0	
	43135	3421					43135						
Rab40	11.043	0.71876	-3.941474226	Down	5.74	7.06	11.043	0.84390245	-3.709919584	Down	1.13	1.37	
b	05726	5718			E-43	E-42	05726				E-42	E-41	
Acap1	9.4334	0.65038	-3.858418486	Down	1.13	1.53	9.4334	0.770313839	-3.614263808	Down	4.47	5.91	
	2756	3955			E-47	E-46	2756				E-47	E-46	
Terc	7.0375	0.91932	-2.936420998	Down	1.60	4.36	7.0375	0.639108434	-3.460940774	Down	1.75	5.18	
	50674	8523			E-05	E-05	50674				E-06	E-06	
Onecu	0.7338				7.61	2.14	0.7338				0.00	0.00	
t1	59707	0.001	-9.519360478	Down	E-06	E-05	59707	0.070347255	-3.382938262	Down	0188	0462	
											423	853	
Tmem	8.7789	1.41227	-2.636026065	Down	1.31	9.27	8.7789	0.84154097	-3.382938262	Down	4.10	3.67	
204	21274	1645			E-22	E-22	21274				E-30	E-29	
Trim4	3.4779	0.30829	-3.495848406	Down	4.00	2.16	3.4779	0.357208402	-3.283402588	Down	6.72	3.58	
5	57991	686			E-16	E-15	57991				E-16	E-15	
CrelD2	322.82	44.9855	-2.843207063	Down	0	0	322.82	34.25633888	-3.236297285	Down	0	0	
	22826	3545					22826						
Tf	2.2572	0.46688	-2.273455985	Down	2.61	8.42	2.2572	0.252445973	-3.16054584	Down	2.30	9.09	
	90985	4119			E-07	E-07	90985				E-10	E-10	
P4ha2	90.512	12.3265	-2.876340394	Down	0	0	90.512	10.39027431	-3.122875422	Down	0	0	
	0056	4745					0056						



Ppp1r 3c	12.851 21462	0.55106 2426	-4.543545149	Down	1.47 E-80	3.31 E-79	12.851 21462	1.502326866	-3.096634076	Down	4.69 E-61	8.11 E-60
Mxd4	22.557 67075	3.08537 5136	-2.870100291	Down	1.97 E-41	2.34 E-40	22.557 67075	2.650637062	-3.089207059	Down	1.83 E-46	2.39 E-45
Rapsn	2.4119 86451	0.43652 0327	-2.466101063	Down	1.03 E-05	2.88 E-05	2.4119 86451	0.289014071	-3.061010167	Down	3.80 E-07	1.19 E-06
Trip10	30.532 99205	3.73724 7035	-3.030321137	Down	2.45 E-84	5.85 E-83	30.532 99205	3.704696077	-3.042941874	Down	3.85 E-88	9.70 E-87
Mzf1	2.9915 52721	0.71775 4964	-2.05933118	Down	2.90 E-12	1.31 E-11	2.9915 52721	0.36706311	-3.026794451	Down	2.78 E-19	1.73 E-18
LOC3 02022	4.1181 87741	0.91730 2083	-2.166540781	Down	2.00 E-07	6.51 E-07	4.1181 87741	0.546599719	-2.913452978	Down	2.48 E-10	9.76 E-10
Scd1	0.5459 53358	0.03985 4689	-3.775956326	Down	4.84 E-06	1.39 E-05	0.5459 53358	0.073884267	-2.885438602	Down	3.58 E-05	9.43 E-05
Gpr14 6	2.9297 10816	0.19652 8632	-3.89794685	Down	4.98 E-12	2.22 E-11	2.9297 10816	0.4098745	-2.837504125	Down	1.24 E-09	4.70 E-09
Trpt1	7.2305 89154	1.54710 0395	-2.224546385	Down	1.60 E-24	1.22 E-23	7.2305 89154	1.032508282	-2.807959849	Down	3.65 E-33	3.55 E-32
Gls2	3.1084 5406	0.73937 3445	-2.071822124	Down	3.64 E-10	1.45 E-09	3.1084 5406	0.446961198	-2.797975761	Down	1.48 E-14	7.40 E-14
Cacna 1i	0.5229 13982	0.09463 676	-2.466101063	Down	1.03 E-05	2.88 E-05	0.5229 13982	0.075189228	-2.797975761	Down	1.28 E-06	3.82 E-06
LOC3 10926	5018.6 63743	1110.83 6341	-2.175657005	Down	0	0	5018.6 63743	747.0127622	-2.748098491	Down	0	0
Fdps	164.40 63227	20.1362 6023	-3.029398112	Down	0	0	164.40 63227	26.01354026	-2.659931125	Down	1.48 E-29	1.43 E-29

												7	5
Il22ra	1.2213	0.16841			3.50	9.23	1.2213					4.95	0.00
1	67077	3346	-2.858418486	Down	E-05	E-05	67077	0.195132257	-2.645972667	Down	E-05	0128	632
													0.00
Pemt	2.9164	0.40214			3.50	9.23	2.9164					4.95	0128
	09773	1451	-2.858418486	Down	E-05	E-05	09773	0.465941512	-2.645972667	Down	E-05	605	
													0.00
9-Mar	4.1642	1.26190			3.03	8.94	4.1642					3.16	1.24
	2526	8492	-1.722440816	Down	E-06	E-06	2526	0.668393726	-2.639278015	Down	E-10	E-09	
													0.00
Pdk1	104.44	16.1879			1.71	1.31	104.44					5.50	4.01
	50395	7391	-2.68974964	Down	E-22	E-22	50395	17.04396956	-2.615410689	Down	E-23	E-22	
					9	7						1	9
Neurl	2.4521	0.48907			4.19	1.22	2.4521					4.91	1.52
1b	61728	6052	-2.325923405	Down	E-06	E-05	61728	0.402964164	-2.605330683	Down	E-07	E-06	
													0.00
Gmpp	57.022	10.8048			8.39	3.22	57.022					6.47	2.92
b	32399	5905	-2.399846587	Down	E-13	E-13	32399	9.413472331	-2.598727948	Down	E-15	E-15	
					4	2						3	1
Hes6	6.1044	0.96301			3.72	1.76	6.1044					2.88	1.34
	90547	152	-2.664245938	Down	E-13	E-12	90547	1.011653284	-2.593155969	Down	E-13	E-12	
													0.00
Bnip3	239.73	34.1708			0	0	239.73					0	0
	09061	3892	-2.810578341	Down			09061	39.79641584	-2.590705504	Down			
													0.00
Dapk3	71.240	8.59374			8.35	4.55	71.240					1.95	8.51
	50081	9534	-3.051338023	Down	E-17	E-17	50081	11.89402592	-2.582460534	Down	E-14	E-14	
					3	1						9	8
Emc9	2.9867	0.54507			0.00	0.00	2.9867					0.00	0.00
	25276	8648	-2.454028231	Down	0223	0540	25276	0.505244646	-2.563510507	Down	0108	0271	

					522	527						14	805
Gale	38.494	7.45247			1.14	2.12	38.494					3.68	7.80
	87305	1006	-2.36887555	Down	E-65	E-64	87305	6.612641933	-2.541367624	Down		E-74	E-73
Abtb1	8.3776	1.37046			9.04	6.42	8.3776					7.28	5.20
	15897	695	-2.611872203	Down	E-23	E-22	15897	1.445529834	-2.534941355	Down		E-23	E-22
Ficd	63.574	10.1861			3.26	1.71	63.574					5.76	2.88
	50269	2185	-2.641843391	Down	E-16	E-16	50269	11.02965328	-2.527060832	Down		E-16	E-16
Mok	2.9257	0.82518			7	5						5	3
	05342	3838	-1.825997008	Down	2.03	5.50	2.9257	0.509919952	-2.520441785	Down		8.36	2.78
Hist1h	28.889	6.80724			E-05	E-05	05342					E-08	E-07
2af	11253	1736	-2.085383637	Down	4.93	2.32	28.889	5.04781827	-2.516794008	Down		1.02	5.68
Sdf211	208.68	38.5530			E-13	E-12	11253					E-16	E-16
	27328	4389	-2.436394556	Down	6.74	6.50	208.68	37.2116481	-2.487485038	Down		7.34	6.97
Arse	39.216	6.70268			E-27	E-27	27328					E-29	E-29
Micb	6.4563	2.00309			4	2						2	0
	78042	6008	-2.548635821	Down	4.42	1.16	39.216	7.023230811	-2.481240335	Down		1.08	2.94
Ndufa	2.8956	0.56739			E-95	E-93	12775					E-95	E-94
412	20002	0456	-2.351458497	Down	2.50	8.06	6.4563	1.169040275	-2.465400422	Down		1.25	5.32
Eno2	20.095	3.90165			E-07	E-07	78042					E-11	E-11
Piga	25.372	5.99198			0.00	0.00	2.8956	0.525925923	-2.460940774	Down		6.36	0.00
	46617	7093	-2.082157333	Down	0140	0347	20002					E-05	0163
					677	872	20002						405
					1.78	2.72	20.095	3.765656491	-2.415888683	Down		4.99	8.28
					E-54	E-53	35396					E-58	E-57
					5.07	3.38	25.372	4.791769517	-2.404633333	Down		6.81	5.40
					E-21	E-20	46617					E-26	E-25

Hist1h 2bd	66.213 86889	16.5743 8623	-1.998177984	Down	9.71 E-26	7.64 E-25	66.213 86889	12.55017121	-2.399426384	Down	2.05 E-33	2.01 E-32
Mvd	14.680 48205	3.24950 2313	-2.175608662	Down	7.28 E-28	6.08 E-27	14.680 48205	2.814520536	-2.382938262	Down	3.01 E-32	2.84 E-31
Ppp1r 27	3.8250 92582	0.56511 3224	-2.758882812	Down	1.12 E-05	3.10 E-05	3.8250 92582	0.733341152	-2.382938262	Down	3.70 E-05	9.71 E-05
LOC3 65778	1.5356 81489	0.15881 5435	-3.273455985	Down	2.87 E-07	9.21 E-07	1.5356 81489	0.294418608	-2.382938262	Down	1.02 E-05	2.82 E-05
Engas e	9.7206 73331	1.65927 5871	-2.550502481	Down	6.39 E-52	9.39 E-51	9.7206 73331	1.870561271	-2.377585027	Down	1.27 E-49	1.78 E-48
Ddit4	45.462 31125	10.5397 8726	-2.108825283	Down	7.50 E-82	1.71 E-80	45.462 31125	8.763857718	-2.375033064	Down	1.00 E-98	2.80 E-97
Fbxo4 1	3.6418 20471	0.34181 167	-3.413386246	Down	5.60 E-32	5.24 E-31	3.6418 20471	0.704071756	-2.370865429	Down	8.53 E-23	6.06 E-22
Bhlhe 40	76.816 92961	14.3370 3666	-2.421677438	Down	7.43 E-22	5.50 E-22	76.816 92961	14.85478801	-2.370496283	Down	1.77 E-22	1.26 E-22
Rps28	830.06 60452	208.337 7418	-1.994301914	Down	4 E-26	2 E-26	830.06 60452	160.9271267	-2.366818596	Down	6 0	4 0
Crlf1	5.0834 15689	0.90885 6556	-2.483673693	Down	1.10 E-12	1.03 E-11	5.0834 15689	0.991103407	-2.358690715	Down	5.50 E-12	2.39 E-11
Aldoa	2305.2 07543	545.129 2998	-2.080226276	Down	7 0	5 0	2305.2 07543	453.6446624	-2.345262056	Down	0 0	0 0
P4hal	297.51 47795	55.3195 0047	-2.427101304	Down	1.10 0	1.03 0	297.51 47795	59.76451582	-2.315600271	Down	0 0	0 0

Tpgs1	11.090	2.40858	-2.203066657	Down	2.51	1.62	11.090	2.232563997	-2.312548934	Down	2.59	1.80
	48432	161			E-20	E-19	48432				E-22	E-21
Fbx16	18.745	3.98195	-2.234981837	Down	6.84	7.23	18.745	3.788088064	-2.306989408	Down	8.87	1.01
	32948	6447			E-37	E-36	32948				E-40	E-38
Pold4	21.360	6.57412	-1.700081459	Down	3.05	1.59	21.360	4.324557745	-2.304328427	Down	4.42	3.20
	61128	8107			E-15	E-14	61128				E-23	E-22
Abi3	11.100	1.90748	-2.540936296	Down	7.90	6.23	11.100	2.2592211	-2.296781618	Down	7.57	5.61
	91803	3781			E-26	E-25	91803				E-24	E-23
Abhd1 7a	45.190	9.49062	-2.251429679	Down	1.83	3.83	45.190	9.196919067	-2.296781618	Down	3.12	7.03
	01913	1616			E-74	E-73	01913				E-79	E-78
Ndrg1	220.21	37.2078	-2.565255975	Down	0	0	220.21	45.09403335	-2.287927305	Down	0	0
	85144	7208			85144	0	0					
Purg	6.6075	1.83035	-1.851992217	Down	2.03	7.14	6.6075	1.357274617	-2.283402588	Down	4.76	1.96
	4909	4408			E-08	E-08	4909				E-11	E-10
Unc13 a	59.165	8.26033	-2.840496578	Down	0	0	59.165	12.26768947	-2.269904596	Down	0	0
	99124	1419			99124	0	0					
Alkbh 7	14.066	3.77935	-1.896088904	Down	5.98	2.94	14.066	2.919304587	-2.268605586	Down	6.27	3.70
	8786	8631			E-14	E-13	8786				E-18	E-17
Hk2	116.22	27.6385	-2.072121053	Down	0	0	116.22	24.54941042	-2.243115292	Down	0	0
	13868	6316			13868	0	0					
Tmem 45a	5.9386	1.36058	-2.125898797	Down	3.19	1.36	5.9386	1.261152308	-2.235381073	Down	2.69	1.19
	03005	2836			E-11	E-10	03005				E-12	E-11
LOC4 99602	8.0724	1.10045	-2.874906609	Down	6.39	5.68	8.0724	1.723507738	-2.227660036	Down	2.54	1.85
	56782	5802			E-30	E-29	56782				E-23	E-22
Ydjc	3.9920	0.56618	-2.817776501	Down	8.41	3.05	3.9920	0.852820884	-2.22681906	Down	3.16	9.99
	60909	963			E-09	E-08	60909				E-07	E-07

Adat3	5.3499 444	1.82255 2021	-1.553563904	Down	2.42 E-06	7.22 E-06	5.3499 444	1.14635216	-2.222473589	Down	6.86 E-10	2.63 E-09
Gas8	5.3801 63306	1.30140 9857	-2.047574578	Down	6.94 E-10	2.70 E-09	5.3801 63306	1.153855667	-2.221187192	Down	3.26 E-11	1.35 E-10
Myl6b	22.180 96865	6.73829 3789	-1.718867133	Down	3.21 E-12	1.45 E-11	22.180 96865	4.784065707	-2.21301326	Down	3.00 E-17	1.72 E-16
Gbe1	64.727 40572	11.0599 5867	-2.549030688	Down	2.83 E-23	2.25 E-23	64.727 40572	14.17664199	-2.190860839	Down	4.96 E-20	3.23 E-20
Slc2a1	480.74 35466	108.050 7918	-2.153557846	Down	8 0	6 0	480.74 35466	105.3648588	-2.18987371	Down	5 0	3 0
Scd2	394.77 25773	47.9982 0414	-3.039969444	Down	0 0	0 0	394.77 25773	86.6549639	-2.187667478	Down	0 0	0 0
Crocc	1.9593 24758	0.39583 01	-2.307403317	Down	8.17 E-16	4.37 E-15	1.9593 24758	0.432421496	-2.179846396	Down	2.46 E-15	1.28 E-14
Ctif	11.255 93677	3.61688 2707	-1.637867411	Down	3.69 E-13	1.75 E-12	11.255 93677	2.485521006	-2.179065928	Down	1.67 E-19	1.05 E-18
Pgk1	2620.1 20237	579.287 2446	-2.177282215	Down	0 0	0 0	2620.1 20237	581.4461374	-2.17191556	Down	0 0	0 0
Scand 1	14.071 23297	6.28647 8856	-1.162424673	Down	5.10 E-06	1.47 E-05	14.071 23297	3.129350784	-2.168813456	Down	1.75 E-13	8.27 E-13
Xrcc1	28.535 55846	8.18865 3629	-1.801062628	Down	1.56 E-50	2.24 E-49	28.535 55846	6.43778842	-2.148123729	Down	3.13 E-66	5.79 E-65
Pfkip	30.009 79967	7.49508 5923	-2.001416766	Down	3.39 E-78	7.32 E-77	30.009 79967	6.823841367	-2.136777674	Down	2.23 E-88	5.65 E-87
Lama	101.59	24.3304	-2.061960084	Down	0	0	101.59	23.19571157	-2.130865329	Down	0	0

5	26013	5581					26013						
Bola1	7.7161	1.79546	-2.103530984	Down	2.40	7.76	7.7161	1.775205888	-2.119903856	Down	1.18	3.89	
	98266	7116			E-07	E-07	98266				E-07	E-07	
Rmrp	3554.8	1082.58	-1.715293544	Down	0	0	3554.8	819.1828309	-2.11752289	Down	0	0	
	29273	9822					29273						
Ccdc1	10.330	2.96935	-1.798676402	Down	1.05	6.03	10.330	2.40284954	-2.104078889	Down	2.31	1.62	
81	40709	3385			E-17	E-17	40709				E-22	E-21	
Tmem	18.206	2.92745	-2.636710942	Down	3.93	6.66	18.206	4.244225146	-2.1008581	Down	2.19	2.93	
106a	21717	7747			E-60	E-59	21717				E-47	E-46	
					1.11	3.59					1.96	6.00	
Sept5	27.385	5.59929	-2.29008666	Down	E-11	E-11	27.385	6.386082675	-2.100400744	Down	E-10	E-10	
	34166	5482			5	4	34166				7	6	
Aldoc	13.635	1.69212	-3.010421579	Down	2.07	2.10	13.635	3.189209028	-2.096057114	Down	2.20	1.66	
	12265	2709			E-35	E-34	12265				E-24	E-23	
Rpl27	516.25	138.613	-1.897021003	Down	0	0	516.25	120.9763135	-2.093362563	Down	0	0	
a	61871	3454					61871						
Mpst	13.323	5.13698	-1.374994012	Down	1.03	3.98	13.323	3.124785792	-2.092158865	Down	3.40	1.94	
	63803	6023			E-09	E-09	63803				E-17	E-16	
Hspa5	5161.4	1358.46	-1.925794671	Down	0	0	5161.4	1211.393173	-2.091103928	Down	0	0	
	31028	4103					31028						
Hist1h	140.29	37.0382	-1.921349742	Down	1.76	2.47	140.29	33.01947526	-2.087048028	Down	3.38	5.52	
2bl	24262	383			E-49	E-48	24262				E-57	E-56	
Kctd1	12.817	3.37908	-1.923398517	Down	1.01	8.19	12.817	3.055749507	-2.068504703	Down	2.17	1.95	
1	39334	4599			E-26	E-26	39334				E-30	E-29	
Rilpl2	10.480	2.62889	-1.995154823	Down	1.94	9.79	10.480	2.500902205	-2.067162394	Down	1.35	7.11	
	32127	4442			E-14	E-14	32127				E-15	E-15	

Nucb2	92.876	22.9968	-2.013877138	Down	1.01	4.42	92.876	22.49197936	-2.045903274	Down	2.29	1.05
	5191	5803			E-14	E-14					5191	E-15
					5	4					4	2
Rps21	374.49	130.014	-1.5262562	Down	5.99	1.44	374.49	90.80403234	-2.044099028	Down	6.37	2.40
	00268	3709			E-85	E-83	00268				E-13	E-13
											3	1
Keap1	15.953	4.68153	-1.768781273	Down	3.75	4.51	15.953	3.868876526	-2.043849616	Down	4.99	7.58
	0935	9494			E-42	E-41	0935				E-53	E-52
Arl10	16.518	5.58054	-1.565636737	Down	2.98	1.19	16.518	4.011500534	-2.041901344	Down	8.92	4.55
	87273	7216			E-10	E-09	87273				E-15	E-14
RT1-CE16	36.422	9.28539	-1.971800285	Down	2.50	2.61	36.422	8.850417126	-2.041018692	Down	2.27	2.57
	65395	8698			E-36	E-35	65395				E-39	E-38
Ak4	39.059	13.4355	-1.539630099	Down	5.86	3.59	39.059	9.523376492	-2.036135498	Down	1.79	1.53
	69196	0429			E-19	E-18	69196				E-28	E-27
Srebfl	25.150	3.38200	-2.894654635	Down	1.12	5.84	25.150	6.15638928	-2.030448189	Down	1.55	4.95
	80457	3171			E-16	E-16	80457				E-11	E-11
					6	5					2	1
Ggct	31.726	8.51311	-1.89794685	Down	3.06	2.38	31.726	7.792343567	-2.025576473	Down	1.98	1.69
	88025	377			E-25	E-24	88025				E-28	E-27
Klc4	13.436	4.30762	-1.64118777	Down	1.68	1.35	13.436	3.316625044	-2.018365829	Down	3.24	3.42
	46523	8935			E-26	E-25	46523				E-36	E-35
Kdm4b	35.804	9.67026	-1.888498809	Down	7.06	3.17	35.804	8.838325528	-2.018280647	Down	9.61	4.84
	12031	1523			E-14	E-14	12031				E-16	E-16
					7	5					7	5
Zbed5	5.4896	1.29083	-2.088424091	Down	2.11	1.11	5.4896	1.362677519	-2.010279365	Down	3.21	1.66
	85689	0399			E-15	E-14	85689				E-15	E-14



Mypo	2.8496	0.81241	-1.810484009	Down	7.26	2.05	2.8496	0.708750475	-2.007429127	Down	9.02	2.73
p	38333	84			E-06	E-05	38333				E-07	E-06
Foxo4	6.4145	1.72195	-1.897307499	Down	1.32	8.32	6.4145	1.596118859	-2.006789776	Down	8.55	5.87
	93597	849			E-19	E-19	93597				E-22	E-21
Hspa1	3.3026	0.52739	-2.646673309	Down	3.43	2.90	3.3026	0.824066142	-2.002795553	Down	5.03	3.34
b	58028	4447			E-28	E-27	58028				E-21	E-20
Mgarp	2.9791	0.29577	-3.332349674	Down	1.26	4.18	2.9791	0.75392891	-1.982400332	Down	6.28	0.00
	49932	0702			E-07	E-07	49932				E-05	0161
												704
Mlf1	3.2309	0.80193	-2.010421579	Down	7.57	0.00	3.2309	0.817660311	-1.982400332	Down	6.28	0.00
	84548	2255			E-05	0192	84548				E-05	0161
						374						67
Gpi	522.12	124.198	-2.071744972	Down	0	0	522.12	132.3595471	-1.979928859	Down	0	0
	35095	3621					35095					
Slc6a8	36.745	9.27054	-1.986834759	Down	3.72	1.48	36.745	9.332017032	-1.97729946	Down	2.65	1.08
	31466	1702			E-13	E-13	31466				E-14	E-13
					7	5					1	9
Med1	8.1742	2.83094	-1.529795738	Down	1.87	5.08	8.1742	2.077384205	-1.976313002	Down	1.61	5.22
1	19956	8151			E-05	E-05	19956				E-07	E-07
Asmtl	23.630	6.08463	-1.957428492	Down	3.35	2.25	23.630	6.0098116	-1.975280293	Down	3.34	2.32
	85719	8558			E-21	E-20	85719				E-22	E-21
Kifc2	1.2232	0.28113	-2.121452892	Down	2.03	5.48	1.2232	0.312703748	-1.967900762	Down	3.49	9.21
	92309	1358			E-05	E-05	92309				E-05	E-05
Ift122	9.9113	2.60706	-1.926653222	Down	1.39	1.50	9.9113	2.540464011	-1.963985712	Down	6.21	7.12
	23635	1322			E-37	E-36	23635				E-40	E-39
Gemin	18.121	4.15169	-2.125898797	Down	5.74	3.81	18.121	4.650014938	-1.962362579	Down	1.18	7.49

7	09122	1177			E-21	E-20	09122					E-19	E-19
Slc37a	18.111	4.24642			8.36	9.50	18.111					6.41	7.05
4	1681	2226	-2.092559866	Down	E-40	E-39	1681	4.651750278	-1.961034043	Down		E-38	E-37
Tkt	593.14	138.430			0	0	593.14					0	0
	89231	9171	-2.099228181	Down			89231	152.611645	-1.95852932	Down			
Lysm	5.2790	1.93952			5.10	1.75	5.2790					4.36	1.90
d1	13362	1026	-1.444567902	Down	E-08	E-07	13362	1.358324225	-1.958440433	Down		E-12	E-11
Dhcr7	4.0986	1.10857			1.97	8.48	4.0986					2.47	1.09
	13174	2384	-1.886432862	Down	E-11	E-11	13174	1.057780931	-1.954094963	Down		E-12	E-11
Ldha	1204.0	338.563			0	0	1204.0					0	0
	33549	1518	-1.830378724	Down			33549	311.5969572	-1.950122542	Down			
Grip2	1.1101	0.18944			5.73	2.10	1.1101					5.51	1.70
	90751	0621	-2.550989961	Down	E-09	E-08	90751	0.287339597	-1.949978854	Down		E-07	E-06
Ccdc1	13.435	3.76708			4.83	2.82	13.435					4.15	2.68
04	88367	2321	-1.834571744	Down	E-18	E-17	88367	3.491786339	-1.94405402	Down		E-20	E-19
Katnb	17.453	6.88748			7.65	4.87	17.453					2.42	2.42
1	09556	9708	-1.341432779	Down	E-20	E-19	09556	4.536111082	-1.943955067	Down		E-34	E-33
Metrn1	15.874	5.64730			4.55	2.35	15.874					4.25	2.95
	17445	3785	-1.49104742	Down	E-15	E-14	17445	4.138987955	-1.93933161	Down		E-22	E-21
Pdcd4	22.015	6.13472			4.27	3.59	22.015					4.45	4.08
	79122	4875	-1.843468144	Down	E-28	E-27	79122	5.745025793	-1.938153419	Down		E-31	E-30
Ostf1	180.62	46.7178			5.82	3.70	180.62					7.49	4.85
	37251	9094	-1.950940354	Down	E-19	E-19	37251	47.25330733	-1.934500191	Down		E-20	E-19
					6	4						1	9
Rn45s	1665.8	582.692			0	0	1665.8					0	0
	33075	6784	-1.515436755	Down			33075	435.9422853	-1.93403479	Down			

Lfng	12.204	3.68932	-1.72596819	Down	5.10	3.14	12.204	3.194730384	-1.93363086	Down	7.86	5.60
	36258	4917			E-19	E-18	36258				E-23	E-22
Snurf	3.6197	0.72845	-2.312984349	Down	1.31	4.32	3.6197	0.956559844	-1.919966285	Down	1.89	5.59
	58428	3643			E-07	E-07	58428				E-06	E-06
Glyctk	5.5246	1.89445	-1.544103575	Down	1.01	3.63	5.5246	1.463343877	-1.916620257	Down	8.94	3.84
	73063	8474			E-08	E-08	73063				E-12	E-11
Fau	524.72	178.004	-1.559648112	Down	1.26	7.45	524.72	139.0448934	-1.916007778	Down	6.33	4.97
	39129	0945			E-18	E-18	39129				E-25	E-25
Tspo	108.98	32.3789	-1.750977614	Down	1	0	108.98	29.12711328	-1.903671958	Down	3	1
	32628	6947			E-74	E-72	32628				E-49	E-10
Bcl2l1 2	6.0305	2.79330	-1.110320149	Down	5.55	1.16	6.0305	1.612124585	-1.903328761	Down	4.49	1.10
	60096	2563			E-05	E-05	60096				E-86	E-84
Manf	524.42	210.939	-1.313913139	Down	1.91	5.18	6.0305	140.2180664	-1.903067391	Down	5.29	2.17
	61541	0939			E-05	E-05	60096				E-11	E-10
Ifi2712 b	320.88	107.761	-1.574229033	Down	6.70	3.05	524.42	85.95701404	-1.900379616	Down	8.92	7.85
	73438	2026			E-14	E-14	61541				E-26	E-26
Psmb9	7.0833	2.73482	-1.372991659	Down	9	7	320.88	1.90122509	-1.897511434	Down	7	5
	93945	6143			E-99	E-98	73438				E-13	E-13
Ier5l	8.1398	3.64780	-1.157978768	Down	2.34	6.48	320.88	2.18479359	-1.897511434	Down	1.28	4.97
	8505	7639			E-05	0.00	7.0833				E-07	E-07
Pdia4	634.97	210.766	-1.591043242	Down	5.51	0.00	7.0833	172.3022375	-1.88174718	Down	1.86	6.01
	00813	4703			E-05	0142	93945				E-07	E-07
					6.39	2.00	8.1398				1.67	7.90
					E-07	E-06	8505				E-13	E-13
					0	0	634.97				0	0
							00813					

Ttll3	3.5853 85265	0.71067 9811	-2.33485653	Down	1.18 E-13	5.69 E-13	3.5853 85265	0.973795156	-1.880437921	Down	5.64 E-11	2.31 E-10
Mrpl4	35.372 6916	12.5421 7535	-1.495848406	Down	2.11 E-17	1.21 E-16	35.372 6916	9.649248953	-1.874147441	Down	2.13 E-24	1.61 E-23
Cep13	13.573 00709	3.29451 591	-2.042601985	Down	1.44 E-49	2.03 E-48	13.573 00709	3.719611087	-1.867516694	Down	1.35 E-45	1.72 E-44
Nudt1	18.844 36821	4.43304 4528	-2.087763668	Down	4.46 E-28	3.74 E-27	18.844 36821	5.181014483	-1.862826905	Down	4.15 E-25	3.20 E-24
Numb	5.5394 7214	1.16188 7515	-2.253278103	Down	5.84 E-13	2.74 E-12	5.5394 7214	1.525718144	-1.860260039	Down	1.06 E-10	4.27 E-10
Edem	42.124 44837	11.4741 82	-1.876266487	Down	1.97 E-70	3.93 E-69	42.124 44837	11.60654584	-1.859719111	Down	4.26 E-72	8.80 E-71
Zfp44	11.776 71266	2.91110 491	-2.016298146	Down	1.14 E-18	6.88 E-18	11.776 71266	3.249049584	-1.857847217	Down	2.01 E-17	1.16 E-16
Erola	280.77 9469	75.9273 2712	-1.886746321	Down	0	0	280.77 9469	77.71117297	-1.853243505	Down	0	0
Vldlr	8.1173 07344	3.00120 2714	-1.435460471	Down	5.78 E-18	3.36 E-17	8.1173 07344	2.249691615	-1.851273987	Down	2.61 E-26	2.10 E-25
Cptp	28.116 41074	8.67793 9389	-1.695988021	Down	1.46 E-43	1.83 E-42	28.116 41074	7.79239356	-1.851273987	Down	6.48 E-51	9.40 E-50
Fam1	5.8370 65148	1.81095 373	-1.688493484	Down	5.37 E-15	2.77 E-14	5.8370 65148	1.624461661	-1.845281476	Down	2.12 E-17	1.23 E-16
Mvk	10.688 0254	2.90489 7319	-1.879436267	Down	7.69 E-17	4.31 E-16	10.688 0254	2.99743296	-1.834195949	Down	6.95 E-17	3.90 E-16
Cd99	144.91 38103	49.5746 755	-1.547519857	Down	7.33 E-59	1.21 E-57	144.91 38103	40.70804195	-1.831809356	Down	1.71 E-77	3.76 E-76



Slc39a3	13.410 5088	4.78307 5145	-1.487353612	Down	6.05 E-13	2.83 E-12	13.410 5088	3.886931335	-1.786660448	Down	4.70 E-17	2.66 E-16
Fam110a	34.136 01757	8.46290 7635	-2.012069432	Down	4.24 E-62	7.38 E-61	34.136 01757	9.90641179	-1.784860261	Down	1.06 E-54	1.66 E-53
Hmox1	308.50 27535	91.4791 2686	-1.753768865	Down	0	0	308.50 27535	89.5995895	-1.783719338	Down	0	0
Ndufb7	76.808 14396	27.5661 5992	-1.47836098	Down	4.68 E-27	3.81 E-26	76.808 14396	22.31920578	-1.782973598	Down	2.14 E-36	2.27 E-35
Calr	2387.6 59121	770.872 4942	-1.631032726	Down	0	0	2387.6 59121	695.3024574	-1.779884289	Down	0	0
Fam162a	204.73 25092	60.9444 62	-1.748173169	Down	2.86 E-88	7.09 E-87	204.73 25092	59.72311616	-1.777378856	Down	1.35 E-93	3.59 E-92
Cbarp	5.9370 45338	1.81273 4996	-1.711577098	Down	1.74 E-15	9.14 E-15	5.9370 45338	1.734463458	-1.775255684	Down	8.61 E-17	4.81 E-16
Insig2	29.341 64768	6.81196 8987	-2.106806116	Down	3.03 E-23	2.19 E-22	29.341 64768	8.61021085	-1.768829415	Down	3.08 E-19	1.91 E-18
Zfp653	6.1353 62287	2.85525 0954	-1.103530984	Down	1.30 E-06	3.97 E-06	6.1353 62287	1.802750411	-1.766948865	Down	1.36 E-12	6.12 E-12
Nosip	8.9696 79157	2.96837 2818	-1.59538408	Down	1.68 E-10	6.81 E-10	8.9696 79157	2.636802435	-1.766266901	Down	2.41 E-12	1.07 E-11
Gprc5c	13.465 95021	3.16938 137	-2.087042861	Down	6.67 E-27	5.41 E-26	13.465 95021	3.961531584	-1.765185826	Down	2.04 E-22	1.43 E-21
Gys1	94.420 73078	27.3492 1408	-1.787604274	Down	2.29 E-28	2.38 E-28	94.420 73078	27.85873261	-1.760974023	Down	1.91 E-28	1.78 E-28
Zfp39	29.733	8.26258	-1.847447368	Down	4	2	29.733	8.790166297	-1.75814978	Down	8	6
	29.733	8.26258	-1.847447368	Down	6.50	1.77	29.733	8.790166297	-1.75814978	Down	1.20	3.25

5	97091	3073			E-98	E-96	97091				E-94	E-93
	33.137	9.38108			5.69	7.63	33.137				2.71	3.54
Itpk1	76798	6899	-1.820649443	Down	E-47	E-46	76798	9.807741093	-1.756483632	Down	E-46	E-45
	3.9390	0.96285			4.56	1.32	3.9390				2.38	6.39
Hdhd3	10265	1551	-2.032447886	Down	E-06	E-05	10265	1.167098348	-1.754907039	Down	E-05	E-05
	7.7106	3.69865			6.93	2.52	7.7106				3.17	1.90
Ppp1r	92988	3149	-1.059860512	Down	E-09	E-08	92988	2.296056227	-1.747702554	Down	E-18	E-17
16a	76.821	24.6446			2.21	3.87	76.821				2.92	5.85
Upp1	76847	9044	-1.640238316	Down	E-62	E-61	76847	22.99395945	-1.740260263	Down	E-70	E-69
	4.8080	1.89568			2.86	1.56	4.8080				4.43	3.31
Zfp31	02265	4569	-1.342718648	Down	E-16	E-15	02265	1.440286185	-1.739082072	Down	E-24	E-23
6	395.33	135.228					395.33					
Hyou1	45686	2703	-1.547677324	Down	0	0	45686	119.0785806	-1.731160182	Down	0	0
	5.7020	2.26715			2.68	1.00	5.7020				1.53	7.26
Hook2	65427	7629	-1.330599892	Down	E-09	E-08	65427	1.719388792	-1.729588786	Down	E-13	E-13
	80.065	24.9064			2.51	2.05	80.065				5.89	4.97
Slc4a2	79007	7647	-1.684665012	Down	E-24	E-24	79007	24.28958963	-1.720847834	Down	E-26	E-25
	4.6566	2.02594			3	1					0	8
Zbtb4	60993	6693	-1.200699643	Down	E-07	E-06	60993	1.416115125	-1.717357301	Down	E-11	E-11
9	752.56	227.793			4.64	1.47	4.6566				1.45	6.17
Sparc	93926	6591	-1.724097027	Down	0	0	93926	229.1122365	-1.715770103	Down	0	0
	17.005	6.81890			2.98	2.51	17.005				1.72	2.09
Narf	07422	8729	-1.318352523	Down	E-28	E-27	07422	5.203586887	-1.708386967	Down	E-42	E-41
	7.5484	2.18983			1.44	5.86	7.5484				2.52	9.94
Grasp	2622	3017	-1.785355024	Down	E-10	E-10	2622	2.311718275	-1.707210297	Down	E-10	E-10

Tmem51	5.4405 07787	2.06057 9517	-1.400691173	Down	8.56 E-08	2.86 E-07	5.4405 07787	1.666164696	-1.707210297	Down	2.52 E-10	9.93 E-10
Klhl40	13.920 12747	2.16922 4976	-2.681920831	Down	4.63 E-45	5.97 E-44	13.920 12747	4.277305983	-1.702398101	Down	1.87 E-26	1.51 E-25
Lsm5	22.930 27936	6.61780 0871	-1.792830144	Down	1.07 E-11	4.67 E-11	22.930 27936	7.054302619	-1.70067856	Down	2.63 E-11	1.10 E-10
Emilin1	4.3084 28614	1.53429 1242	-1.489589416	Down	6.94 E-12	3.07 E-11	4.3084 28614	1.335974322	-1.689269501	Down	1.72 E-14	8.59 E-14
Gstm4	9.4087 59728	2.28947 0263	-2.038990732	Down	5.88 E-16	3.17 E-15	9.4087 59728	2.917966193	-1.689041389	Down	5.08 E-13	2.34 E-12
Lox	6.1189 23611	2.64776 9153	-1.208500543	Down	2.17 E-06	6.52 E-06	6.1189 23611	1.89858767	-1.68835127	Down	4.55 E-10	1.77 E-09
Pdia5	22.604 87302	7.83223 5713	-1.529137725	Down	3.51 E-27	2.87 E-26	22.604 87302	7.022610549	-1.686554478	Down	2.95 E-32	2.78 E-31
Acvr2b	2.9541 25072	0.99083 1853	-1.576018755	Down	4.92 E-05	0.00 0127 634	2.9541 25072	0.918422491	-1.685501032	Down	1.38 E-05	3.79 E-05
Tasp1	7.3125 60169	3.28733 9324	-1.153456209	Down	2.24 E-07	7.25 E-07	7.3125 60169	2.274597757	-1.68476515	Down	1.58 E-12	7.08 E-12
Wnt4	7.2751 58303	3.03416 559	-1.261678817	Down	1.12 E-05	3.10 E-05	7.2751 58303	2.263663732	-1.684318979	Down	2.46 E-08	8.55 E-08
Mtmr14	29.273 10928	8.39371 8632	-1.802193984	Down	1.08 E-65	2.01 E-64	29.273 10928	9.118524503	-1.68270369	Down	8.91 E-62	1.56 E-60
Acsbg1	9.4951 14636	3.19551 5941	-1.571136534	Down	8.19 E-19	4.97 E-18	9.4951 14636	2.961989668	-1.68061881	Down	2.56 E-21	1.73 E-20
Coq6	20.424	7.79895	-1.388933203	Down	1.66	1.12	20.424	6.372943175	-1.680253802	Down	4.30	3.73



	284	2672			E-21	E-20	284				E-29	E-28
Rps14	113.33	52.3811	-1.113480644	Down	1.50	1.09	113.33	35.44886809	-1.676789414	Down	1.36	1.72
	55829	7172			E-23	E-22	55829				E-44	E-43
					3.85	2.13					3.58	2.11
Ptrf	173.94	56.3344	-1.626522592	Down	E-17	E-17	173.94	54.47240932	-1.675014238	Down	E-18	E-18
	26625	4561					26625				7	5
					3	1						
Alas1	14.446	5.30251	-1.445923181	Down	7.25	4.61	14.446	4.52493195	-1.674704386	Down	3.35	2.59
	02315	6852			E-20	E-19	02315				E-25	E-24
Ero1b	19.141	5.39286	-1.827557522	Down	5.07	3.78	19.141	6.010410684	-1.671145739	Down	4.88	3.37
	19917	4511			E-24	E-23	19917				E-22	E-21
Cope	90.235	34.0485	-1.406093754	Down	4.55	5.78	90.235	28.45439862	-1.665036929	Down	2.42	4.03
	09312	8548			E-44	E-43	09312				E-58	E-57
Exoc3	1.7742	0.63924	-1.472764793	Down	0.00	0.00	1.7742				8.03	0.00
11	49293	6357			0411	0965	49293	0.55961227	-1.66470923	Down	E-05	0204
					242	469						623
Rap1g	1.3508	0.27039	-2.3207617	Down	1.32	4.02	1.3508	0.42607229	-1.66470923	Down	8.03	0.00
ap	6112	0742			E-06	E-06	6112				E-05	0204
												581
RGD1	14.952	4.76802	-1.64896512	Down	1.23	6.78	14.952	4.718196466	-1.664120014	Down	2.09	1.21
35963	92178	0332			E-16	E-16	92178				E-17	E-16
4												
Fkbp1	59.613	15.9418	-1.902812605	Down	1.19	1.35	59.613	18.81739936	-1.663566727	Down	3.68	3.66
1	28943	7562			E-39	E-38	28943				E-34	E-33
Galk1	44.286	12.3928	-1.83735687	Down	2.52	3.66	44.286	13.98443913	-1.663046181	Down	2.95	3.83
	54881	8178			E-51	E-50	54881				E-46	E-45
Gpr15	21.904	7.31881	-1.581578281	Down	3.96	4.66	21.904	6.971535321	-1.65171189	Down	2.86	3.64

3	99987	4706			E-41	E-40	99987				E-45	E-44
LOC4	6.4202	1.22577			8.75	4.06	6.4202				1.42	5.02
97940	21667	1364	-2.388933203	Down	E-13	E-12	21667	2.04514699	-1.650418572	Down	E-08	E-08
Ift43	11.200	3.52850			2.08	7.31	11.200				1.42	5.02
	74643	1921	-1.666467178	Down	E-08	E-08	74643	3.567972266	-1.650418572	Down	E-08	E-08
Pink1	27.338	12.6836			8.12	3.96	27.338				3.56	2.75
	30193	8523	-1.107949655	Down	E-14	E-13	30193	8.727417909	-1.647296848	Down	E-25	E-24
Klhl8	18.985	5.66369			1.03	1.41	18.985				1.80	2.36
	42527	4299	-1.745077013	Down	E-48	E-47	42527	6.063513364	-1.646666438	Down	E-46	E-45
Zfyve	22.343	8.61510			7.07	4.68	22.343				7.67	6.46
19	2814	2289	-1.374901249	Down	E-21	E-20	2814	7.13936869	-1.645972667	Down	E-28	E-27
Fcna	3.0795	0.63696			8.42	2.36	3.0795				0.00	0.00
	89844	3334	-2.273455985	Down	E-06	E-05	89844	0.984024097	-1.645972667	Down	0261	0631
Stk36	2.2566	0.97487			1.32	4.03	2.2566				382	682
	9275	9283	-1.210914519	Down	E-06	E-06	9275	0.722908579	-1.64232489	Down	4.72	1.83
Fam1	6.8435	1.96785			2.60	7.73	6.8435				E-10	E-09
73a	32986	4202	-1.798117976	Down	E-06	E-06	32986	2.208054072	-1.631965809	Down	7.88	2.21
Trabd	63.133	22.5448			2.89	7.64	63.133				E-06	E-05
	51895	349	-1.485609222	Down	E-95	E-94	51895	20.41449742	-1.628812116	Down	5.70	1.84
Tmem	35.165	12.1980			1.92	1.64	35.165				E-11	E-11
263	40994	9137	-1.527501608	Down	E-28	E-27	40994	11.37689033	-1.628050759	Down	3	1
Sgtb	13.418	3.37875			2.05	1.33	13.418				3.46	3.26
	51055	0025	-1.989663019	Down	E-20	E-19	51055	4.362196133	-1.621097999	Down	E-32	E-31
Fam2	37.882	12.3593			2.28	3.98	37.882	12.32619659	-1.619806005	Down	3.62	1.96
			-1.615933917	Down							E-16	E-15
											8.94	1.61

14b	55694	2364			E-62	E-61	55694				E-65	E-63
Unc45	10.489	3.74197			1.04	7.60	10.489				1.39	1.16
b	77707	1359	-1.487113597	Down	E-23	E-23	77707	3.41965821	-1.617059976	Down	E-27	E-26
Apc2	5.5724	1.93333			3.09	3.22	5.5724				2.13	2.46
	07722	0444	-1.527212577	Down	E-36	E-35	07722	1.826506267	-1.609214117	Down	E-40	E-39
Dhodh	10.057	3.49934			1.72	7.43	10.057				9.53	4.32
	17372	0749	-1.523069875	Down	E-11	E-11	17372	3.297671337	-1.60870541	Down	E-13	E-12
Rpl14	615.80	228.790			8.09	7.13	615.80					
	32727	8243	-1.428440341	Down	E-25	E-25	32727	202.258182	-1.606271469	Down	0	0
					8	6						
Thop1	28.574	8.12035			1.36	2.22	28.574				5.10	7.42
	75177	1274	-1.815126923	Down	E-58	E-57	75177	9.391387875	-1.605330683	Down	E-51	E-50
Kif26	8.0822	2.59238			2.84	2.87	8.0822				2.54	2.61
a	13641	2352	-1.64047197	Down	E-35	E-34	13641	2.660389772	-1.603112858	Down	E-35	E-34
Ssc5d	4.6359	1.40854			1.09	6.29	4.6359				1.18	6.58
	417	6282	-1.718655455	Down	E-17	E-17	417	1.526277198	-1.60284542	Down	E-16	E-16
Slc35a	23.976	8.26022			4.10	3.94	23.976				2.74	2.90
2	22239	172	-1.537351959	Down	E-33	E-32	22239	7.903556095	-1.601030546	Down	E-36	E-35
Fdxr	89.640	21.2202			6.73	3.38	89.640				2.68	8.88
	31953	2305	-2.078707971	Down	E-16	E-16	31953	29.57361559	-1.599837157	Down	E-11	E-11
					2	0					6	5
Selm	50.722	21.9002			3.54	2.00	50.722				3.98	3.19
	65625	9816	-1.211679788	Down	E-17	E-16	65625	16.89627259	-1.585925284	Down	E-26	E-25
Frg1	16.915	5.20787			6.80	3.66	16.915				6.01	3.09
	14757	6315	-1.699548673	Down	E-16	E-15	14757	5.64421369	-1.583471249	Down	E-15	E-14
Zfp21	3.7110	1.52276			6.99	1.98	3.7110	1.239353965	-1.58224707	Down	7.95	2.65

3	70366	9486			E-06	E-05	70366				E-08	E-07
					6.30	3.06					2.51	1.15
Prdm1	42.064	13.3788	-1.652636562	Down	E-15	E-15	42.064	14.05138344	-1.581875563	Down	E-15	E-15
	04943	2281			9	7	04943				4	2
RT1-S	3.5901	1.32997	-1.43265458	Down	3.72	1.19	3.5901	1.20196232	-1.578662733	Down	2.54	8.79
3	75582	5641			E-07	E-06	75582				E-08	E-08
LOC1												
02723	6631.5	2961.85	-1.162837186	Down	0	0	6631.5	2233.425342	-1.570081729	Down	0	0
236	20792	8199					20792					
Dhcr2	8.0613	2.41479	-1.739119557	Down	2.24	9.61	8.0613	2.71796211	-1.568493915	Down	2.68	1.06
4	37696	3297			E-11	E-11	37696				E-10	E-09
Hist1h	233.17	72.8660	-1.678087602	Down	9.03	2.59	233.17	78.63607332	-1.568142915	Down	2.83	7.83
2an	38664	4044			E-10	E-10	38664				E-98	E-97
					5	3						
Gapdh	6042.7	2148.60	-1.491811086	Down	0	0	6042.7	2048.334666	-1.56075852	Down	0	0
	6974	2916					6974					
RT1-	10.109	4.72181	-1.098369279	Down	1.25	3.83	10.109	3.438873925	-1.555774858	Down	8.58	3.48
M3-1	99994	5939			E-06	E-06	99994				E-11	E-10
Pdlim	11.120	2.72984	-2.026363123	Down	2.73	1.37	11.120	3.795521518	-1.550882899	Down	1.50	6.03
4	7411	2859			E-14	E-13	7411				E-10	E-10
Esrra	10.327	4.34091	-1.250372372	Down	3.74	1.68	10.327	3.525516098	-1.55053821	Down	6.54	3.68
	1673	8409			E-12	E-11	1673				E-17	E-16
Saraf	179.62	58.2039	-1.625784468	Down	7.14	5.60	179.62	61.32982413	-1.550312841	Down	1.19	8.58
	31826	5494			E-23	E-23	31826				E-22	E-22
					5	3					6	5
Ngdn	45.075	15.4312	-1.54647448	Down	2.29	2.45	45.075	15.4038248	-1.549041552	Down	9.71	1.09

	08374	5814			E-37	E-36	08374				E-39	E-37
Trapp	8.1020	2.39395			2.82	8.36	8.1020				1.39	3.80
c6a	0818	6154	-1.758882812	Down	E-06	E-06	0818	2.7737592	-1.546436994	Down	E-05	E-05
Mrpl1	17.521	4.17320			8.11	4.34	17.521				2.74	1.14
4	80428	8049	-2.069922591	Down	E-16	E-15	80428	6.005940179	-1.544689332	Down	E-11	E-10
Fkbp1	55.799	22.5750			8.67	9.85	55.799				9.14	1.37
4	94268	7762	-1.305532692	Down	E-40	E-39	94268	19.14573388	-1.543240678	Down	E-53	E-51
Arhge	16.453	6.60868			1.90	1.19	16.453				3.47	2.68
f25	73893	3711	-1.315980602	Down	E-19	E-18	73893	5.654515667	-1.540940096	Down	E-25	E-24
Tcp11	52.051	13.7858			2.31	6.79	52.051				1.73	4.04
12	96026	6721	-1.916762472	Down	E-10	E-10	96026	17.88976671	-1.540817921	Down	E-81	E-80
					7	6						
Nfkbil	11.532	3.91439			8.11	3.77	11.532				5.22	2.40
1	6204	7443	-1.558858204	Down	E-13	E-12	6204	3.968492244	-1.539057464	Down	E-13	E-12
Ncaph	38.655	16.1045			2.12	2.45	38.655				6.31	1.01
2	11427	8689	-1.26318765	Down	E-40	E-39	11427	13.3396235	-1.534941355	Down	E-56	E-54
												0.00
Dyrk3	2.3850	0.67652			1.21	3.36	2.3850				7.94	0202
	15052	815	-1.817776501	Down	E-05	E-05	15052	0.823052872	-1.534941355	Down	E-05	408
												1.04
Pcgf5	43.843	13.5165			2.85	4.29	43.843				1.04	1.40
	44351	5013	-1.697634138	Down	E-53	E-52	44351	15.13008149	-1.534941355	Down	E-47	E-46
Pick1	5.1983	2.18346			6.63	1.88	5.1983				7.75	2.59
	43086	9191	-1.251429679	Down	E-06	E-05	43086	1.793913713	-1.534941355	Down	E-08	E-07
Pdia6	901.11	362.865			0	0	901.11				0	0
	55453	5385	-1.312277057	Down			55453	311.5645571	-1.532180982	Down		
Zfp52	8.8306	3.97526			1.06	4.35	8.8306	3.054031415	-1.531801648	Down	1.95	1.07

3	31118	5144			E-10	E-10	31118				E-16	E-15
LOC1												
00911	107.78	41.1866			4.42	3.96	107.78				7.24	7.56
483	56445	9693	-1.38791471	Down	E-30	E-29	56445	37.30118463	-1.530871691	Down	E-36	E-35
Stk11i	14.596	5.01807			1.69	1.77	14.596				2.52	2.75
p	2809	5125	-1.540394845	Down	E-36	E-35	2809	5.059769253	-1.528457322	Down	E-37	E-36
Ccdc1	3.7744	0.97217			1.44	5.13	3.7744				1.36	4.06
20	56003	3968	-1.95698232	Down	E-08	E-08	56003	1.3107318	-1.525896215	Down	E-06	E-06
Krt76	3.9509	0.91932			1.51	5.36	3.9509				4.30	1.24
	05642	8523	-2.103530984	Down	E-08	E-08	05642	1.3728996	-1.524957267	Down	E-06	E-05
Hsp90	2604.0	1086.92					2604.0					
b1	82714	8049	-1.260518832	Down	0	0	82714	904.9033641	-1.524939636	Down	0	0
Ptov1	32.195	12.0590			1.19	1.16	32.195				1.49	1.66
	98281	5046	-1.416764377	Down	E-33	E-32	98281	11.22575604	-1.520068079	Down	E-38	E-37
Apbb1	4.7583	2.10898			1.15	3.53	4.7583				1.40	5.30
	72955	3841	-1.173920312	Down	E-06	E-06	72955	1.661631546	-1.517867842	Down	E-09	E-09
RGD1					0.00	0.00						
30715	6.6184	3.15338			0229	0553	6.6184				7.57	2.31
5	1677	7557	-1.069583652	Down	226	769	1677	2.31116186	-1.517867842	Down	E-07	E-06
Beckdh	15.082	6.83064			7.68	3.38	15.082				3.64	2.17
a	1891	4196	-1.142752294	Down	E-12	E-11	1891	5.284529892	-1.512998802	Down	E-18	E-17
Poc1a	11.580	3.28502			3.33	1.66	11.580				1.48	6.30
	9595	9627	-1.817776501	Down	E-14	E-13	9595	4.059949	-1.512221279	Down	E-11	E-11
Rpusd	6.0093	2.14879			9.64	2.98	6.0093				4.23	1.32
3	1068	197	-1.483673693	Down	E-07	E-06	1068	2.108921949	-1.510693809	Down	E-07	E-06
Radil	3.3131	0.99163			3.71	1.57	3.3131	1.16577631	-1.506926979	Down	1.38	5.22

	83179	8062			E-11	E-10	83179					E-09	E-09
Ppapd	36.752	11.2521			3.24	4.01	36.752					2.22	2.42
c1b	81986	593	-1.707653063	Down	E-43	E-42	81986	12.93971768	-1.506048804	Down		E-37	E-36
Hspb1	68.950	30.4597			4.25	3.57	68.950					9.36	1.11
	51718	2976	-1.178658231	Down	E-28	E-27	51718	24.33303633	-1.502645019	Down		E-42	E-40
Pfkfb4	11.569	5.23049			7.66	2.98	11.569					9.33	4.74
	86025	8222	-1.145351159	Down	E-10	E-09	86025	4.087745876	-1.500994023	Down		E-15	E-14
Sema3	21.402	6.78087			3.85	6.05	21.402					8.42	1.19
f	48666	222	-1.658235663	Down	E-56	E-55	48666	7.61355115	-1.491137002	Down		E-50	E-48
Sphk1	3.0149	1.36058			2.28	6.13	3.0149					1.29	4.24
	83064	2836	-1.147925103	Down	E-05	E-05	83064	1.077234263	-1.484817876	Down		E-07	E-07
Ccdc1	10.411	5.09011			0.00	0.00	10.411					1.29	4.24
67	78564	314	-1.032447886	Down	0103	0258	78564	3.720064754	-1.484817876	Down		E-07	E-07
					077	31							
					3.97	2.13						4.25	2.49
Rps6	363.14	135.265			E-17	E-16	363.14					E-18	E-18
	29788	2473	-1.424746461	Down			29788	129.9206647	-1.482906768	Down			
					0	8						7	5
Pepd	27.551	10.5925			3.04	2.65	27.551					1.43	1.40
	83695	9467	-1.379092487	Down	E-29	E-28	83695	9.864162	-1.481880111	Down		E-33	E-32
Irx2	21.715	7.34660			5.59	6.38	21.715					3.38	3.74
	35638	0639	-1.563566873	Down	E-40	E-39	35638	7.782532268	-1.480404071	Down		E-38	E-37
Kctd7	7.4871	2.77540			5.15	1.76	7.4871					1.29	4.58
	39945	1807	-1.431718069	Down	E-08	E-07	39945	2.68442839	-1.479799801	Down		E-08	E-08
RGD1	23.560	7.83534			6.46	1.12	23.560					1.24	2.04
30488	96596	8591	-1.588329323	Down	E-62	E-60	96596	8.458442333	-1.477934776	Down		E-57	E-56

Slc35e4	75.370 72235	27.7869 9107	-1.439594599	Down	2.46 E-94	6.48 E-93	75.370 72235	27.06396477	-1.477631015	Down	1.65 E-10	4.70 E-10
Cdk2ap2	75.580 67246	31.4619 155	-1.264410846	Down	1.02 E-34	1.01 E-33	75.580 67246	27.15776318	-1.476652696	Down	2.92 E-45	3.71 E-44
Maged2	32.182 59801	11.8845 9239	-1.437188371	Down	1.70 E-43	2.13 E-42	32.182 59801	11.57811853	-1.474879965	Down	9.98 E-47	1.31 E-45
Ndufaf6	11.524 90628	4.39412 3868	-1.391107574	Down	3.20 E-08	1.11 E-07	11.524 90628	4.152866915	-1.472575474	Down	4.06 E-09	1.49 E-08
Tyk2	13.690 08407	4.75861 4719	-1.524517749	Down	1.08 E-41	1.29 E-40	13.690 08407	4.939432094	-1.470714222	Down	6.48 E-41	7.60 E-40
Rassf7	5.1871 36467	1.32531 6491	-1.968601404	Down	2.37 E-08	8.30 E-08	5.1871 36467	1.87194393	-1.470401103	Down	4.06 E-06	1.17 E-05
Sync	9.6653 7938	2.89528 7881	-1.739119557	Down	5.76 E-18	3.35 E-17	9.6653 7938	3.488812708	-1.470090211	Down	8.44 E-15	4.31 E-14
Slc25a42	8.6074 81061	2.25718 914	-1.931063788	Down	1.37 E-23	1.00 E-22	8.6074 81061	3.123618738	-1.462372729	Down	8.84 E-17	4.94 E-16
Adamt2	2.1591 22031	0.70512 5462	-1.614492903	Down	2.92 E-07	9.36 E-07	2.1591 22031	0.78431441	-1.460940774	Down	1.25 E-06	3.75 E-06
Pgd	106.28 22873	34.4625 0139	-1.624801856	Down	2.01 E-16	1.00 E-15	106.28 22873	38.62815046	-1.460176675	Down	1.71 E-14	7.15 E-14
Cyth2	67.262 65285	23.9472 1485	-1.489947805	Down	4.33 E-67	8.20 E-66	67.262 65285	24.46973477	-1.458807216	Down	2.99 E-67	5.63 E-66
Rpa3	11.413 28273	3.75777 3963	-1.60276361	Down	2.25 E-06	6.74 E-06	11.413 28273	4.152996352	-1.458489295	Down	7.13 E-06	2.01 E-05



Plcb3	13.229	5.26529	-1.329198537	Down	2.13	1.76	13.229	4.813953635	-1.458489295	Down	1.91	1.82
	72842	0038			E-27	E-26	72842				E-32	E-31
Ddx50	69.491	23.9827	-1.534834432	Down	1.86	6.01	69.491	25.31217559	-1.457001134	Down	1.64	5.18
	31333	686			E-11	E-11	31333				E-11	E-10
					5	4					0	9
Pkm	2284.6	800.447	-1.513079245	Down	0	0	2284.6	832.7449953	-1.456010992	Down	0	0
	25469	3579			25469							
Egf	1.9644	0.63848	-1.621379289	Down	6.34	2.15	1.9644	0.717361893	-1.45332759	Down	3.88	1.22
	16173	3533			E-08	E-07	16173				E-07	E-06
Fbxw8	12.457	5.25281	-1.245851524	Down	1.90	1.76	12.457	4.55954428	-1.450052457	Down	8.82	1.03
	49503	4254			E-31	E-30	49503				E-41	E-39
Trim47	37.791	13.0232	-1.53698968	Down	7.57	1.18	37.791	13.83901405	-1.449339487	Down	5.67	8.58
	99426	6307			E-56	E-54	99426				E-53	E-52
Tmed3	186.15	62.1563	-1.582552499	Down	5.49	2.88	186.15	68.17547823	-1.449200556	Down	1.85	8.13
	7711	1492			E-16	E-16	7711				E-15	E-15
					7	5					1	0
Ndufb10	42.924	17.2343	-1.316524707	Down	1.03	5.73	42.924	15.73285965	-1.44803329	Down	9.24	5.89
	88333	8127			E-16	E-16	88333				E-20	E-19
Dhrsx	67.193	31.1816	-1.107623738	Down	2.12	1.43	67.193	24.63318601	-1.447718943	Down	5.56	5.36
	52321	7526			E-21	E-20	52321				E-33	E-32
Selk	147.66	71.8796	-1.038701063	Down	3.32	3.72	147.66	54.23366922	-1.445094738	Down	1.26	2.39
	78156	0373			E-39	E-38	78156				E-67	E-66
Zfyve21	12.451	5.39889	-1.205551921	Down	7.82	2.44	12.451	4.572938706	-1.445094738	Down	6.72	2.43
	22964	5899			E-07	E-06	22964				E-09	E-08
Prpsap1	44.825	18.7183	-1.259883966	Down	4.15	4.54	44.825	16.47312038	-1.444220237	Down	2.22	3.03
	94808	0929			E-38	E-37	94808				E-48	E-47

Cmc1	23.598	10.1574	-1.21612281	Down	8.88	3.21	23.598	8.681538041	-1.442644508	Down	2.17	9.09
	04052	9222			E-09	E-08	04052				E-11	E-11
Nr2f6	18.210	7.43123	-1.293084792	Down	1.37	7.88	18.210	6.69945173	-1.442644508	Down	3.00	2.02
	36004	8895			E-17	E-17	36004				E-21	E-20
Cln3	8.5799	3.24756	-1.401612337	Down	1.03	3.96	8.5799	3.158276744	-1.441831951	Down	2.13	8.43
	51804	2311			E-09	E-09	51804				E-10	E-10
Nr1h2	38.218	12.5329	-1.608552968	Down	9.45	1.41	38.218	14.07863943	-1.440769453	Down	1.88	2.45
	66462	3582			E-53	E-51	66462				E-46	E-45
Gfod1	21.439	8.27461	-1.373484803	Down	3.77	2.21	21.439	7.905906665	-1.439245703	Down	4.95	3.19
	16222	2902			E-18	E-17	16222				E-20	E-19
Cdkn2 c	18.767	4.67047	-2.006569254	Down	2.16	1.78	18.767	6.92665007	-1.437979625	Down	4.56	2.71
	14667	1373			E-27	E-26	14667				E-18	E-17
Hps1	21.113	8.64398	-1.288406327	Down	2.25	1.97	21.113	7.793202581	-1.437886671	Down	1.01	1.05
	63376	5568			E-29	E-28	63376				E-35	E-34
Map3 k10	2.7934	0.87958	-1.667119834	Down	1.25	4.47	2.7934	1.031127078	-1.437800197	Down	2.10	6.76
	00322	9634			E-08	E-08	00322				E-07	E-07
Ehmt2	36.946	13.5247	-1.449848522	Down	3.17	7.97	36.946	13.64617803	-1.4369568	Down	4.35	1.14
	91081	8088			E-90	E-89	91081				E-92	E-90
Sapcd 2	18.161	6.55443	-1.470313314	Down	7.64	4.66	18.161	6.714965213	-1.435405682	Down	8.18	5.01
	17458	8948			E-19	E-18	17458				E-19	E-18
Phf1	11.884	3.66692	-1.696398683	Down	1.56	1.06	11.884	4.407431926	-1.43103255	Down	1.36	7.89
	18313	8547			E-21	E-20	18313				E-17	E-17
Gsr	94.980	29.3712	-1.693223636	Down	1.35	5.15	94.980	35.27159603	-1.429122841	Down	1.41	4.33
	39129	7845			E-13	E-13	39129				E-10	E-10
C1qtn	6.0895	2.09276	-1.540936296	Down	3	2		2.263127128	-1.428026151	Down	7	6
					1.22	4.04	6.0895				3.66	1.15



	36338	2423					36338							
Tgfbli	52.743	21.1846				5.44	8.39	52.743					2.54	4.46
1	83824	8915	-1.315980602	Down		E-55	E-54	83824	20.01415103	-1.397982142	Down		E-62	E-61
Txlna	44.064	19.6693				3.77	5.25	44.064					2.87	5.41
	10915	8789	-1.163651976	Down		E-49	E-48	10915	16.74495757	-1.395877317	Down		E-67	E-66
Derl1	108.21	41.9267				2.37	1.20	108.21					2.53	1.37
	44482	0046	-1.36795193	Down		E-16	E-16	44482	41.13469846	-1.39546536	Down		E-17	E-17
						4	2						5	3
Wfs1	22.259	9.73054				2.12	1.80	22.259					5.14	5.56
	64977	2032	-1.193838817	Down		E-28	E-27	64977	8.474641804	-1.393206597	Down		E-37	E-36
Cisd3	49.401	21.6965				6.04	4.01	49.401					2.18	1.81
	75374	6356	-1.1870957	Down		E-21	E-20	75374	18.81946086	-1.39233696	Down		E-27	E-26
Ptdss2	25.724	12.5414				2.70	1.82	25.724					2.53	2.53
	18427	8811	-1.036416788	Down		E-21	E-20	18427	9.813281408	-1.390317792	Down		E-34	E-33
Qpctl	13.800	4.65224				8.73	5.98	13.800					5.63	3.47
	8089	374	-1.56875424	Down		E-22	E-21	8089	5.266300709	-1.389891022	Down		E-19	E-18
Plxna	8.1671	2.64875				2.35	3.00	8.1671					1.50	1.60
3	29628	8418	-1.624512859	Down		E-44	E-43	29628	3.116632404	-1.389841122	Down		E-36	E-35
Jmjd7	30.142	12.2907				8.49	5.81	30.142					6.13	4.69
	30259	6815	-1.294214545	Down		E-22	E-21	30259	11.51639887	-1.388099967	Down		E-25	E-24
Pacsin	13.445	5.64655				8.61	4.00	13.445					2.98	1.55
3	0243	4597	-1.251629623	Down		E-13	E-12	0243	5.139603328	-1.387343441	Down		E-15	E-14
Chpf2	19.897	8.46011				2.22	2.32	19.897					9.42	1.19
	7131	8902	-1.233852783	Down		E-36	E-35	7131	7.62219888	-1.384323471	Down		E-45	E-43
Gca	2.5649	0.86811				0.00	0.00	2.5649					0.00	0.00
	36917	6604	-1.562962602	Down		0138	0343	36917	0.983491905	-1.382938262	Down		0398	0943

					897	681						756	923
					0.00	0.00						0.00	0.00
Itgbl1	2.4486	0.93499	-1.388933203	Down	0151	0373	2.4486	0.938885377	-1.382938262	Down	0119	0299	
	03546	205			441	274	03546				398	609	
Ankrd	4.8190	1.66123	-1.536490391	Down	1.12	3.10	4.8190	1.847794877	-1.382938262	Down	3.61	9.49	
16	30307	0752			E-05	E-05	30307				E-05	E-05	
Ift172	12.161	4.10553	-1.56667474	Down	1.73	2.25	12.161	4.66829102	-1.381350265	Down	4.25	4.79	
	46197	4405			E-45	E-44	46197				E-39	E-38	
Cyp51	70.857	21.5107	-1.719857655	Down	6.40	3.28	70.857	27.22401459	-1.38003253	Down	9.45	3.30	
	097	0344			E-16	E-16	097				E-12	E-12	
Efemp	101.59	42.5182	-1.256687772	Down	6	4					4	2	
2	57929	1364			8.28	1.78	101.59	39.09572154	-1.377758023	Down	9.62	2.54	
Acss2	14.737	4.60337	-1.678712464	Down	E-78	E-76	57929				E-93	E-91	
	34658	6448			4.08	3.92	14.737	5.679675884	-1.375596286	Down	9.26	7.27	
Colla	151.11	68.8480	-1.13415519	Down	E-33	E-32	34658				E-26	E-25	
1	45116	1761			0	0	151.11	58.25503728	-1.3751875	Down	0	0	
Cep16	5.7844	2.24535	-1.365248461	Down			45116						
2	89653	1359			8.81	5.34	5.7844	2.23317948	-1.373090476	Down	1.50	9.45	
Slc39a	104.46	41.6571	-1.326413102	Down	E-19	E-18	89653				E-19	E-19	
7	71996	7576			1.26	4.49	104.46	40.33799669	-1.372838696	Down	7.53	2.93	
Glt8d	40.566	15.1470	-1.421256031	Down	E-12	E-12	71996				E-13	E-13	
1	63747	589			3	2					5	3	
Golga	11.149	4.63781	-1.265418666	Down	1.04	1.18	40.566	15.67388105	-1.371931271	Down	6.05	6.81	
4	1652	4508			E-39	E-38	63747				E-39	E-38	
					6.44	7.18	11.149	4.310827322	-1.370899012	Down	2.11	2.69	
					E-39	E-38	1652				E-45	E-44	

Klf15	12.224	4.53677	-1.430068332	Down	3.20	1.99	12.224	4.743500776	-1.365783541	Down	1.38	8.32
	7726	5882			E-19	E-18	7726				E-18	E-18
Arvcf	7.3816	2.52626	-1.54693934	Down	4.92	3.15	7.3816	2.866878784	-1.364465602	Down	2.42	1.39
	66239	7075			E-20	E-19	66239				E-17	E-16
Rps12	1088.0	418.017	-1.380154454	Down	0	0	1088.0	422.7629443	-1.363868832	Down	0	0
	83795	4899			83795	83795						
Hist1h 2bh	633.00	231.065	-1.453924692	Down	0	0	633.00	245.9707695	-1.363738615	Down	0	0
	8773	3291			8773	8773						
Nsmc e1	16.605	5.68234	-1.547137635	Down	1.65	8.35	16.605	6.460950062	-1.361876646	Down	1.40	6.26
	88803	0701			E-14	E-14	88803				E-12	E-12
D2hgd h	9.8304	3.97469	-1.306406407	Down	6.35	2.97	9.8304	3.830137925	-1.359854649	Down	4.24	2.06
	05944	6179			E-13	E-12	05944				E-14	E-13
Hdlbp	423.31	176.398	-1.262890817	Down	0	0	423.31	165.0711636	-1.358643277	Down	0	0
	49364	7792			49364	49364						
Mpnd	29.986	11.8093	-1.34440374	Down	2.47	1.97	29.986	11.69386776	-1.358579056	Down	1.26	1.06
	87613	3313			E-26	E-25	87613				E-27	E-26
Spns1	14.535	6.52996	-1.154467949	Down	7.45	3.82	14.535	5.674463901	-1.35705963	Down	2.20	1.38
	85199	7359			E-15	E-14	85199				E-19	E-18
Slc27a 1	20.111	7.35895	-1.450474395	Down	5.63	6.43	20.111	7.884543253	-1.350948147	Down	3.51	3.81
	87008	5115			E-40	E-39	87008				E-37	E-36
Haus8	26.915	9.86038	-1.448714431	Down	6.60	5.05	26.915	10.56788837	-1.348743342	Down	3.39	2.46
	37403	6094			E-25	E-24	37403				E-23	E-22
Aox1	17.833	5.78352	-1.624599868	Down	1.22	1.90	17.833	7.005901369	-1.347978423	Down	1.04	1.29
	88484	5658			E-55	E-54	88484				E-43	E-42
Fzd2	7.6234	3.65317	-1.061302748	Down	9.09	2.82	7.6234	2.995485119	-1.347662787	Down	1.39	5.23
	94466	2062			E-07	E-06	94466				E-09	E-09

Tns1	39.787 67072	12.7517 4392	-1.641626879	Down	1.60 E-17 6	9.02 E-17 5	39.787 67072	15.65186223	-1.345987125	Down	1.98 E-13 5	7.71 E-13 4
Coq4	8.9380 34899	2.70005 734	-1.726967632	Down	4.96 E-10	1.95 E-09	8.9380 34899	3.51736273	-1.345463556	Down	1.52 E-07	4.96 E-07
Atp13 a2	12.020 42192	4.14110 1991	-1.537400896	Down	2.00 E-31	1.84 E-30	12.020 42192	4.732662597	-1.344763559	Down	9.77 E-27	7.96 E-26
Stx2	14.040 13518	6.94996 2172	-1.014479796	Down	8.95 E-06	2.51 E-05	14.040 13518	5.534730487	-1.342971854	Down	1.42 E-08	5.00 E-08
Wdr3 4	6.7962 60973	2.60606 6775	-1.382867202	Down	1.20 E-08	4.30 E-08	6.7962 60973	2.679138934	-1.342971854	Down	1.42 E-08	5.00 E-08
Srebf2	48.373 91576	17.2717 2614	-1.485817052	Down	3.35 E-15	1.55 E-14	48.373 91576	19.09907574	-1.340726501	Down	1.14 E-13	4.35 E-13
Slc29a 3	5.3227 47878	2.36616 5618	-1.169620174	Down	1.47 E-05	4.04 E-05	5.3227 47878	2.101862417	-1.340502995	Down	8.84 E-07	2.68 E-06
Adgre 5	9.2918 65908	3.84374 4256	-1.273455985	Down	2.67 E-15	1.40 E-14	9.2918 65908	3.672471896	-1.339216884	Down	5.77 E-17	3.25 E-16
Fchol	2.1317 30918	0.88182 8101	-1.273455985	Down	8.59 E-05	0.00 0216 915	2.1317 30918	0.842927935	-1.338544142	Down	3.19 E-05	8.46 E-05
Tgfb1	32.446 42747	13.9077 0295	-1.22217548	Down	1.50 E-41	1.78 E-40	32.446 42747	12.82994954	-1.338544142	Down	2.39 E-49	3.34 E-48
Rpl34	944.02 46971	415.110 044	-1.185330763	Down	6.83 E-17	3.90 E-17	944.02 46971	373.5988551	-1.337334569	Down	2.06 E-22	1.43 E-21
					7	5					1	9

Hist1h 2ak	148.10 24123	62.3997 1591	-1.246983774	Down	4.04 E-29	3.52 E-28	148.10 24123	58.68088738	-1.335632547	Down	2.39 E-33	2.33 E-32
Gpr18 2	3.4308 42797	1.37192 1027	-1.322365586	Down	8.96 E-05	0.00 0225 824	3.4308 42797	1.359362732	-1.335632547	Down	5.80 E-05	0.00 0149 88
Rfx1	7.1234 6576	3.23999 1549	-1.136589272	Down	1.23 E-13	5.94 E-13	7.1234 6576	2.824215455	-1.334729169	Down	9.51 E-18	5.58 E-17
Plod3	83.241 43284	37.5882 4325	-1.147020308	Down	8.90 E-96	2.38 E-94	83.241 43284	33.03918117	-1.333123866	Down	1.61 E-12	5.66 E-12
Eif2ak 3	29.945 78904	9.48922 224	-1.657991396	Down	9.92 E-10 0	2.76 E-98	29.945 78904	11.88715129	-1.332950126	Down	1.71 E-74	3.63 E-73
Slc26a 6	7.1207 18947	2.13907 4664	-1.73503607	Down	9.16 E-16	4.89 E-15	7.1207 18947	2.827860048	-1.332312189	Down	2.04 E-11	8.57 E-11
Zfp46	15.170 00963	6.32841 0539	-1.261306902	Down	2.58 E-34	2.55 E-33	15.170 00963	6.031951328	-1.330525309	Down	1.96 E-38	2.18 E-37
Mgat4 b	21.962 16891	9.23397 3675	-1.249997012	Down	1.43 E-26	1.15 E-25	21.962 16891	8.766237218	-1.324990912	Down	6.10 E-30	5.43 E-29
Eef2	2482.7 03325	974.350 8237	-1.349398648	Down	0	0	2482.7 03325	992.0663099	-1.323403415	Down	0	0
Vwal	22.720 88137	7.56496 2988	-1.58661387	Down	5.62 E-38	6.13 E-37	22.720 88137	9.101590493	-1.319828218	Down	5.36 E-30	4.78 E-29
Il3ra	20.530 59896	7.60553 2345	-1.43265458	Down	1.36 E-18	8.18 E-18	20.530 59896	8.224679021	-1.319744435	Down	4.47 E-17	2.54 E-16
Eid3	20.391	6.93208	-1.556581809	Down	1.24	7.85	20.391	8.172227295	-1.319141611	Down	4.62	2.49



	14583	3981			E-19	E-19	14583				E-16	E-15
Zfp77	9.4348	3.36508			2.42	1.82	9.4348				3.82	2.56
5	42323	9311	-1.487353612	Down	E-24	E-23	42323	3.781460397	-1.319054898	Down	E-21	E-20
Cpt1c	13.945	5.35506			9.21	6.53	13.945				6.31	4.35
	17066	34	-1.380790029	Down	E-23	E-22	17066	5.599316906	-1.31644285	Down	E-22	E-21
Htatip	32.545	13.2459			8.60	5.89	32.545				5.90	4.23
2	66539	4206	-1.296914958	Down	E-22	E-21	66539	13.08304766	-1.314766759	Down	E-23	E-22
Nphp1	12.690	4.34930			7.33	6.12	12.690				9.98	7.09
	09607	0163	-1.544847808	Down	E-28	E-27	09607	5.111780901	-1.311805085	Down	E-23	E-22
Ocel1	21.295	9.04112			4.87	2.29	21.295				1.38	6.93
	60395	6004	-1.23598128	Down	E-13	E-12	60395	8.595288475	-1.30893768	Down	E-14	E-14
Mtm1	37.204	17.7330			4.26	4.29	37.204				1.22	1.72
	89922	176	-1.069054552	Down	E-35	E-34	89922	15.01952664	-1.308653265	Down	E-49	E-48
Dtx3	35.605	14.1947			1.54	1.40	35.605				6.83	6.23
	69858	1563	-1.326754211	Down	E-30	E-29	69858	14.37761524	-1.308283757	Down	E-31	E-30
Ap5z1	9.5700	3.05756			4.32	3.43	9.5700				1.90	1.20
	86508	8398	-1.646147194	Down	E-26	E-25	86508	3.864713513	-1.308170493	Down	E-19	E-18
Lrrc45	12.628	4.78248			5.40	3.32	12.628				1.09	6.36
	35109	0477	-1.400835292	Down	E-19	E-18	35109	5.114976743	-1.303866691	Down	E-17	E-17
Acaa1	14.032	4.67496			2.77	1.51	14.032				8.03	3.65
	38186	0249	-1.58573391	Down	E-16	E-15	38186	5.687478727	-1.302898764	Down	E-13	E-12
Pop5	18.276	8.30398			2.64	1.20	18.276				2.15	1.13
	37058	3421	-1.138104132	Down	E-12	E-11	37058	7.409927114	-1.302448344	Down	E-15	E-14
P4hb	1703.6	733.273					1703.6					
	08499	3791	-1.216170763	Down	0	0	08499	690.8423272	-1.302165449	Down	0	0
Idh1	35.615	13.0208			2.63	2.89	35.615	14.47356909	-1.299065704	Down	1.48	1.45

	03554	7932			E-38	E-37	03554				E-33	E-32
Fhl3	12.930	4.42949	-1.545535531	Down	1.17	4.79	12.930	5.267802852	-1.29547542	Down	1.04	3.69
	23665	1975			E-10	E-10	23665				E-08	E-08
Vegfb	17.361	7.33149	-1.243708642	Down	3.23	1.75	17.361	7.07308596	-1.29547542	Down	9.47	5.56
	4461	0722			E-16	E-15	4461				E-18	E-17
Ict1	34.713	12.9238	-1.425459079	Down	2.23	1.33	34.713	14.17565149	-1.292084831	Down	1.73	9.57
	57312	9373			E-18	E-17	57312				E-16	E-16
Enthd	16.255	6.74593	-1.268868716	Down	1.51	1.10	16.255	6.640035803	-1.29169661	Down	5.78	4.42
2	85609	7326			E-23	E-22	85609				E-25	E-24
Rnf8	11.700	5.66189	-1.047180129	Down	1.13	4.35	11.700	4.78256873	-1.290679754	Down	2.11	9.92
	23382	6301			E-09	E-09	23382				E-13	E-13
Sod1	302.68	149.127	-1.021263991	Down	1.95	3.77	302.68	123.7327039	-1.290586497	Down	9.21	2.65
	41997	8156			E-68	E-67	41997				E-10	E-10
											3	1
Tysnd	7.7666	3.16140	-1.296725764	Down	1.34	5.49	7.7666	3.180529248	-1.288026615	Down	8.01	3.25
1	55464	9024			E-10	E-10	55464				E-11	E-10
Cit	15.168	4.89037	-1.633080364	Down	9.13	1.81	15.168	6.214790245	-1.287318819	Down	1.31	1.88
	68923	1805			E-70	E-68	68923				E-50	E-49
Bloc1	10.383	4.31822	-1.265802413	Down	4.63	1.59	10.383	4.256792943	-1.286475422	Down	1.76	6.18
s4	6542	9519			E-08	E-07	6542				E-08	E-08
Kif3a	22.449	7.55188	-1.571769878	Down	3.27	3.40	22.449	9.212434461	-1.285024505	Down	7.28	6.14
	43072	6477			E-36	E-35	43072				E-28	E-27
Ribc1	5.4085	1.37837	-1.97228645	Down	4.68	1.72	5.4085	2.221989897	-1.283402588	Down	1.40	3.82
	9865	4956			E-09	E-08	9865				E-05	E-05
Phf13	14.416	5.97303	-1.271196478	Down	5.81	4.32	14.416	5.926424374	-1.282498361	Down	4.56	3.50
	61241	3527			E-24	E-23	61241				E-25	E-24

Plod1	220.41 14044	96.6292 0793	-1.189667632	Down	4.02 E-27 9	4.07 E-27 7	220.41 14044	90.68113463	-1.281324525	Down	0	0
Dgcr1 4	17.568 76863	7.43984 9832	-1.239667672	Down	8.39 E-16	4.49 E-15	17.568 76863	7.231379866	-1.28067021	Down	4.34 E-17	2.47 E-16
Cacnb 3	6.4417 70637	2.86519 8019	-1.168822444	Down	1.91 E-08	6.75 E-08	6.4417 70637	2.655811169	-1.27830472	Down	8.04 E-10	3.08 E-09
Gemin 8	17.097 03327	5.99624 104	-1.511615722	Down	3.02 E-14	1.51 E-13	17.097 03327	7.054434821	-1.277143598	Down	1.17 E-11	5.01 E-11
Steap3	21.964 57996	10.9501 2446	-1.004231643	Down	5.36 E-21	3.57 E-20	21.964 57996	9.06351598	-1.277036186	Down	2.56 E-31	2.36 E-30
Rnf18 1	26.260 86641	11.0785 489	-1.245145589	Down	7.61 E-24	5.62 E-23	26.260 86641	10.86757309	-1.272884716	Down	1.93 E-25	1.50 E-24
Nprl2	24.684 80603	10.9655 4965	-1.17064518	Down	8.29 E-18	4.79 E-17	24.684 80603	10.21797306	-1.272514272	Down	8.72 E-21	5.75 E-20
RGD1 56480 4	12.690 7521	5.95917 9639	-1.090591928	Down	1.41 E-07	4.64 E-07	12.690 7521	5.260653885	-1.270463532	Down	1.36 E-09	5.14 E-09
Men1	23.221 66976	10.4630 2493	-1.150171709	Down	2.45 E-30	2.21 E-29	23.221 66976	9.642974324	-1.267921601	Down	2.25 E-36	2.39 E-35
Ift88	6.7453 85838	2.03462 8641	-1.729135469	Down	1.02 E-17	5.88 E-17	6.7453 85838	2.801966921	-1.267461044	Down	5.69 E-12	2.47 E-11
Syvn1	72.318 80918	27.7747 894	-1.380594949	Down	1.03 E-11 9	3.48 E-11 8	72.318 80918	30.04983969	-1.267013628	Down	2.41 E-10	7.42 E-10
Os9	139.15	59.8701	-1.216795818	Down	4.49	2.31	139.15	57.83219039	-1.266760494	Down	5.04	2.88

	61958	7228			E-16	E-16	61958				E-18	E-18
					6	4					3	1
Ogfr	28.575	13.7425	-1.056111487	Down	8.40	5.98	28.575	11.89439725	-1.264479428	Down	5.36	4.90
	16034	536			E-23	E-22	16034				E-31	E-30
Tmem	17.550	6.68153	-1.393295755	Down	2.31	1.38	17.550	7.314869395	-1.262644028	Down	1.88	1.03
101	93681	8688			E-18	E-17	93681				E-16	E-15
Tsta3	18.339	7.85271	-1.22370295	Down	7.43	3.46	18.339	7.64895149	-1.261631965	Down	7.64	3.67
	64698	2146			E-13	E-12	64698				E-14	E-13
Csf2ra	9.3951	4.54843	-1.046541005	Down	4.06	1.19	9.3951	3.919130456	-1.261376282	Down	4.83	1.65
	08863	0703			E-06	E-05	08863				E-08	E-07
Pitpn	5.9348	2.91183	-1.027295398	Down	4.58	1.81	5.9348	2.480733018	-1.258456231	Down	7.26	3.49
m1	95833	2383			E-10	E-09	95833				E-14	E-13
Gtpbp	4.9200	1.28146	-1.940880646	Down	3.13	1.41	4.9200	2.061210239	-1.255182714	Down	2.90	9.21
3	5478	4695			E-12	E-11	5478				E-07	E-07
Itpripl	32.138	12.9341	-1.313126131	Down	7.24	6.92	32.138	13.47116533	-1.254433188	Down	1.10	1.02
2	61694	1833			E-33	E-32	61694				E-31	E-30
												0.00
Enkd1	4.4939	1.33617	-1.749894029	Down	6.07	1.91	4.4939	1.884710649	-1.253655245	Down	7.81	0199
	943	0642			E-07	E-06	943				E-05	364
Fbxw	7.0897	3.20884	-1.14368811	Down	1.66	5.03	7.0897	2.974345617	-1.253170387	Down	1.54	5.01
17	88961	6046			E-06	E-06	88961				E-07	E-07
LOC1	3.7712	1.58111	-1.25409066	Down	1.48	4.48	3.7712	1.582813229	-1.252541624	Down	9.80	2.96
00360	23497	4659			E-06	E-06	23497				E-07	E-06
552												
Eml1	24.104	11.9730	-1.009511074	Down	1.22	8.01	24.104	10.11781829	-1.252406698	Down	1.24	1.10
	54058	7614			E-20	E-20	54058				E-29	E-28

Mroh1	27.815 6502	12.9141 365	-1.106945648	Down	2.13 E-17	1.21 E-16	27.815 6502	11.68672133	-1.251026586	Down	1.53 E-21	1.04 E-20
Kcnd1	15.215 43042	5.45331 2163	-1.480330499	Down	1.69 E-36	1.77 E-35	15.215 43042	6.413122564	-1.246436262	Down	3.29 E-29	2.87 E-28
Cyth1	6.5744 87729	2.86838 3848	-1.196640388	Down	1.61 E-05	4.39 E-05	6.5744 87729	2.776931477	-1.243386909	Down	5.96 E-06	1.70 E-05
RGD1 30695 4	12.215 08316	4.40847 1296	-1.470313314	Down	3.62 E-10	1.44 E-09	12.215 08316	5.161645915	-1.242760604	Down	2.20 E-08	7.65 E-08
Josd2	17.225 4379	6.91602 9618	-1.316524707	Down	4.31 E-09	1.59 E-08	17.225 4379	7.284784738	-1.241582412	Down	1.17 E-08	4.15 E-08
Wdpc p	4.3865 45371	1.66713 7913	-1.395711735	Down	5.23 E-08	1.79 E-07	4.3865 45371	1.860672806	-1.237260806	Down	4.66 E-07	1.45 E-06
Adh7	40.259 85537	14.4512 6299	-1.478146405	Down	9.08 E-52	1.33 E-50	40.259 85537	17.11151785	-1.234374252	Down	9.17 E-41	1.07 E-39
Pfkm	9.6157 85985	3.69670 3567	-1.379165426	Down	2.93 E-16	1.59 E-15	9.6157 85985	4.087815013	-1.234074876	Down	2.56 E-14	1.27 E-13
Dnajc 3	143.05 01667	65.5714 8617	-1.12538068	Down	5.47 E-88	1.35 E-86	143.05 01667	60.99780265	-1.229692001	Down	1.02 E-10	3.02 E-10
Gpatc h2l	10.631 30649	4.24925 2231	-1.323038014	Down	3.53 E-18	2.07 E-17	10.631 30649	4.544676437	-1.226069413	Down	8.52 E-17	4.77 E-16
Ttbk2	18.531 83248	7.78427 9264	-1.251370173	Down	3.27 E-39	3.66 E-38	18.531 83248	7.931146714	-1.22440417	Down	3.59 E-39	4.06 E-38
Sec24 d	118.25 28713	51.1568 855	-1.208874876	Down	5.27 E-20	3.54 E-20	118.25 28713	50.62777412	-1.223874253	Down	2.88 E-21	1.97 E-21

					7	5					8	6
Arfga	65.627	32.2220			2.03	2.52	65.627				5.68	9.52
p1	15962	4393	-1.026244983	Down	E-43	E-42	15962	28.17583699	-1.219834526	Down	E-59	E-58
Ddx41	43.745	20.0099			1.25	1.35	43.745				7.77	9.64
	19817	701	-1.128405652	Down	E-37	E-36	19817	18.78958013	-1.219191835	Down	E-44	E-43
Dll1	22.106	9.65058			5.14	4.82	22.106				5.25	5.19
	32573	7698	-1.195770549	Down	E-32	E-31	32573	9.502752939	-1.218041829	Down	E-34	E-33
Cenpa	24.210	9.53485			2.27	1.35	24.210				2.24	1.23
	314	1136	-1.344339471	Down	E-18	E-17	314	10.42762766	-1.215210816	Down	E-16	E-15
Tspyl	44.615	18.2365			8.48	1.47	44.615				4.06	6.75
2	59102	7297	-1.290713309	Down	E-62	E-60	59102	19.22279632	-1.214729733	Down	E-58	E-57
Ap2s1	83.398	36.9636			3.23	2.82	83.398				1.03	9.56
	90976	7533	-1.173920312	Down	E-29	E-28	90976	35.97551311	-1.21301326	Down	E-31	E-31
LOC1	94.248	37.0883			4.10	4.69	94.248				2.86	2.94
02549	0299	7352	-1.34549546	Down	E-40	E-39	0299	40.73628831	-1.210147926	Down	E-35	E-34
726												
Tp53i	11.253	4.48436			1.00	3.86	11.253				7.93	2.85
13	48204	8299	-1.327394792	Down	E-09	E-09	48204	4.869222688	-1.208608081	Down	E-09	E-08
Sel11	473.25	216.990			0	0	473.25				0	0
	81068	6568	-1.124994294	Down			81068	205.1034059	-1.20627577	Down		
Stx4	46.773	16.0221			1.15	1.07	46.773				1.03	7.29
	51036	7832	-1.545621403	Down	E-31	E-30	51036	20.28261579	-1.205447983	Down	E-22	E-22
Tubb2	46.709	18.6360			1.44	1.68	46.709				3.22	3.41
a	35396	4514	-1.325615761	Down	E-40	E-39	35396	20.26488053	-1.204729821	Down	E-36	E-35
Wdr6	4.7724	2.37464			1.47	4.46	4.7724				1.41	4.96
0	63793	4008	-1.007023003	Down	E-06	E-06	63793	2.071629678	-1.203968121	Down	E-08	E-08

Tmem	8.0487	3.10752	-1.372991659	Down	1.20	4.29	8.0487	3.497663748	-1.202366016	Down	1.76	5.71
143	10233	4914			E-08	E-08	10233				E-07	E-07
					5.16	1.48					3.19	1.21
Rnh1	172.62	82.9085	-1.058088013	Down	E-10	E-10	172.62	75.06242194	-1.201517621	Down	E-13	E-13
	96609	2475					96609					
					5	3					3	1
Agpat	6.0494	2.30998	-1.388933203	Down	8.57	2.87	6.0494	2.631852901	-1.20073493	Down	1.18	3.56
4	91112	0358			E-08	E-07	91112				E-06	E-06
	49.756	20.6782			1.82	2.42	49.756				3.59	4.48
Ctsf	12147	2997	-1.266761333	Down	E-46	E-45	12147	21.6516993	-1.200393774	Down	E-44	E-43
	53.892	23.1854			1.09	2.41	53.892				2.05	4.72
Dnm1	82227	6535	-1.216872457	Down	E-79	E-78	82227	23.48004499	-1.198657967	Down	E-80	E-79
	10.630	3.85621			2.68	2.01	10.630				9.41	5.74
Ubxn8	3528	0454	-1.462933784	Down	E-24	E-23	3528	4.632611881	-1.198291754	Down	E-19	E-18
	2.3900	0.76211			3.60	2.70	2.3900				8.70	4.62
Csm1	72808	9665	-1.64896512	Down	E-24	E-23	72808	1.043726206	-1.195311258	Down	E-16	E-15
	14.647	6.66494			1.67	9.18	14.647				2.74	1.64
Akap1	12995	8074	-1.135952461	Down	E-16	E-16	12995	6.409135367	-1.192416356	Down	E-18	E-17
7a	14.503	6.95400			9.58	3.95	14.503				4.40	2.03
Dgat1	26715	337	-1.060462262	Down	E-11	E-10	26715	6.351017912	-1.191318189	Down	E-13	E-12
	17.714	8.32421			1.24	6.29	17.714				3.28	1.87
Abhd1	1269	3966	-1.089514405	Down	E-14	E-14	1269	7.758514903	-1.191047929	Down	E-17	E-16
6a	20.993	8.70444			1.41	7.79	20.993				1.44	7.60
Gm1s	06296	0917	-1.270089134	Down	E-16	E-16	06296	9.196763098	-1.190714593	Down	E-15	E-15
	86.905	39.0626			4.57	5.63	86.905				1.05	1.38
Magt1	70292	3796	-1.153661473	Down	E-43	E-42	70292	38.08327815	-1.190293184	Down	E-46	E-45
	14.429	6.01432			2.54	1.33	14.429				1.74	8.69
Mst1			-1.262567669	Down				6.329290897	-1.188927642	Down		

	72117	9248			E-15	E-14	72117				E-14	E-14
B3galt	6.5232	2.25336			1.20	4.92	6.5232				7.84	2.62
6	9279	5842	-1.533518824	Down	E-10	E-10	9279	2.862280668	-1.188435237	Down	E-08	E-07
Gpank	8.6820	4.24642			1.07	2.98	8.6820				5.25	1.62
1	94087	2226	-1.03179523	Down	E-05	E-05	94087	3.818600974	-1.184998884	Down	E-07	E-06
LOC6	26.966	11.8112			7.41	2.31	26.966				5.25	1.62
90871	23925	4063	-1.190993825	Down	E-07	E-06	23925	11.86042289	-1.184998884	Down	E-07	E-06
Sema4	2.1956	1.06439			0.00	0.00	2.1956				1.35	3.71
c	81149	3253	-1.044637295	Down	0112	0281	81149	0.966875909	-1.183265917	Down	E-05	E-05
					66	454						
RGD1	23.507	11.5198			2.73	1.09	23.507				6.49	2.97
30843	1542	0156	-1.02898403	Down	E-10	E-09	1542	10.37066288	-1.180591783	Down	E-13	E-12
0												
Synga	2.3392	0.78158			3.44	1.28	2.3392				1.76	5.22
p1	54389	2722	-1.581578281	Down	E-09	E-08	54389	1.034950219	-1.176487384	Down	E-06	E-06
Pck2	76.667	33.4699			1.14	2.11	76.667				4.82	8.86
	77176	5526	-1.195753628	Down	E-65	E-64	77176	33.94338473	-1.175489818	Down	E-66	E-65
Srd5a	45.237	22.3102			2.46	1.72	45.237				1.36	1.17
3	42963	6733	-1.019809158	Down	E-22	E-21	42963	20.06620186	-1.17274939	Down	E-28	E-27
Prmt2	19.389	9.37259			2.84	1.48	19.389				1.35	8.20
	43378	8425	-1.048749698	Down	E-15	E-14	43378	8.604119746	-1.172171165	Down	E-18	E-18
Hist1h	646.14	219.543			5.72	2.92	646.14				9.71	3.04
2bk	80633	3727	-1.557358808	Down	E-16	E-16	80633	287.0251075	-1.170687851	Down	E-11	E-10
					5	3					0	8
Fdx1	12.877	5.85975			7.60	2.14	12.877				3.13	9.11
	61583	8269	-1.135952461	Down	E-06	E-05	61583	5.727796179	-1.168813456	Down	E-06	E-06



MGC														
11271	89.207	33.5834	-1.409408391	Down	6.45	1.74	89.207						8.27	1.76
5	20723	8347			E-97	E-95	20723	39.69527977	-1.168192809	Down			E-75	E-73
Mrpl3	36.910	12.9945	-1.506116742	Down	3.78	4.33	36.910						3.09	2.63
	2025	161			E-40	E-39	2025	16.461343	-1.164937609	Down			E-28	E-27
Rpl3	1123.4	503.620	-1.157516989	Down	0	0	1123.4						0	0
	42008	4132					42008	501.4544115	-1.163735202	Down				
Fuk	4.0711	1.49605	-1.444256674	Down	2.30	9.23	4.0711						5.45	1.85
	1162	7995			E-10	E-10	1162	1.818658397	-1.162548193	Down			E-08	E-07
Snap4	10.561	4.33523	-1.284596543	Down	8.00	3.31	10.561						1.04	3.96
7	2465	9423			E-11	E-10	2465	4.719310594	-1.162132091	Down			E-09	E-09
Hist1h	492.69	163.197	-1.594081253	Down	8.21	5.15	492.69						3.36	1.16
2bo	80377	8977			E-19	E-19	80377	220.3238662	-1.161077945	Down			E-12	E-12
					3	1							2	0
Knstrn	37.065	13.1861	-1.49104742	Down	2.85	2.88	37.065						5.06	3.88
	21476	0478			E-35	E-34	21476	16.59982328	-1.158897987	Down			E-25	E-24
Dbp	14.890	6.60753	-1.172243734	Down	3.72	1.67	14.890						2.60	1.15
	86816	5307			E-12	E-11	86816	6.672394722	-1.158151325	Down			E-12	E-11
Arl6ip	21.979	10.1164	-1.119472528	Down	5.86	2.60	21.979						6.62	3.02
4	81771	7648			E-12	E-11	81771	9.86339448	-1.156023282	Down			E-13	E-12
Golga	33.389	15.6931	-1.089260887	Down	2.57	4.05	33.389						6.24	1.12
2	48681	2897			E-56	E-55	48681	14.98534618	-1.155841507	Down			E-64	E-62
Insig1	45.964	17.5770	-1.386837785	Down	1.28	2.30	45.964						1.32	1.86
	78726	2952			E-63	E-62	78726	20.63034983	-1.155760778	Down			E-49	E-48
Tssc4	19.016	9.28008	-1.035051246	Down	3.45	1.46	19.016						1.69	7.99
	62646	6063			E-11	E-10	62646	8.544937026	-1.154119571	Down			E-13	E-13

Ric8b	15.024 6656	7.44812 8074	-1.012383096	Down	1.92 E-10	7.74 E-10	15.024 6656	6.76292925	-1.151612716	Down	5.85 E-13	2.68 E-12
Hdac5	30.907 72087	12.9335 4743	-1.25684924	Down	4.68 E-49	6.50 E-48	30.907 72087	13.91783102	-1.151032877	Down	3.42 E-44	4.28 E-43
Nek4	10.242 67207	3.24331 8078	-1.659049707	Down	4.70 E-22	3.25 E-21	10.242 67207	4.61573096	-1.14996109	Down	1.49 E-13	7.10 E-13
Tmed 9	168.74 7624	82.5716 5023	-1.031148745	Down	3.87 E-84	9.13 E-83	168.74 7624	76.0710307	-1.149448131	Down	1.24 E-10	3.64 E-10
Cacna 1b	19.341 55992	6.99392 6038	-1.46752971	Down	6.22 E-11	1.99 E-11	19.341 55992	8.735099943	-1.14680804	Down	5.59 E-81	1.29 E-79
Lamb 2	37.801 90555	16.3138 3962	-1.212362586	Down	1.72 E-96	4.62 E-95	37.801 90555	17.10625657	-1.143934877	Down	6.75 E-91	1.75 E-89
Tlcd1	21.415 80633	9.71344 9933	-1.140620302	Down	3.57 E-13	1.69 E-12	21.415 80633	9.691371971	-1.143903175	Down	1.24 E-13	5.91 E-13
Kif19	3.5183 48612	1.51535 6318	-1.215241371	Down	4.88 E-07	1.54 E-06	3.5183 48612	1.595071319	-1.141277507	Down	1.14 E-06	3.42 E-06
Rab24	21.408 32664	7.02914 7813	-1.606750335	Down	5.02 E-24	3.74 E-23	21.408 32664	9.717977457	-1.139444042	Down	3.82 E-15	1.97 E-14
Eno1	3175.1 95537	1486.36 4675	-1.09505732	Down	0	0	3175.1 95537	1441.593091	-1.139181438	Down	0	0
Ppp2r 5b	8.6371 38559	3.14308 1611	-1.458373701	Down	3.93 E-13	1.86 E-12	8.6371 38559	3.921867391	-1.139012679	Down	1.26 E-09	4.77 E-09
Cebpb	38.819 92889	12.6679 4818	-1.615614605	Down	1.11 E-40	1.29 E-39	38.819 92889	17.6421955	-1.137767366	Down	5.40 E-25	4.14 E-24

Ubxn1	54.495	23.5405	-1.210991898	Down	1.38	1.01	54.495	24.77891552	-1.137028034	Down	3.96	2.75
	65026	6885			E-23	E-22	65026				E-22	E-21
B4galt 7	11.853	3.47804	-1.768983402	Down	1.63	8.94	11.853	5.390740706	-1.136777674	Down	2.36	8.77
	66423	7872			E-16	E-16	66423				E-09	E-09
Ppox	15.790	6.56502	-1.266151185	Down	2.59	1.35	15.790	7.191663006	-1.134625362	Down	1.79	8.48
	12603	0864			E-15	E-14	12603				E-13	E-13
Fam2 16a	12.245	5.59135	-1.13101172	Down	1.16	3.84	12.245	5.581409992	-1.133578793	Down	6.59	2.21
	74311	0165			E-07	E-07	74311				E-08	E-07
RGD1 55990 9	21.793	7.52692	-1.53377089	Down	1.67	7.24	21.793	9.933153118	-1.133578793	Down	6.59	2.21
	56857	0083			E-11	E-11	56857				E-08	E-07
Stt3b	117.05	55.8249	-1.068183834	Down	2.50	8.24	117.05	53.48640071	-1.129920901	Down	8.37	3.14
	32449	1658			E-11	E-11	32449				E-13	E-13
Tspan 17	6.5651	2.45537	-1.418886425	Down	7	6		3.000103505	-1.129819325	Down	3	1
	66501	8058			E-07	E-07	66501				E-06	E-05
Abcd4	7.7403	3.78180	-1.033321981	Down	7.29	2.46	7.7403	3.540483647	-1.128448965	Down	3.88	1.42
	31838	0964			E-08	E-07	31838				E-09	E-08
Fez1	4.6111	1.32464	-1.799524797	Down	6.73	2.27	4.6111	2.111880594	-1.126598508	Down	0.00	0.00
	50568	1514			E-08	E-07	50568				0121	0304
Lss	12.391	5.46989	-1.179796878	Down	483	528		5.678574391	-1.125780422	Down	2.98	1.62
	76004	1931			E-17	E-16	76004				E-16	E-15
Fbxo9	12.399	5.25547	-1.238409038	Down	6.90	3.38	12.399	5.689802701	-1.12385104	Down	1.89	8.42
	66868	3052			E-14	E-13	66868				E-12	E-12
Ccdc7	5.5342	1.93620	-1.515161882	Down	3.35	1.33	5.5342	2.539677105	-1.123745922	Down	4.37	1.36

7	62235	1531			E-10	E-09	62235				E-07	E-06
Gas5	235.50	114.326	-1.042586555	Down	3.22	3.44	235.50	108.0912624	-1.123499679	Down	3.02	3.70
	36771	7522			E-37	E-36	36771				E-43	E-42
Sdcca	17.127	7.81247	-1.132482357	Down	3.62	2.25	17.127	7.861319583	-1.123491164	Down	1.56	9.84
g8	73725	846			E-19	E-18	73725				E-19	E-19
Amig	10.258	4.20470	-1.286752808	Down	2.50	9.38	10.258	4.709396269	-1.12321659	Down	5.43	1.84
o3	57695	8844			E-09	E-09	57695				E-08	E-07
Atg13	51.419	22.1109	-1.217539996	Down	1.56	2.55	51.419	23.61173887	-1.122798759	Down	3.23	4.94
	05338	813			E-58	E-57	05338				E-53	E-52
Urod	19.382	8.87348	-1.127182252	Down	5.00	2.10	19.382	8.904770695	-1.122104764	Down	2.76	1.15
	50625	5918			E-11	E-10	50625				E-11	E-10
Slc35e	64.649	27.6415	-1.225806507	Down	1.46	4.05	64.649	29.71693316	-1.121357941	Down	2.91	7.43
1	67763	1459			E-99	E-98	67763				E-89	E-88
Dhx40	36.621	12.5571	-1.544199931	Down	6.19	1.21	36.621	16.8388398	-1.120915918	Down	1.12	1.38
	95118	4707			E-69	E-67	95118				E-43	E-42
Ccdc9	18.242	7.48364	-1.285528817	Down	1.97	9.92	18.242	8.394044767	-1.119903856	Down	3.30	1.45
0b	98638	5375			E-14	E-14	98638				E-12	E-11
N6amt	11.767	5.29390	-1.152440584	Down	2.91	8.61	11.767	5.414650508	-1.119903856	Down	3.33	9.66
2	79469	2017			E-06	E-06	79469				E-06	E-06
Wdr1	64.886	32.1966	-1.011004369	Down	2.08	1.91	64.886	29.90399707	-1.11757505	Down	5.66	6.24
8	27665	1491			E-31	E-30	27665				E-38	E-37
Rbck1	29.162	12.1654	-1.261306902	Down	2.58	2.54	29.162	13.47492457	-1.113816526	Down	2.87	2.51
	082	2584			E-34	E-33	082				E-29	E-28
Herpu	566.04	269.217	-1.072158981	Down	0	0	566.04	261.5561665	-1.113808685	Down	0	0
d1	99901	1818					99901					
Trim4	34.597	14.7825	-1.226751952	Down	8.87	1.43	34.597	16.01718431	-1.111030905	Down	4.64	6.76

1	10834	946			E-58	E-56	10834				E-51	E-50
Stx5	67.535	29.4241	-1.198635923	Down	8.94	1.38	67.535	31.26973033	-1.110872198	Down	3.52	5.03
	16869	9718			E-55	E-53	16869				E-50	E-49
Adck4	12.684	5.27561	-1.265678635	Down	1.82	9.18	12.684	5.875975954	-1.110188701	Down	2.39	1.06
	69735	2345			E-14	E-14	69735				E-12	E-11
Ppib	676.55	312.537	-1.114175519	Down	2.87	2.12	676.55	313.8637624	-1.108067225	Down	1.17	8.45
	42843	6893			E-22	E-22	42843				E-22	E-22
					3	1					8	7
Atmin	41.454	16.4484	-1.333588067	Down	1.06	3.06	41.454	19.26045665	-1.105899516	Down	2.89	6.70
	86509	6958			E-10	E-10	86509				E-81	E-80
					5	4						
Ccdc3	4.1466	1.65660	-1.323729192	Down	6.04	1.90	4.1466	1.927598192	-1.10515727	Down	1.11	3.07
4	94098	8196			E-07	E-06	94098				E-05	E-05
Rxrb	13.333	5.71956	-1.22110058	Down	1.03	5.71	13.333	6.201852559	-1.104307001	Down	7.25	3.71
	70888	5878			E-16	E-16	70888				E-15	E-14
Mrpl4	30.715	12.7835	-1.264685776	Down	1.05	6.36	30.715	14.29100505	-1.103865646	Down	8.77	4.65
4	63111	3867			E-18	E-18	63111				E-16	E-15
Rfx2	4.7950	2.01188	-1.252991883	Down	1.01	3.64	4.7950	2.232580888	-1.102830342	Down	1.47	4.78
	39795	9272			E-08	E-08	39795				E-07	E-07
Stk16	37.237	16.2464	-1.196640388	Down	5.01	3.98	37.237	17.34591465	-1.102167492	Down	1.09	8.04
	68556	3321			E-26	E-25	68556				E-23	E-23
Hist2h	1639.3	738.131	-1.151187161	Down	3.04	2.82	1639.3	764.3238163	-1.100881841	Down	8.48	6.97
2ab	65715	9122			E-26	E-26	65715				E-25	E-25
					7	5					7	5
Jund	27.630	12.5800	-1.13514059	Down	1.84	1.20	27.630	12.89071567	-1.099943114	Down	4.03	2.60
	76443	2584			E-20	E-19	76443				E-20	E-19

Eva1b	40.490	19.4217	-1.059904051	Down	1.88	1.08	40.490	18.92171637	-1.097536043	Down	5.72	3.52
	37496	7357			E-17	E-16	37496				E-19	E-18
Dhdds	31.352	15.3122	-1.033880552	Down	4.15	2.35	31.352	14.65856586	-1.096820243	Down	2.72	1.69
	14619	2202			E-17	E-16	14619				E-19	E-18
Ago1	10.557	4.59290	-1.200786917	Down	3.11	3.23	10.557	4.940659888	-1.095489957	Down	1.95	1.85
	48068	4495			E-36	E-35	48068				E-32	E-31
Prrc1	73.870	34.9747	-1.078675795	Down	8.33	1.11	73.870	34.58347296	-1.094908661	Down	1.73	2.42
	14534	9548			E-47	E-45	14534				E-49	E-48
Zbtb7c	2.4913	1.03794	-1.26318765	Down	2.48	7.40	2.4913	1.166792317	-1.094368764	Down	1.96	5.30
	3073	4214			E-06	E-06	3073				E-05	E-05
Dmrta2	4.7512	1.97558	-1.266038514	Down	2.82	9.85	4.7512	2.225625054	-1.094107855	Down	5.16	1.60
	87216	4982			E-08	E-08	87216				E-07	E-06
Zcrb1	13.582	5.98124	-1.183258176	Down	2.76	1.03	13.582	6.363155824	-1.093960589	Down	1.40	4.96
	74382	1062			E-09	E-08	74382				E-08	E-08
Accs	17.474	7.85187	-1.154157057	Down	1.64	8.65	17.474	8.187823148	-1.093714332	Down	9.05	4.61
	68171	5059			E-15	E-15	68171				E-15	E-14
Bbc3	9.8669	4.72493	-1.062308321	Down	2.72	8.07	9.8669	4.626381949	-1.092719026	Down	1.04	3.12
	44574	6969			E-06	E-06	44574				E-06	E-06
Zc3h10	14.233	6.00215	-1.245710995	Down	1.42	7.51	14.233	6.676225029	-1.092158865	Down	2.95	1.37
	23255	4492			E-15	E-15	23255				E-13	E-12
Lemd2	24.267	12.1026	-1.003695716	Down	7.01	3.93	24.267	11.39211064	-1.090982246	Down	9.27	5.91
	36237	3841			E-17	E-16	36237				E-20	E-19
Cnp	20.726	9.10342	-1.187015969	Down	1.89	1.32	20.726	9.730809969	-1.090866151	Down	2.23	1.45
	80798	9055			E-22	E-21	80798				E-20	E-19
Mkrnl	19.633	9.70905	-1.015924555	Down	3.90	1.65	19.633	9.228808523	-1.089110702	Down	1.08	4.90
	63104	2759			E-11	E-10	63104				E-12	E-12

Ifi27	68.896	32.2855	-1.093546895	Down	1.09	7.73	68.896	32.40277102	-1.088317513	Down	3.12	2.27
	69164	3228			E-22	E-22	69164				E-23	E-22
Jmjd6	48.271	23.9198	-1.012950406	Down	3.42	2.98	48.271	22.70664546	-1.088043957	Down	1.02	1.01
	0612	4661			E-29	E-28	0612				E-33	E-32
RGD1 56114 9	7.9501	3.60494	-1.141005689	Down	1.93	1.15	7.9501	3.741194904	-1.087482378	Down	1.08	6.33
	46831	1421			E-18	E-17	46831				E-17	E-17
Zdhhc 1	5.8150	2.34300	-1.311423835	Down	3.63	1.16	5.8150	2.736445361	-1.087482378	Down	8.46	2.37
	25139	7534			E-07	E-06	25139				E-06	E-05
Pex26	10.710	4.88165	-1.13356981	Down	1.28	7.34	10.710	5.040123425	-1.087482378	Down	4.51	2.56
	40732	9372			E-17	E-17	40732				E-17	E-16
Apba3	21.716	7.35842	-1.561322244	Down	8.07	7.14	21.716	10.23100866	-1.08584202	Down	4.80	2.85
	48193	1185			E-30	E-29	48193				E-18	E-17
MAS T1	1.8608	0.85180	-1.127377726	Down	5.98	0.00	1.8608	0.877287457	-1.084856909	Down	7.54	0.00
	71525	8322			E-05	0153	71525				E-05	0192
Asb7	8.3871	3.46947	-1.273455985	Down	2.43	9.10	8.3871	3.954721451	-1.084596987	Down	9.80	3.25
	05884	4311			E-09	E-09	05884				E-08	E-07
Fam6 4a	6.7006	1.30318	-2.362265252	Down	5.66	2.66	6.7006	3.163668287	-1.082705238	Down	3.46	9.14
	61734	1769			E-13	E-12	61734				E-05	E-05
Ypel2	8.5591	4.19937	-1.027295398	Down	6.68	2.26	8.5591	4.04512953	-1.081282562	Down	1.00	3.58
	55522	0456			E-08	E-07	55522				E-08	E-08
Zdhhc 7	33.455	15.6617	-1.095010344	Down	1.26	1.28	33.455	15.85392716	-1.077417923	Down	7.61	7.93
	84253	7614			E-35	E-34	84253				E-36	E-35
Akr1e 2	6.1041	2.25927	-1.433920657	Down	2.71	8.03	6.1041	2.894878641	-1.076276923	Down	0.00	0.00
	05056	3822			E-06	E-06	05056				0143	0356

											115	275
Papss	54.157	24.4808			1.74	2.67	54.157				5.99	8.70
1	55894	4763	-1.145509202	Down	E-54	E-53	55894	25.6848934	-1.076242627	Down	E-51	E-50
					1.80	2.01						
Npc2	650.83	308.562					650.83					
	30638	0787	-1.076726775	Down	E-30	E-30	30638	309.770159	-1.071089373	Down	0	0
					3	1						
Fbxl1	6.3872	3.03442			7.81	0.00	6.3872				6.11	0.00
6	97454	2549	-1.07378364	Down	E-05	0198	97454	3.0422745	-1.070055306	Down	E-05	0157
						21						451
Col5a	70.664	33.4888			1.15	5.12	70.664				1.26	5.49
1	66258	2983	-1.077308978	Down	E-14	E-14	66258	33.68046114	-1.069077052	Down	E-14	E-14
					6	5					9	8
					5.63	3.55					7.78	4.43
Rpl30	1034.4	472.396					1034.4					
	94404	1691	-1.130856671	Down	E-19	E-19	94404	493.0978683	-1.068979921	Down	E-18	E-18
					4	2					3	1
Hibch	9.8044	3.89977			2.32	9.30	9.8044				6.50	2.18
	08482	5513	-1.330039514	Down	E-10	E-10	08482	4.675118568	-1.068427638	Down	E-08	E-07
Tsr3	11.807	5.38556			2.49	8.73	11.807				6.50	2.18
	97791	0772	-1.132593449	Down	E-08	E-08	97791	5.630497433	-1.068427638	Down	E-08	E-07
Naga	37.334	15.6802			6.82	6.53	37.334				1.43	1.16
	7137	0913	-1.251572867	Down	E-33	E-32	7137	17.81625025	-1.067323941	Down	E-26	E-25
Aph1a	42.219	20.0304			1.40	1.36	42.219				3.15	3.13
	12773	507	-1.075701889	Down	E-33	E-32	12773	20.14764002	-1.067285912	Down	E-34	E-33
Ehbp1	23.414	11.3336			3.60	4.92	23.414				3.31	4.86
11	39789	328	-1.046785573	Down	E-48	E-47	39789	11.18314445	-1.066070041	Down	E-51	E-50
Hist2h	905.99	333.266			1.99	1.46	905.99	433.2004478	-1.064466527	Down	2.59	1.06



3c2	38523	6553			E-22	E-21	38523					E-14	E-13
					1	9						1	9
					2.35	9.70						1.39	5.87
Gnb2	236.98	113.665	-1.060018677	Down	E-14	E-13	236.98	113.8074766	-1.058211533	Down		E-14	E-14
	68276	0087			0	9	68276					4	3
					3.04	1.04						1.28	3.42
Prkcd	235.77	98.2708	-1.262599184	Down	E-12	E-11	235.77	113.2312495	-1.058162796	Down		E-93	E-92
bp	89568	7317			0	8	89568						
					7.10	2.01	5.9921					0.00	0.00
Zfp69	5.9921	2.43813	-1.297302727	Down	E-06	E-05	84385	2.881448553	-1.056287757	Down		0107	0270
1	84385	7163										694	793
					2.13	3.10	37.180					6.53	9.70
Nus1	37.180	17.7126	-1.069761558	Down	E-51	E-50	37962	17.89223074	-1.055208232	Down		E-52	E-51
	37962	4843											
Ankrd	3.8351	1.86517	-1.039965855	Down	E-05	E-05	42539	1.848105841	-1.053232816	Down		E-05	E-05
42	42539	9326											
Slc16a	16.756	6.18229	-1.438515231	Down	E-20	E-19	5918	8.074785974	-1.053232816	Down		E-13	E-13
13	5918	1182											
					0	0	1140.2					0	0
Nqo1	1140.2	438.769	-1.377798889	Down			37881	550.164088	-1.05140096	Down			
	37881	7427											
Ctnnbi	11.598	4.91515	-1.238690567	Down	E-15	E-14	98012	5.597315022	-1.051191106	Down		E-12	E-12
p1	98012	0135											
					2.56	1.46	17.909					7.85	4.39
Sc1t1	17.909	8.40249	-1.091849179	Down	E-17	E-16	67143	8.649841	-1.049993351	Down		E-17	E-16
	67143	5043											
Tmem	39.864	16.9394	-1.234717544	Down	E-54	E-53	54082	19.27139327	-1.048645173	Down		E-43	E-42
214	54082	6731											
Phtf1	29.979	12.4972	-1.26234403	Down	7.09	8.50	29.979	14.51700066	-1.046213165	Down		2.84	2.69

	08966	6627			E-42	E-41	08966					E-32	E-31
Tfrc	44.131	21.1247	-1.062888999	Down	2.87	6.23	44.131	21.41131188	-1.043451795	Down		1.94	4.32
	99567	752			E-78	E-77	99567					E-78	E-77
Itpr3	102.24	47.6977	-1.100002673	Down	0	0	102.24	49.69623539	-1.040786208	Down		0	0
	24761	1332					24761						
Stbd1	6.2419	1.61381	-1.95152789	Down	1.03	4.76	6.2419	3.034498302	-1.040546064	Down		7.34	2.07
	81483	6099			E-12	E-12	81483					E-06	E-05
Rps18	2689.1	1335.01	-1.01028089	Down	0	0	2689.1	1309.405671	-1.038229416	Down		0	0
	33818	9355					33818						
Rhobt	2.2596	0.80621	-1.486859623	Down	1.11	3.99	2.2596	1.104706298	-1.032441015	Down		1.38	3.77
b1	57118	9314			E-08	E-08	57118					E-05	E-05
Hm13	135.24	65.7280	-1.041029565	Down	1.22	2.32	135.24	66.15017164	-1.03179334	Down		7.77	1.50
	82704	2678			E-67	E-66	82704					E-69	E-67
Anapc	42.246	19.4599	-1.118327986	Down	3.60	4.76	42.246	20.67225426	-1.031142654	Down		6.95	8.31
2	69182	8217			E-46	E-45	69182					E-42	E-41
					7.60	2.40						6.06	1.84
Golga	51.741	24.2622	-1.092595254	Down	E-11	E-11	51.741	25.32205951	-1.030916816	Down		E-10	E-10
3	13006	9982			4	2	13006					7	5
Rabgg	81.083	40.1421	-1.014289397	Down	9.60	1.04	81.083	39.70581825	-1.030057238	Down		6.35	7.26
tb	46069	6056			E-38	E-36	46069					E-40	E-39
Mtg2	17.791	7.72200	-1.204134925	Down	5.47	2.69	17.791	8.748283507	-1.024110584	Down		2.15	8.99
	42989	5779			E-14	E-13	42989					E-11	E-11
Tomm	17.208	7.02240	-1.293084792	Down	1.55	5.90	17.208	8.47088705	-1.022536019	Down		3.85	1.21
40l	49557	0509			E-09	E-09	49557					E-07	E-06
Rps15	1286.1	624.634	-1.041986329	Down	1.94	1.24	1286.1	633.3314817	-1.022036788	Down		1.56	9.82
a	5943	0666			E-19	E-19	5943					E-19	E-19

					7	5						7	6
Myh9	4.9963	2.47541	-1.013220213	Down	4.57	2.26	4.9963					1.15	5.82
	96944	0666			E-14	E-13	96944	2.461585142	-1.021300457	Down		E-14	E-14
Col5a3	19.044	7.88310	-1.27255683	Down	9.62	1.55	19.044					3.78	4.53
	74266	5371			E-58	E-56	74266	9.383024224	-1.021267899	Down		E-42	E-41
Dcaf6	10.504	4.89565	-1.101432518	Down	2.59	1.30	10.504					4.54	2.10
	48456	1797			E-14	E-13	48456	5.197456355	-1.01512773	Down		E-13	E-12
Arhga	5.9205	2.72629	-1.11879774	Down	2.08	9.48	5.9205					5.09	2.09
p39	76022	1459			E-12	E-12	76022	2.93927059	-1.010279365	Down		E-11	E-10
Pex7	8.2794	3.93231	-1.074147177	Down	8.87	2.49	8.2794					1.79	4.84
	09395	9871			E-06	E-05	09395	4.115264361	-1.008542747	Down		E-05	E-05
Bnip3l	59.839	29.1860	-1.035826125	Down	3.45	6.65	59.839					2.77	5.24
	73263	2234			E-68	E-67	73263	29.76619063	-1.007429127	Down		E-67	E-66
Nradd	12.539	4.40243	-1.510156243	Down	1.76	6.22	12.539					3.59	9.45
	92956	3146			E-08	E-08	92956	6.263409409	-1.001509155	Down		E-05	E-05
Mt2A	970.35	401.868	-1.271783295	Down	1.00	5.97	970.35					1.63	5.88
	22255	9817			E-18	E-18	22255	484.7256456	-1.001340108	Down		E-12	E-12
Slc4a3	6.5206	2.68972	-1.277560383	Down	1	0						7	6
	74895	9159			E-14	E-13	74895	3.260293296	-1.000019537	Down		E-10	E-09

RBMEC: Rat brain microvascular endothelial cells; RBMEC\_NC indicates control group; RBMEC\_OGD-R indicates OGD/R group; RBMEC\_OGD\_inTLR4 indicates TAK-242+OGD/R group. FDR, false discovery rate.