

id	genes	score	focus genes	top functions
1	APAF1, ARPC4, BRD4, CCND3, CDC25B, CHD3, CHD4, CREB3, CTSW, DDR1, EEF2, EP300, ERBB2, GPI, HLA-DMA, HLA-DQA1, IRF3, LETMD1, LPIN1, MLL, MTA1, NCOA1, NRG1, PDPK1, PHB2, PRKCZ, RFC1, RUNX3, TAF1C, TNFRSF7, TNFRSF25, TP53, TRIM44, TXN, VIL2	58		Cellular Growth and Proliferation, Cell Death, Cell Cycle
2	ABL1, ATP1A1, BLK, CD36, CD72, CD81, CD3Z, CD79B, HLA-E, IGHM, IGKC, IKBKB, IL11RA, IL2RB, IRF1, LAX, LCK, LYN, MAP3K3, MAP4K1, PBP, PIK4CA, PLCG1, PLSCR1, PRKCB1, PTPN6, REL, SAMSN1, SNRP70, STAT3, SYK, TRADD, VDR, WNK1, ZAP70	58		Hematological System Development and Function, Immune and Lymphatic System Development and Function, Tissue Morphology
3	ALK, ATF3, ATF4, ATP2A3, BLR1, EVL, FAM38A, FRAP1, GABBR1, GZMB, HMGA1, IKBKB, IL9, IL13, IL4R, IRF4, IRS1, LTBP1, MSF, NFATC3, NKG7, NRG1, PRF1, PRKCA, PRKD2, PTPRF, S100A8, S100A9, SELP, SEPT7, SEPT11, TBX21, TNFRSF4, TNFRSF8, VIL2	15		Cellular Development, Cell Death, Immunological Disease
4	ANAPC2, ANAPC11, ARL7, ASXL1, ASXL2, CAP1, CBX2, CBX4, CCNB1, CCR7, CD34, CTCF, DALRD3, FUSIP1, GDF15, IDI1, IGHM, IL2, ITPR3, KIAA1713, KITLG, PCGF1, PDCD4, PHF19, PTEN, RBM14, RHAG, RING1, SBF1, SIPA1, SPTBN1, TGFB1, TGFB3, UBE2C, ZNF42	15		Cellular Growth and Proliferation, Immune Response, Immune and Lymphatic System Development and Function
5	AR, AREG, ARF5, ARF6, ARFIP2, C20orf14, CAB39, CARD4, CD44, CDC37, CDK9, ELK1, GRN, HRAS, IQSEC1, KIF23, KPNB1, LYK5, MRAS, NUP62, NUP214, NXF1, NXT1, RAN, RANBP5, RANBP9, RASGRP2, RASSF1, RASSF5, RP2, SLC9A1, STK10, STK11, TNPO1, USP11	15		Molecular Transport, Protein Trafficking, RNA Trafficking
6	ABHD5, ASAH1, BRE, C21orf33, CABIN1, CLASP1, DIABLO, ECGF1, FOSL1, GSPT1, HDAC1, HES1, KLF5, MEF2A, MEF2D, MHC2TA, MT2A, NRIP1, PDGFA, PEA15, PLIN, PML, PPARD, PRKCZ, RABEP2, RFP, RGS2, RGS16, SAP30, SF1, SLC2A4, SLC2A4RG, SP3, STAR, TNF	14		Gene Expression, Cellular Development, Connective Tissue Development and Function
7	ABLIM1, DVL1, ECHS1, EDG4, GCN1L1, GH1, GNAI2, GPSM3, GSK3B, ILK, ILKAP, LARP, MAP3K3, MAPKAPK2, MAPT, MARK2, NDE1, PARD3, PCNT2, PPFIBP1, PRDX1, RGS12, SH2B, TP53BP2, TRIM28, TSC1, TUBG1, UBE1L, YWHAB, YWHAE, YWHAG, YWHAH, YWHAQ, YWHAZ, ZFP36	14		Protein Trafficking, Cellular Assembly and Organization, Gene Expression

8	BIRC3, C13orf12, CASP5, CD84, CD244, CFTR, CX3CL1, CYB561, CYLN2, DDIT3, DDX23, ELAVL1, FCER2, FOXE1, IFNG, IL24, LOX, LY9, NFIC, NSEP1, PRPF8, RELA, REN, SH2D1A, SMNDC1, TAP1, TFEB, TNFRSF10B, TNFRSF6B, TNFSF12, TNFSF14, TNPO2, TPMT, TPO, TYRP1	12	13 Cancer, Cell Death, Gastrointestinal Disease
9	ADAM9, APP, CD72, CDK5, CLK2, CYP2E1, DCTN1, DOC-1R, ENO2, EPHA2, FOXO1A, FSHR, GRB2, HOXA5, ICAM3, IGF1, IGFBP1, IL6, ITGB3, KIF5A, KIF5B, KIF5C, KLC2, KNS2, LNK, MAPK1, MAPT, MOS, PHC1, PHKA2, PTPN1, RPS6KA3, SCAP2, SFRS3, SNRPA	12	Cellular Growth and Proliferation, Hepatic System 13 Development and Function, Cellular Compromise
10	ACP1, AFP, AHCYL1, BAT1, BTF3, CPT2, CSNK1A1, CSNK1G2, CTNNB1, CUGBP1, HMG2, HNRPU, HOXA9, ILF3, ING3, MAP4, MYC, NLK, PBX2, PBXIP1, PDGFRB, POLRMT, RANGAP1, RUVBL1, SDCBP, SENP3, SNRP70, SUMO1, SUMO2, TACC1, TCF7, TDG, TRRAP, TYMS, VHL	12	13 Cancer, Cell Morphology, Immunological Disease
11	ACSL1, APRT, ATR, CDKN1A, CDKN1B, CEBPA, COPS6, COPS8, COPS7A, COPS7B, CRADD, CTCF, CYP1B1, DF, E2F1, FGF7, G0S2, GAA, GPS2, H2AFX, HES1, HKR3, ICAM2, LIG1, MAP2K5, MCM3, MCM4, MCM5, PAX3, RPA2, SHOX, TCN2, TREX1, TRIM14, TYMS	12	DNA Replication, Recombination, and Repair, 13 Cancer, Cell Cycle
12	CARM1, CPSF1, CREBBP, CTSH, DHX9, DPF2, EGR2, ESRRA, EWSR1, FOS, FOSL2, KCNJ2, KPNA2, KPNA6, MAFG, NFE2, NMI, PELP1, POLR2A, POLR2C, PPARGC1A, RELB, RPS6KA3, SERPINE2, SFTPB, SMARCA4, SMARCE1, SPIB, SRCAP, SUPT5H, SUPT6H, TGFBR3, TGOLN2, TIMM22, TUBB	11	Gene Expression, Cancer, Skeletal and Muscular 12 Disorders
13	SNIP1, TOPORS	1	1 Cell Signaling
14	PILR-L, PILRB	1	1
15	ATXN7, CRX	1	Genetic Disorder, Ophthalmic Disease, Visual 1 System Development and Function
16	ME1, THRB	1	1 Auditory Disease, Cancer, Cell Cycle
17	RIPK1, TRIAD3	1	Cell Death, Embryonic Development, Dermatological 1 Diseases and Conditions
18	PRKCBP1, ZFYVE9	1	Post-Translational Modification, Cell Morphology, 1 Cellular Assembly and Organization
19	STX1A, SV2B, SYT1	1	Cellular Assembly and Organization, Cellular 1 Function and Maintenance, Molecular Transport
20	MLX, MONDOA, PLAG1	1	Gene Expression, Molecular Transport, Cell-To-Cell 1 Signaling and Interaction
21	CBFA2T2, CBFA2T3, RUNX1T1	1	Cellular Development, Hematological System Development and Function, Immune and Lymphatic 1 System Development and Function
22	DNAH11, DNAL4, TCTE3	1	Genetic Disorder, Respiratory Disease, Cellular 1 Function and Maintenance
23	APG4B, GABARAP, GABARAPL2	1	1 Protein Trafficking, Cancer, Gastrointestinal Disease

24	DLD, DLST, OGDH	1	Energy Production, Metabolic Disease, Genetic Disorder
25	IGHD, IGL@, IGLC1	1	1
26	DCPS, EXOSC3, EXOSC4	1	1 RNA Post-Transcriptional Modification
27	MAP1A, RFX3, RFX4	1	Embryonic Development, Auditory and Vestibular System Development and Function, Gene Expression
28	GPAA1, PIGK, PIGS, PIGT	1	1
29	AMFR, DIO2, PARK2, UBE2G2, UBE2J2	1	Protein Degradation, Protein Synthesis, Amino Acid Metabolism

CellGrowth and proliferation, cell death, cell cycle

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
TNFRSF25	8718	85030		219423_x_at	-1.94	1.85E-07
PDPK1	5170	18607	81745	204524_at	-2.73	8.77E-09
DDR1	780	12305	25678	207169_x_at	-1.72	1.67E-04
EP300	2033	328572	170915	213579_s_at	-1.97	6.16E-08
ARPC4	10093	68089		217817_at	-2.51	3.42E-06
ERBB2	2064	13866	24337	216836_s_at	-2.08	1.41E-04
EEF2	1938	13629	29565	200094_s_at	-1.53	2.22E-04
NRG1	3084	211323	112400	206343_s_at	2.442449733	6.16E-04
LPIN1	23175	14245		212274_at	-2.01	1.15E-04
PRKCZ	5590	18762	25522	202178_at	-1.65	1.61E-05
MLL	4297	214162	315606	212078_s_at	-1.78	9.49E-07
CDC25B	994	12531	171103	201853_s_at	-1.56	3.46E-05
RUNX3	864	12399	156726	204198_s_at	-1.93	1.52E-06
NCOA1	8648	17977	313929	210249_s_at	-1.6	5.37E-05
MTA1	9112	116870	64520	211783_s_at	-1.65	8.82E-06
TNFRSF7	939	21940	246340	206150_at	-1.67	1.47E-05
CREB3	10488	12913		209432_s_at	-1.65	7.22E-05
GPI	2821	14751	292804	208308_s_at	-1.6	1.66E-04
VIL2	7430	22350	54319	208622_s_at	-2.19	7.48E-05
HLA-DMA	3108	14998	294274	217478_s_at	-1.51	8.01E-04
TXN	7295	22166	116484	208864_s_at	2.634438054	5.77E-04
CHD4	1108	107932	117535	201184_s_at	-1.59	2.96E-04
TP53	7157	22059	24842	211300_s_at	-2.07	6.09E-04
TAF1C	9013	21341		203938_s_at	-2.35	4.95E-04
BRD4	23476	57261		202102_s_at	-1.64	5.26E-05
APAF1	317	11783	78963	204859_s_at	1.514070082	2.57E-04
TRIM44	54765	80985		217759_at	-1.52	9.59E-04
PHB2	11331	12034	114766	201600_at	-1.54	2.22E-06
IRF3	3661	54131	292892	202621_at	-1.62	3.61E-04
CTSW	1521	13041		214450_at	-1.63	4.64E-04
LETMD1	25875	68614	363003	207170_s_at	-1.58	1.48E-05
CHD3	1107	216848		208806_at	-1.6	1.68E-05
HLA-DQA1	3117	14960	309621	212671_s_at	-2	4.49E-04
RFC1	5981	19687	89809	208021_s_at	-1.53	5.05E-04
CCND3	896	12445	25193	201700_at	-1.56	2.99E-05

Hemat sytem dev and func, Immune system dev and func, tissue morphology

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
CD81	975	12520	25621	200675_at	-1.77	2.92E-05
PBP	5037	23980	29542	211941_s_at	-1.55	7.29E-05
CD79B	974	15985	171055	205297_s_at	-1.55	4.31E-04
LCK	3932	16818	313050	204891_s_at	-1.71	5.37E-06
LYN	4067	17096	81515	202626_s_at	1.592825135	3.75E-04
CD72	971	12517		215925_s_at	-1.76	3.78E-04
IL11RA	3590	1615716158	245983	204773_at	-1.6	1.80E-04
STAT3	6774	20848	25125	208991_at	-1.71	3.12E-05
LAX	54900	240754		207734_at	-1.65	3.44E-06
PTPN6	5777	15170	116689	206687_s_at	-1.6	9.83E-05
SAMSN1	64092	67742	170637	220330_s_at	2.080979792	6.67E-04
ATP1A1	476	11928	24211	220948_s_at	-1.71	8.96E-05
TRADD	8717	71609	246756	1729_at	-1.77	3.49E-04
CD36	948	12491	29184	209555_s_at	1.850873424	3.96E-05
IL2RB	3560	16185	25746	205291_at	-1.78	3.16E-04
PLSCR1	5359	22038	117540	202430_s_at	1.66901735	7.09E-04
PLCG1	5335	18803	25738	202789_at	-1.73	5.58E-05
REL	5966	19696	305584	206036_s_at	-1.67	3.04E-05
ZAP70	7535	22637	301348	214032_at	-1.81	4.26E-07
PIK4CA	5297	224020	64161	213408_s_at	-1.73	6.87E-07
BLK	640	12143		206255_at	-3.63	1.23E-07
PRKCB1	5579	18751	25023	209685_s_at	-1.56	6.73E-07
IGHM	3507	16019		212827_at	-2.11	3.27E-07

HLA-E	3133	1500615040	294228	200905_x_at	-1.56	3.40E-08
IKBKB	3551	16150	84351	209342_s_at	-1.58	1.25E-04
ABL1	25	11350	311860	202123_s_at	-1.51	2.62E-04
VDR	7421	22337	24873	204255_s_at	-1.67	1.54E-05
SNRP70	6625	20637	361574	201221_s_at	-1.53	9.22E-06
MAP3K3	4215	26406		203514_at	-3.66	2.57E-08
IRF1	3659	16362	24508	202531_at	-1.53	1.33E-05
MAP4K1	11184	26411		214339_s_at	-1.83	3.13E-06
SYK	6850	20963	25155	207540_s_at	-1.88	3.42E-05
CD3Z	919	12503	25300	210031_at	-1.96	6.47E-07
IGKC	3514	16071	24491	221671_x_at	-1.94	7.65E-06
WNK1	65125	232341	116477	216022_at	3.014486213	1.28E-05

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
IRF4	3662	16364				
MSF	10801	53860		83788 208657_s_at	-1.73	7.44E-04
S100A9	6280	20202		94195		
SELP	6403	20344		25651		
FRAP1	2475	56717		56718		
FAM38A	9780			202771_at	-1.87	1.63E-04
	7-Sep	989	235072	64551		
NRG1	3084	211323		112400 206343_s_at	2.44244973	6.16E-04
PRKCA	5578	18750		24680		
BLR1	643	12145		29363 206126_at	-1.73	6.64E-04
IL9	3578	16198		116558		
	11-Sep	55752	52398			
TNFRSF4	7293	22163		25572		
EVL	51466	14026		79115 217838_s_at	-1.61	1.52E-06
NKG7	4818	72310		171062 213915_at	-1.76	7.29E-04
PRF1	5551	18646		50669 214617_at	-1.81	1.11E-05
IL4R	3566	16190		25084		
S100A8	6279	20201		116547 214370_at	2.62114707	5.69E-05
TBX21	30009	57765		220684_at	-1.59	2.04E-05
VIL2	7430	22350		54319 208622_s_at	-2.19	7.48E-05
ATF3	467	11910		25389		
LTBP1	4052	268977		59107		
ATF4	468	11911		79255		
IKBKB	3551	16150		84351 209342_s_at	-1.58	1.25E-04
IL13	3596	16163		116553		
NFATC3	4775	18021		307803 210555_s_at	-1.7	4.91E-04
GABBR1	2550	54393		81657 203146_s_at	-1.69	9.23E-05
ALK	238	11682		266802		
TNFRSF8	943	21941		25069		
IRS1	3667	16367		25467		
PTPRF	5792	19268		360406		
ATP2A3	489	53313		25391 213036_x_at	-2.55	1.16E-05
PRKD2	25865	101540		209282_at	-1.72	5.52E-05
HMGA1	3159	15361		117062		
GZMB	3002	14939		171528		

Cellular growth, Immune response

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
CAP1	10487	12331	64185	213798_s_at	-1.71	1.34E-08
ANAPC11	51529	66156				
SIPA1	6494	20469	361710	204164_at	-1.65	8.19E-04
KITLG	4254	17311	2,930,360,427			
KIAA1713	80816	211961				
ARL7	10123	320982		202208_s_at	-2.08	9.37E-09
FUSIP1	10772	14105		213594_x_at	-1.6	3.34E-06
ASXL2	55252	75302		218659_at	1.784330195	2.08E-08
CCNB1	891	268697	25203			
IDI1	3422	319554	89784			
CCR7	1236	12775	287673			
ZNF42	7593	109889		204139_x_at	-1.95	4.95E-04
TGFB1	7040	21803	59086			
PDCD4	27250	18569	64031			
SBF1	6305	77980		39835_at	-1.79	9.52E-04
PCGF1	84759	69837	312480			
UBE2C	11065	68612	296368			
DALRD3	55152	67789		221934_s_at	-1.6	2.88E-05
PTEN	5728	19211	50557			
IL2	3558	16183	116562			
IGHM	3507	16019		212827_at	-2.11	3.27E-07
GDF15	9518	23886	29455			
CBX4	8535	12418				
PHF19	26147	74016				
RHAG	6005	19743	65207	206145_at	1.81157862	6.98E-04
ITPR3	3710	16440	25679	201189_s_at	-2.01	9.06E-05
RBM14	10432	56275	170900	204178_s_at	-2	8.61E-05
TGFBR3	7049	21814	29610	204731_at	-1.97	4.72E-05
CTCF	10664	13018	83726			
RING1	6015	19763	309626			
CBX2	84733	12416				
ANAPC2	29882	99152		218555_at	-1.69	8.36E-04
ASXL1	171023	228790				
CD34	947	12490	305081			

SPTBN1

6711

20742

305614 212071_s_at

-1.57

1.02E-04

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
KIF23	9493	71819	315740			
TNPO1	3842	238799		221829_s_at	1.590034071	4.35E-04
NXF1	10482	53319	59087	208922_s_at	-1.56	9.52E-06
C20orf14	24148	68879		208880_s_at	-1.63	1.77E-04
NXT1	29107	56488				
GRN	2896	14824	29143			
IQSEC1	9922	232227		203906_at	-1.63	2.28E-04
SLC9A1	6548	20544	24782			
MRAS	22808	17532	25482			
AR	367	11835	24208			
CD44	960	12505	25406			
RP2	6102	19889		205191_at	1.752384081	4.35E-05
NUP214	8021	104,100,227,720	296634			
RASSF1	11186	56289	363140	204346_s_at	-1.77	7.99E-07
RANBP9	10048	56705				
RASGRP2	10235	19395		208206_s_at	-1.8	1.61E-05
ARFIP2	23647	76932	293344	202109_at	-1.5	1.62E-04
CARD4	10392	107607		221073_s_at	-1.58	4.41E-05
RANBP5	3843	70572	306182			
ARF6	382	11845	79121	214182_at	2.228755342	2.60E-04
USP11	8237	236733	408217	208723_at	-1.89	3.38E-08
AREG	374	11839	29183			
STK10	6793	20868	29398	40420_at	-1.59	2.55E-05
LYK5	92335	72149	303605	221554_at	-1.77	2.32E-04
ARF5	381	11844	79117			
KPNB1	3837	16211	24917			
CDC37	11140	12539	114562			
STK11	6794	20869	314621			
HRAS	3265	15461	293621			
NUP62	23636	18226	65274	207740_s_at	-2.74	2.30E-10
ELK1	2002	13712				
CAB39	51719	12283	301574			
CDK9	1025	107951	362110	203198_at	-1.87	1.03E-04
RAN	5901	19384	84509			
RASSF5	83593	54354	54355			

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
MT2A	4502	17750				
SLC2A4RG	56731	170753		218494_s_at	-1.87	1.18E-04
CLASP1	23332	76707		212752_at	-1.53	2.77E-04
CABIN1	23523	104248		94165 37652_at	-1.51	9.91E-04
ASAH1	427	11886		84431 213902_at	1.55091075	3.20E-04
C21orf33	8209	28295	24,339,294,326	202217_at	-1.55	2.80E-06
MEF2A	4205	17258				
SP3	6670	20687		25161		
HES1	3280	15205		29577		
PRKCZ	5590	18762		25522 202178_at	-1.65	1.61E-05
KLF5	688	12224		84410		
RGS2	5997	19735		84583		
MHC2TA	4261	12265		85483		
RABEP2	79874	70314		80754 74694_s_at	-1.63	3.57E-06
RGS16	6004	19734		25535		
PEA15	8682	18611				
PDGFA	5154	18590		25266		
FOSL1	8061	14283		25445		
SF1	7536	22668		117855 208313_s_at	-1.79	1.45E-06
HDAC1	3065	15181		84576		
GSPT1	2935	14852		24420 215438_x_at	2.176301792	7.91E-04
STAR	6770	20845		25557		
DIABLO	56616	66593				
ABHD5	51099	67469		316122 213805_at	2.118809251	4.98E-04
PLIN	5346	103968		25629		
SLC2A4	6517	20528		25139		
PPARD	5467	19015		25682		
ECGF1	1890	72962		217497_at	-2.43	5.13E-06
RFP	5987	19720		212118_at	-1.52	2.67E-04
BRE	9577	107976		362704 212645_x_at	-1.64	1.15E-04
TNF	7124	21926		24835		
MEF2D	4209	17261		81518		
SAP30	8819	60406				
PML	5371	18854				
NRIP1	8204	268903		202600_s_at	1.760374901	5.33E-04

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
YWHAG	7532	22628	56010			
PCNT2	5116	18541		203660_s_at	-1.5	2.82E-04
GSK3B	2932	56637	84027			
UBE1L	7318	74153		203281_s_at	-1.62	4.25E-04
LARP	23367	73158		212193_s_at	-2.68	1.74E-07
ABLIM1	3983	226251	307989	210461_s_at	-1.92	1.02E-04
GNAI2	2771	14678	81664	201040_at	-2.29	2.54E-06
NDE1	54820	67203	83836			
ZFP36	7538	22695	79426			
TUBG1	7283	103733	252921			
ILK	3611	16202	170922			
ECHS1	1892	93747	140547	201135_at	-1.5	1.52E-04
MARK2	2011	13728	60328	203942_s_at	-4.63	4.47E-06
PARD3	56288	93742	81918			
DVL1	1855	13542	83721			
TRIM28	10155	21849	116698	200990_at	-1.8	1.01E-04
YWHAQ	10971	22630	25577			
RGS12	6002	71729	54292			
YWHAH	7533	22629	25576			
PRDX1	5052	18477	117254			
MAP3K3	4215	26406		203514_at	-3.66	2.57E-08
MAPT	4137	17762	29477			
GH1	2688	14599	24391			
GPSM3	63940	106512		204265_s_at	-1.76	4.64E-04
YWHA E	7531	22627	29753			
MAPKAPK2	9261	17164	289014			
YWHA Z	7534	22631	25578			
YWHAB	7529	54401	56011			
TSC1	7248	64930	60445			
SH2B	25970	20399	89817			
ILKAP	80895	67444	64538	221548_s_at	-1.57	3.43E-05
PPFIBP1	8496	67533		203735_x_at	2.165094969	8.16E-04
TP53BP2	7159	209456				
EDG4	9170	53978	361131	206722_s_at	-1.59	2.50E-04
GCN1L1	10985	231659	304538	212139_at	-1.59	3.16E-06

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
NSEP1	4904	22608	29206			
NFIC	4782	18029	29228	206929_s_at	-2.29	1.51E-04
PRPF8	10594	192159		200000_s_at	-1.54	1.08E-04
BIRC3	330	11797	78971			
TYRP1	7306	22178	298182			
SH2D1A	4068	20400	58929			
TNFSF14	8740	50930		207907_at	-1.77	5.56E-06
RELA	5970	19697	309165			
LY9	4063	17085		215967_s_at	-1.57	6.53E-05
CD244	51744	18106	64025			
TPO	7173	22018	54314			
CYLN2	7461	269713	29264	211031_s_at	-2.29	2.68E-04
TNFRSF10B	8795	21933	364420			
TPMT	7172	22017	83497	203672_x_at	1.717112435	7.83E-04
SMNDC1	10285	76479				
CASP5	838			207500_at	1.633505685	8.22E-04
TNFSF12	8742	21944	360548			
ELAVL1	1994	15568	114013			
LOX	4015	16948	24914			
DDIT3	1649	13198	29467			
TAP1	6890	21354	24811			
FOXE1	2304	110805	192274			
TFEB	7942	21425		221866_at	-1.63	3.90E-04
REN	5972	1,970,119,702	24715			
CFTR	1080	12638	24255			
DDX23	9416	74351		201440_at	-2.15	1.72E-04
TNFRSF6B	8771					
TNPO2	30000	212999		221506_s_at	-1.68	3.67E-06
FCER2	2208	14128	171075			
IL24	11009	93672	170819			
CYB561	1534	13056	303601	209163_at	-1.58	2.77E-04
IFNG	3458	15978	25712			
CD84	8832	12523		205988_at	-1.54	1.40E-05
CX3CL1	6376	20312	89808			
C13orf12	51371	66537		217769_s_at	1.647687867	3.13E-04

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
GRB2	2885	14784	81504			
KLC2	64837	16594	309159			
MOS	4342	17451	24559			
EPHA2	1969	13836	366492			
CD72	971	12517		215925_s_at	-1.76	3.78E-04
CYP2E1	1571	13106	25086			
PHC1	1911	13619		218338_at	-2.08	6.39E-05
SFRS3	6428	20383				
KIF5A	3798	16572	314906			
APP	351	11820	54226			
KNS2	3831	16593	171041			
KIF5C	3800	16574				
FSHR	2492	14309	25449	211201_at	2.086924539	6.12E-04
IGF1	3479	16000	24482			
PTPN1	5770	19246	24697			
IL6	3569	16193	24498			
SNRPA	6626	53607		201770_at	-1.7	4.67E-06
DCTN1	1639	13191	29167	201082_s_at	-1.68	4.39E-04
ADAM9	8754	11502	57024	202381_at	1.835355529	5.53E-04
LNK	10019	16923	58838			
ITGB3	3690	16416	29302			
CLK2	1196	12748		203229_s_at	-1.67	1.26E-05
FOXO1A	2308	56458	84482	202723_s_at	-2.7	3.06E-08
PHKA2	5256	110094	25189	209439_s_at	-1.51	3.10E-05
MAPK1	5594	26413	116590			
KIF5B	3799	16573	117550	201991_s_at	1.670412593	2.51E-06
DOC-1R	10263	52004		203252_at	-1.69	2.03E-05
MAPT	4137	17762	29477			
RPS6KA3	6197	110651	363468			
IGFBP1	3484	16006	25685			
CDK5	1020	12568	140908			
ENO2	2026	13807	24334	201313_at	-1.6	3.67E-04
ICAM3	3385	107628				
HOXA5	3202	15402	79241			
SCAP2	8935	54353	155183	216899_s_at	-1.78	5.56E-04

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
TYMS	7298	22171	29261			
BTF3	689	218490		214800_x_at	1.886764471	5.34E-04
PDGFRB	5159	18596	24629			
CUGBP1	10658	13046		209489_at	-1.64	2.53E-05
TDG	6996	21665	114521			
HNRPU	3192	51810	117280			
TCF7	6932	21414		205254_x_at	-2.01	2.83E-05
TACC1	6867	320165	306562	217437_s_at	-1.78	7.87E-06
CSNK1A1	1452	93687	113927			
VHL	7428	22346	24874			
SENP3	26168	80886		203871_at	-2.6	3.80E-06
ING3	54556	71777		205070_at	1.601416567	4.14E-04
RUVBL1	8607	56505	65137			
AFP	174	11576	24177			
MYC	4609	17869	24577			
SDCBP	6386	53378	83841			
MAP4	4134	17758	367171			
AHCYL1	10768	229709				
CTNNB1	1499	12387	84,353,252,926			
HMG2	3151	15331	114637			
ACP1	52	11431	24161			
PBX2	5089	18515	406164			
RANGAP1	5905	19387	362965			
SUMO2	6613	170930	171127			
ILF3	3609	16201	84472	217804_s_at	-2.06	3.50E-07
SNRP70	6625	20637	361574	201221_s_at	-1.53	9.22E-06
CSNK1G2	1455	103236	65278	202574_s_at	-2	8.08E-05
POLRMT	5442	216151		203782_s_at	-1.68	1.28E-05
TRRAP	8295	100683	288471			
PBXIP1	57326	229534		212259_s_at	-2.29	8.30E-05
HOXA9	3205	15405	297099			
SUMO1	7341	22218	301442			
BAT1	7919	53817	114612	200041_s_at	-1.67	3.36E-05
NLK	51701	18099	363647			
CPT2	1376	12896	25413	204263_s_at	-3.56	1.56E-06

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
TYMS	7298	22171	29261			
DF	1675	11537	54249			
SHOX	6473					
CEBPA	1050	12606	24252			
LIG1	3978	16881	81513	202726_at	-1.74	9.25E-04
CDKN1A	1026	12575	114851			
FGF7	2252	14178	29348			
TREX1	11277	22040		205875_s_at	-2.11	4.26E-04
HES1	3280	15205	29577			
MAP2K5	5607	23938	29568	204756_at	-2.54	4.01E-04
TCN2	6948	21452	64365			
CRADD	8738	12905				
COPS6	10980	26893				
TRIM14	9830	74735		203147_s_at	-1.87	2.36E-04
APRT	353	11821		203219_s_at	-1.53	3.45E-05
ICAM2	3384	15896	360647			
ATR	545	245000	300942			
GAA	2548	14387	367562	202812_at	-1.78	1.87E-04
GPS2	2874	56310				
MCM3	4172	17215	316273			
COPS8	10920	108679				
MCM4	4173	17217	29,728,310,429			
COPS7A	50813	26894				
CDKN1B	1027	12576	83571			
CYP1B1	1545	13078	25426	202437_s_at	2.277312154	4.68E-04
RPA2	6118	19891	59102			
CTCF	10664	13018	83726			
HKR3	3104	100090		205025_at	-1.88	7.13E-04
H2AFX	3014	15270	300668	205436_s_at	-1.8	5.25E-05
G0S2	50486	14373		213524_s_at	1.75226866	7.27E-05
MCM5	4174	17218	291885	201755_at	-1.77	4.65E-04
PAX3	5077	18505	114502			
COPS7B	64708	26895		219997_s_at	-1.59	9.85E-06
ACSL1	2180	14081	25288	201963_at	1.740457922	9.76E-04
E2F1	1869	13555	399489			

Gene Symbol	Entrez Gene ID for Human	Entrez Gene ID for Mouse	Entrez Gene ID for Rat	Affymetrix	Fold Change	p-value
SMARCE1	6605	57376	303518			
SFTPB	6439	20388	192155			
SMARCA4	6597	20586	171379			
FOSL2	2355	14284	25446			
DHX9	1660	13211				
TIMM22	29928	56322	79463	219184_x_at	-2.46	8.38E-09
PPARGC1A	10891	19017	83516			
TUBB	203068	22154	29214	209026_x_at	-1.54	1.53E-04
EWSR1	2130	14030	289752			
SERPINE2	5270	20720	29366			
KPNA2	3838	16647	85245			
FOS	2353	14281	24,371,314,322			
MAFG	4097	17134	64188	204970_s_at	-1.74	5.20E-04
DPF2	5977	19708		202116_at	-1.69	3.12E-04
CTSH	1512	13036	25425			
CARM1	10498	59035				
NMI	9111	64685				
SRCAP	10847	338353		212275_s_at	-1.67	3.01E-04
CREBBP	1387	12914	54244			
POLR2A	5430	20020	363633			
NFE2	4778	18022				
SUPT5H	6829	20924	308472			
RPS6KA3	6197	110651	363468			
TGFBR3	7049	21814	29610	204731_at	-1.97	4.72E-05
EGR2	1959	13654	114090			
SUPT6H	6830	20926		208420_x_at	-1.53	9.12E-04
TGOLN2	10618	22135	192152	212040_at	-1.76	6.18E-05
ESRRA	2101	26379	293701			
KPNA6	23633	16650		212103_at	-2.19	4.86E-06
KCNJ2	3759	16518	29712	206765_at	1.635168355	3.11E-05
RELB	5971	19698	365510			
SPIB	6689	272382		205861_at	-1.71	3.44E-04
PELP1	27043	75273				
CPSF1	29894	94230	366952	201639_s_at	-1.88	2.65E-06
POLR2C	5432	20021	361365			