

Categories:  
 ND=Neural development  
 AP=Apoptosis  
 CS=Cell survival/Cell Death  
 CN=Centrosome/cilia  
 GR=Global transcriptional regulators  
 AD=cell polarity/adhesion  
 GP=Growth and proliferation, cellular development,  
 cell morphology

Upregulated Genes

GeneID	FC	P Value	FDR	Category
Top2b	105.14	3.1085E-06	0.007642	ND, GR, GP
Kif4	30.67	1.7418E-14	2.49E-11	ND, CN
Metrn1	28.42	2.1014E-16	4.13E-13	
Spon1	15.63	1.1224E-16	2.52E-13	ND
Abcg1	11.06	3.2421E-11	3.64E-08	GP
Cxcl11	8.72	2.7918E-05	0.0047346	
Fzd2	8.52	4.4397E-08	2.41E-05	ND
Fam72a	7.78	0.00014272	0.0166332	AP, CS
Sirt7	7.27	2.9656E-18	1.01E-14	AP, GR
Sema3c	6.90	4.3524E-05	0.0066528	ND, CS
Coil	6.85	2.7966E-06	0.0007383	
Nfkbl	6.64	2.865E-10	2.82E-07	ND, CS
Fam71d	5.56	9.9341E-11	1.04E-07	
Sst	5.48	7.7761E-18	2.04E-14	ND, AP, CS
Pcbp2	4.81	2.2846E-24	1.80E-20	CS
Stat5f5	4.17	0.0004942	0.032013	ND
Cand1	3.99	0.00030707	0.0287589	GP
Dgk1	3.81	5.7558E-08	3.02E-05	
Plcg2	3.44	4.4952E-05	0.0067481	ND, CS
Map3k12	3.36	9.4342E-20	4.95E-16	ND, GP, CS
Tspan2	3.34	2.7402E-09	5.80E-06	
Lmo2	3.33	1.1881E-06	0.0003665	CS
Zfp772	3.31	0.00053759	0.0428055	
Sezf1	3.20	0.00054632	0.0431948	
Ctse	3.19	8.4928E-06	0.0017382	AP, CS
Ppat	3.08	1.9724E-12	2.59E-09	
Cttna1	2.91	3.6133E-08	2.03E-05	ND, CS
Adora3	2.89	7.1488E-05	0.0097808	AP, CS
Ndfip2	2.85	0.00010347	0.0129208	ND, AD
Bcl2a1d	2.80	0.00034932	0.031587	CS
Srgap2	2.78	3.6369E-07	0.0001547	ND
Samd14	2.66	0.00011821	0.0141982	
Tsta3	2.65	0.00050188	0.0412986	ND
Sic22a7	2.55	0.000625	0.047278	
Glytck	2.52	1.5938E-05	0.0009058	
Adipor1	2.48	5.9137E-07	0.0002215	AD
Kcnmb2	2.44	4.4675E-07	0.0001802	
Cyb5r1	2.40	3.0379E-09	2.52E-06	
Epha3	2.39	2.0713E-09	1.81E-06	AD, GP
Oca2	2.35	7.1754E-06	0.0013256	CS
Cost125	2.29	3.6539E-05	0.0059388	
Rassf8	2.29	1.2797E-08	9.15E-06	
Ryk	2.29	0.00051192	0.0427003	ND
Nat6	2.21	8.5196E-07	0.0002979	CS
Dnax13	2.16	2.0008E-07	9.17E-05	GP
Ma1	2.16	0.00053867	0.0420055	
Cdc129	2.10	2.031E-06	0.000581	
Cnga1	2.09	2.0292E-05	0.0036281	
Sult6b1	2.07	2.4704E-07	0.000108	
Cdk18	2.06	0.00042705	0.0359416	ND
Nkap1	2.06	6.1571E-06	0.0017112	
Fzd1	2.04	2.7708E-06	0.0007363	ND
Frem2	1.98	0.00019458	0.0207103	ND, AD
Ablim2	1.96	2.8078E-06	0.0007363	ND
H2-DMA	1.94	2.235E-08	1.40E-05	CS, AD
S1B	1.92	1.3708E-06	0.0004069	GP
Hif2	1.91	2.5345E-12	3.07E-09	ND, GP
Thtpa	1.88	2.3761E-06	0.0006559	GP
Enthd1	1.88	3.988E-06	0.0009507	
Tpm4	1.85	5.14E-07	0.0001973	CS
Wdrf1	1.81	3.6628E-06	0.0008886	
Pla2g12b	1.72	5.6195E-10	5.20E-07	AP, GP
Nts	1.69	6.7079E-05	0.0092581	CS
Irga4	1.68	2.0409E-07	9.17E-05	ND, CS, AD
Nar12	1.68	0.00067994	0.0496975	
Cnab5	1.66	0.00022072	0.0228472	
Carf14	1.65	4.3314E-05	0.0066528	GP
Secisbp2	1.65	6.8527E-06	0.0014975	GP
Ube2e2	1.64	0.00061625	0.0470684	GP
ErbB4	1.64	4.5738E-05	0.0067891	AD, GP
Hfn1	1.63	6.6331E-06	0.0014689	
Utp11l	1.59	9.0805E-07	0.0003106	
Faf1	1.57	3.0286E-06	0.0007642	AP, GP
Gjct1	1.56	5.6759E-05	0.0079737	AD
Dock3	1.56	5.3405E-06	0.0012541	ND, CS
Pisf-ps2	1.53	2.0075E-05	0.0006281	
Igf1	1.52	0.00016857	0.0189447	
Chd2	1.51	2.5219E-05	0.0044089	ND

Downregulated Genes

Gene ID	FC	P Value	FDR	Category
Cldn5	-1.52	1.4929E-05	0.0029362	AD, GP
Alca8b	-1.53	4.3552E-05	0.0066528	
Vsig4	-1.54	8.3339E-07	0.0002979	
Hbp1	-1.54	0.00059337	0.046218	GP
Svepl1	-1.55	2.6439E-05	0.0045714	
Cyp417	-1.65	8.0703E-08	3.94E-05	
Ints7	-1.67	0.00025085	0.024823	
Abi1	-1.69	3.0815E-06	0.0007642	AD, GP
Elac2	-1.71	0.00017755	0.0196734	ND
Plag7	-1.74	2.3185E-08	1.40E-05	
Rnf11	-1.76	9.8642E-05	0.0048458	CS
Dhx30	-1.87	3.2252E-18	1.01E-14	ND
Rassf1	-2.04	8.2589E-08	3.94E-05	
Msa4a	-2.14	0.00022516	0.0249357	
Apob	-2.27	1.8901E-05	0.0035403	CS
Gata2b	-2.32	3.7866E-09	2.98E-06	ND
Col15a1	-2.45	1.8787E-15	3.28E-12	
Mep1a	-2.71	1.3338E-05	0.0026579	CS
Tusc2	-2.95	3.7536E-07	0.0001554	AP
Agpr9	-3.13	2.5418E-08	1.48E-05	
Pcp4l1	-4.29	4.5003E-05	0.0057481	
Poc1a	-4.35	2.801E-57	4.41E-53	CN