

Table S1. DNA probe and primers utilized for real time PCR analysis. Genbank numbers corresponding to elements on U95A Affymetrix arrays and utilized in design of real time PCR probe and primers are shown in the first column. Subsequent columns show sequences of fluorescently labeled DNA probes and DNA primers designed utilizing the Primer Express™ program and synthesized by Applied Biosystems.

Supplemental Table 1
Probe and Primer Sequences Utilized for qRT-PCR Analysis

Gene Name	Accession #	Forward Primer	Reverse Primer	Probe
Amphiregulin	NM_001657	ACTCGGCTCAGGCCATTATG	CCAGAAAATGGTTCACGCTTC	TGCTGGATTGGACCTCAATGACACCTACT
BRCA1	U14680	TGTGAGGCACCTGTGGTGA	CAGTCTCTGGCACTGGTAGAG	CCGAGAGTGGGTGTTGGACAGTGTAGC
BRCA2	U43746	CGAAGATTGTTTATGCATCATGTTT	GCGGTAAAATTTGGATTCTGTATCTC	CTGTGTACCCTTTCGCACAACCTAAGGAACGTC AAG
BUB1	AF046078	GAGACATCCCATGAGGATCTGC	CCTACACTTGGCCCCATACG	CCCAGGAAAAGGTCCGAGGTTAATCCA
cdc2	NM_001786	AATCTATGATCCAGCCAAACGAA	TTCTTAATCTGATT GTCCAATCATTAAA	TTCTGGCAAATGGCACTGAATCATCCATA
c-fos ¹	PDAR Cat# 4318292M			
c-jun ¹	PDAR Cat# 4318299M			
c-myc	V00568	TCCCTCCACTCGGAAGGACT	GCATTTTCGGTTGTTGCTGA	TCCTGCTGCCAAGAGGGTCAAGTTG
COX-2	NM_000963	GAATCATTACCAGGCCAAATTG	TCTGTACTGCGGGTGGAACA	TGGCAGGGTTGCTGGTGGTAGGA
CyclinD ¹	PDAR Cat# 4318323M			
DUSP5	NM_004419	TGACCCACCTACACTACAAATGGA	CTTCTTGAAAGTGGGAGCTAATGTC	CCCTGTGGAAGACAGCCACACGG
EGF	NM_001963	GAA GCC CCA TTC TCT CCT ATC AG	GTC AGC TCC ATT TGG TGT GGT	TAA CCC ATT ATG GCA ACA AAG GGC CC
EGFR	X00663	GCGTCTCTTGCCGGAATGT	GGCTCACCTCCAGAAGCTT	CCGAGGCAGGGAATGCGTGG
Epiregulin	NM_001432	TGCATGGACAGTGCATCTATCTG	AGTGTTCACATCGGACACCAGTA	TGGACATGAGTCAAACCTACTGCAGGTGTGA
ErbB2 ²	Hs00170433_m1			
ErbB3	NM_001982	ACGGTTATGTCATGCCAGATACA	GAAGTACAGCCACTGAAGAAAGG	CCTCAAAGGTACTCCCTCCTCCCGG
ErbB4	L07868	AAC AAT GTG ACG GCA GAT GCT A	TAG GTC CTG AGC AGC CTC CA	TTA CGT CAG TGA CTG CTG CCA TCG AGA
GADD45	L24498	CGACCTGCAGTTTGCAATATGA	GCATCCCCACCTTATCCAT	TCTCGGCTGGAGAGCAGAAGACCG
HB-EGF	M60278/NM_001945	GGACCTTTTGAGAGTCACTTTATCCT	TCCCCTGCTCCTCCTTGT	AAGCCACAAGCACTGGCCACACC
JUNB	NM_002229	TGGTGGCCTCTCTACACGA	GGGTGGCCAGGTTGAC	ACAACTCCTGAAACCGAGCCTGGC
MKP-1 ¹	PDAR Cat # 4319443F			
p21	NM_078467/NM_000389	TGGAGACTCTCAGGGTCGAAA	GGCGTTTGGAGTGGTAGAAATC	CGGCGGCAGACCAGCATGAC
p53	X02469	TTCCTGAAAACAACGTTCTGTCC	TCTGGACCTGGGTCTTCAAGTAA	TGCCGTCCCAAGCAATGGATGATT
PHRP	J03580/M17183	TGTCTGACACCTCCACAACGTC	GGAAAGTCTCTGCTGAAAATTTCA	CTGGAGCTCGATTACCGGAGGCA
Rabbit MEK1 EE	Z30163	ACGAGATGGCCAACGAATTC	AGTAGTGTGTCCCCTGGAGTCTCT	TGGGCACCAGGTCTTATATGTCGCC
S9 Control	NM_001013	GGCTCCGGAACAAACGTG	GCGGCCTTGGGATCT	TCTGGAGGGTCAAATTTACCCTGGCC
TGFa	NM_003236	CCTGGCTGTCTTATCATCACA	GGGCGCTGGGCTTCTC	ATACACTGCTGCCAGGTCCGAAAACACT
VEGF ²	Hs00173626_m1			

¹Predeveloped Assay Reagents (PE AppliedBiosystems)

²Assays-on-Demand (PE AppliedBiosystems)

Table S2. Real time PCR analysis of a subset of genes differentially regulated by MEK1 EE. mRNA abundance in rAd MEK1EE infected cells relative to LacZ infected MCF-12A cells is shown for the time points indicated. Genbank accession numbers corresponding to elements on the U95A array and those utilized in qRT-PCR probe/primer design are indicated for each gene analyzed. Positive numbers and negative numbers indicate fold up and down regulation, respectively.

Supplemental Table 2

qRT PCR Analysis of a Subset of Genes Differentially Regulated by MEK1¹

Gene	Accession # ²		0h	4h	6h	8h	12h	16h	24h
Amphiregulin	NM_001657	Taqman	1.1	-1.4	2.1	1.9	4.0	8.0	17.1
	M30704	Array	1.0	1.0	2.0	1.0	2.0	4.0	11.0
BRCA1	U14680	Taqman	1.1	-2.0	1.0	2.1	5.3	12.1	13.0
	L78833	Array	1.0	0.3	0.8	2.0	23.0	4.7	6.6
BRCA2	U43746	Taqman	1.0	-2.1	1.4	2.8	4.6	15.2	16.9
	U43746	Array	0.4	1.0	1.6	0.8	1.6	3.2	6.7
BUB1	AF046078	Taqman	1.1	1.3	-1.1	2.0	6.1	7.4	14.9
	AF053305	Array	1.2	0.3	0.2	2.1	2.2	7.2	7.6
cdc2	NM_001786	Taqman	1.1	1.1	1.2	1.6	5.2	10.3	9.7
	X05360	Array	0.7	1.1	1.6	1.8	2.8	2.8	4.6
c-fos	PDAR	Taqman	1.1	-1.1	2.8	2.8	6.3	4.1	5.8
	V01512	Array	1.1	1.6	2.9	4.7	7.1	6.4	5.1
c-jun	PDAR	Taqman	1.5	-1.3	-1.3	-1.2	1.4	2.0	2.0
	J04111	Array	1.0	0.7	0.9	1.2	1.3	1.2	1.2
c-myc	V00568	Taqman	1.4	1.4	3.3	2.6	2.3	2.6	5.3
	V00568	Array	0.9	1.2	2.5	2.1	1.6	1.9	3.6
COX-2	NM_000963	Taqman	-1.1	-1.1	-1.2	1.3	7	19.7	97
	U04636	Array	1.7	-1.6	1.8	14.3	3.1	4.5	4.3
CyclinD	PDAR	Taqman	4.0	2.1	4.3	3.6	2.4	8.3	3.0
	M64349	Array	1.0	1.5	0.7	2.1	1.8	1.2	1.4
DUSP5	NM_004419	Taqman	1.3	-1.1	6.1	5.6	7.4	9.8	36.7
	U15932	Array	1.0	0.9	4.1	4.3	3.2	4.9	24.0
EGF	NM_001963	Taqman	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	X04571	Array	ND	ND	ND	ND	ND	ND	ND
EGFR	X00663	Taqman	1.1	1.2	1.3	1.0	1.6	2.1	2.2
	X00588	Array	1.6	0.8	1.7	0.4	1.1	0.9	1.3
Epiregulin	NM_001432	Taqman	-1.5	-1.3	4.2	4.6	4.6	8.1	46.5
	D30783	Array	0.6	2.1	5.3	13.1	11.1	3.2	13.6
ErbB2	NM_004448	Taqman	-1.5	1.2	-1.5	-1.6	-1.3	-1.1	-2.3
	M11730	Array	ND	ND	ND	ND	ND	ND	ND
ErbB3	NM_001982	Taqman	-1.8	1.1	1.4	-1.6	-1.3	-1.4	-1.7
	M34309	Array	-0.9	-1.3	-3.2	-2.0	-1.7	-2.3	-2.3
	M34309	Array	-1.0	-1.6	-1.4	-2.3	-1.7	-5.1	-1.5
ErbB4	L07868	Taqman	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	L07868	Array	ND	ND	ND	ND	ND	ND	ND
GADD45 α	L24498	Taqman	1.5	-1.2	2.0	2.5	1.4	2.4	8.3
	M602974	Array	1.2	1.1	-1.2	2.1	1.5	1.6	4.5
HB-EGF	M60278	Taqman	-1.1	-1.0	3.2	4.2	3.4	6.9	45.2
	M60278	Array	1.3	1.5	2.7	1.8	2.3	2.8	33.8
JUNB	NM_002229	Taqman	1.2	1.7	2.5	1.1	1.9	2.7	4.3
	M29039	Array	1.3	0.9	2.4	1.5	1.4	0.7	3.0
MKP1	PDAR	Taqman	2.2	1.0	1.7	-1.2	1.5	2.0	3.4
	X68277	Array	1.3	1.1	2.4	0.9	1.0	0.9	2.0
p-21	NM_078467/NM_00389	Taqman	1.1	-1.0	-1.6	-3.2	1.5	1.3	1.2
	U03106	Array	1.0	-1.2	-1.4	-2.8	-2.1	-1.5	-1.2
p-53	X02469	Taqman	1.1	1.7	1.3	-1.3	1.1	1.0	1.0
	X02469	Array	1.4	0.9	0.8	1.0	0.9	0.8	1.0
PHRP	M24351	Taqman	1.1	-1.3	2.6	6.1	17.1	21.1	90.5
	M24351	Array	0.7	0.5	0.9	2.6	3.9	2.8	6.1
TGFa	NM_003236	Taqman	1.1	1.1	2.8	6.1	4.9	9.8	9.8
	X70340	Array	1.0	1.0	2.0	4.0	4.0	5.0	8.0
VEGF	NM_003376	Taqman	1.2	1.2	2.3	2.3	2.8	5.7	14.9
	AF022375	Array	1.0	0.9	1.4	1.8	1.4	1.9	4.9

¹Fold change in mRNA abundance in MCF-12A cells infected with rAd MEK1EE relative to infection with rAd Lac-Z.

²Genbank accession numbers corresponding to elements on the Affymetrix U95A microarray and used for probe/primer design for validation by qRT PCR.

Positive numbers indicate fold upregulation and negative numbers indicate fold down regulation.
ND= not detected. 0 indicates mRNA was undetectable (CT values \geq 35)

Table S3. Table of 1347 elements on Affymetrix U95A array detecting changes in mRNA abundance of greater than or equal to 2.5 fold. Column A. Genbank accession numbers corresponding to the Affymetrix U95A probe set ids shown in column D. **Column B.** Genes coordinately up-regulated (Group A) and coordinately down-regulated (Group B, see also figure 1.) **Column C.** Gene annotation provided by Affymetrix. **Columns E and F.** The Gene Ontology Consortium (GO) biological process id and description, respectively, assigned by Affymetrix for each probe set id. **Columns G-M.** Fold expression change detected at each time point after infection. Gene expression changes are a comparison of LacZ infected and MEK1 EE infected cells at the same time point. These elements are also represented in the heat map shown in figure 1. Positive numbers and negative numbers indicate fold up and down regulation, respectively. Genes cited in the text are bolded in blue.

GenBank	Group	Affymetric Gene Annotation	Affymetrix Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
AA926959	A	om88h08.s1 cDNA	37347_at	79	regulation of CDK activity	1.6	1.0	1.1	1.3	1.4	2.2	4.3
U22398	B	Cdk-inhibitor p57KIP2 (KIP2)	1787_at	80	G1 phase of mitotic cell cycle	1.1	-1.2	-1.3	-3.0	-4.4	-9.7	-4.9
U22398	B	Cdk-inhibitor p57KIP2 (KIP2)	39545_at	80	G1 phase of mitotic cell cycle	-1.4	1.1	1.1	-1.7	-2.3	-3.0	-5.9
D64137	B	KIP2 gene Cdk-inhibitor p57KIP2	38673_s_at	80	G1 phase of mitotic cell cycle	1.2	1.0	-1.2	-2.8	-4.0	-10.0	-5.0
L25876	A	protein tyrosine phosphatase (CIP2)	1599_at	82	G1/S transition of mitotic cell cycle	2.0	1.0	-2.4	-1.8	2.1	2.6	8.1
AL022325	A	DNA sequence from Fosmid 27C3 on chromosome 22q11.2-qte	39374_at	85	G2 phase of mitotic cell cycle	-2.3	1.0	-4.3	1.4	6.6	1.9	13.1
U28386	A	nuclear localization sequence receptor hSRP1alpha	40407_at	85	G2 phase of mitotic cell cycle	1.3	1.2	-2.3	1.2	1.7	2.3	3.5
M25753	A	cyclin B_3_end	34736_at	86	G2/M transition of mitotic cell cycle	1.8	-1.2	-1.3	1.6	3.2	2.7	6.1
U75285	A	apoptosis inhibitor survivin gene	40532_at	86	G2/M transition of mitotic cell cycle	2.4	1.9	2.4	1.2	2.1	1.5	4.7
M68520	A	cdc2-related protein kinase	1792_q_at	86	G2/M transition of mitotic cell cycle	-1.1	1.3	1.5	1.5	2.1	2.6	1.4
M25753	A	cyclin B	1945_at	86	G2/M transition of mitotic cell cycle	2.0	1.0	-1.6	1.2	2.4	2.9	7.2
Ai417038	A	Ig78b04.x1 cDNA	40533_at	86	G2/M transition of mitotic cell cycle	1.6	1.6	-1.6	1.4	8.2	11.2	8.1
X98263	A	M-phase phosphoprotein, mpp6	31864_at	87	M phase of mitotic cell cycle	1.5	1.2	1.0	2.4	1.8	2.6	1.8
X07024	A	X chromosome mRNA for CCG1 protein	112_g_at	114	G1-specific transcription in mitotic cell cycle	3.1	1.2	2.7	-1.9	-1.2	-1.7	1.2
AJ132917	A	methyl-CpG-binding protein 2	34355_at	122	negative regulation of transcription from Pol II promoter	1.3	1.5	-3.4	-1.2	1.2	1.2	1.1
X89750	A	TGIF protein	38805_at	122	negative regulation of transcription from Pol II promoter	-1.2	1.2	1.9	1.9	1.7	2.1	3.7
U69196	A	cDNA (clone=198754)	38288_at	122	negative regulation of transcription from Pol II promoter	-1.4	1.7	1.0	2.1	1.3	1.7	3.5
L41870	A	retinoblastoma susceptibility protein	1900_at	122	negative regulation of transcription from Pol II promoter	1.4	1.2	-3.1	2.7	1.9	-3.0	-1.2
M99701	B	(pp21)	38317_at	122	negative regulation of transcription from Pol II promoter	-1.2	-1.3	-1.1	1.3	-1.5	-1.3	-3.2
AF040963	B	Mad4 homolog (Mad4)	38639_at	122	negative regulation of transcription from Pol II promoter	-1.2	-1.2	1.3	-2.2	-2.1	-2.3	-4.6
U63909	A	prostate apoptosis response protein par-4	40621_at	122	negative regulation of transcription from Pol II promoter	-1.1	-1.2	1.0	2.7	1.5	1.5	1.9
AF027219	A	ZNF202 beta (ZNF202)	38302_at	122	negative regulation of transcription from Pol II promoter	-1.4	-1.2	-1.2	3.3	-1.3	-1.5	2.6
U48807	A	MAP kinase phosphatase (MKP-2)	1788_s_at	165	MAPKKK cascade	1.1	-1.5	10.3	5.5	4.3	4.9	4.3
U67156	A	mitogen-activated Kinase Kinase Kinase 5 (MAPKKK5)	1327_s_at	165	MAPKKK cascade	-1.8	1.8	-1.2	2.9	2.3	2.1	1.6
M64347	B	novel growth factor receptor	31805_at	165	MAPKKK cascade	1.1	1.0	-1.2	-1.5	-2.0	-1.5	-3.2
X88487	A	A2b adenosine receptor	36324_at	187	activation of MAPK	1.7	-1.2	1.4	2.8	1.9	1.9	2.0
L08797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	187	activation of MAPK	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6
M57729	A	complement component C5	37816_at	187	activation of MAPK	1.3	2.4	-6.0	-1.5	-2.5	-6.8	10.7
AB013382	A	DUSP6	41193_at	188	inactivation of MAPK	1.2	1.2	16.2	24.1	26.3	31.3	143.4
U28963	B	Gps2 (GPS2)	35653_at	188	inactivation of MAPK	1.2	-2.0	-1.1	-1.9	-2.7	-3.8	-1.1
Ai655015	A	wb6a10.x1 cDNA	39932_at	188	inactivation of MAPK	-1.2	1.8	2.3	1.3	2.9	2.9	4.4
J03798	A	autoantigen small nuclear ribonucleoprotein Sm-D	37949_at	245	spliceosome assembly	4.6	1.0	2.0	2.2	4.6	1.1	1.7
AF027150	A	survival of motor neuron protein interacting protein 1	41363_at	245	spliceosome assembly	-2.0	1.0	2.3	3.0	1.2	1.1	3.1
X66975	A	heterogeneous nuclear ribonucleoprotein	40593_at	398	nuclear mRNA splicing, via spliceosome	-1.1	1.2	1.1	1.0	1.7	2.7	1.2
AB011108	A	KIAA0536	32784_at	398	nuclear mRNA splicing, via spliceosome	2.8	-1.2	-1.4	1.5	1.0	1.0	1.0
L21990	A	spliceosomal protein (SAP 62) gene	37462_i_at	398	nuclear mRNA splicing, via spliceosome	1.2	-1.3	-3.1	-2.2	-1.4	-1.4	1.5
L10910	A	splicing factor (CC1.3)	39725_at	398	nuclear mRNA splicing, via spliceosome	1.2	1.1	1.1	2.3	-1.1	1.7	2.7
AF016369	A	U4/U6 small nuclear ribonucleoprotein hPrp4	37935_at	398	nuclear mRNA splicing, via spliceosome	2.6	1.2	2.5	2.4	2.2	1.1	1.2
AL030996	A	dj1189B24.4 (novel PUTATIVE protein)	32124_at	398	nuclear mRNA splicing, via spliceosome	-1.3	1.5	4.5	3.8	2.7	2.1	2.3
AL031681	A	dJ862K6.2.2 (splicing factor, arginine/serine-rich 6 (SRP55-2))	35808_at	398	nuclear mRNA splicing, via spliceosome	-1.5	1.5	-1.3	1.4	1.3	2.7	1.2
AJ762438	A	wg57a07.x1 cDNA	32557_at	398	nuclear mRNA splicing, via spliceosome	1.1	1.0	2.6	1.3	-1.3	-1.1	-1.6
U43746	A	breast cancer susceptibility (BRCA2)	32557_at	724	double-strand break repair via homologous recombination	-2.3	1.9	1.6	-4.3	1.6	3.2	6.7
D26018	A	KIAA0039	37846_at	731	DNA repair synthesis	-1.5	3.0	-1.1	1.2	2.4	3.2	2.7
X51688	A	cyclin A	40697_at	910	cytokinesis	2.0	-1.3	1.7	2.2	2.1	2.5	5.8
D89357	A	CDC2 delta T	33324_s_at	910	cytokinesis	1.7	1.6	1.3	1.7	1.9	8.4	8.1
X51688	A	cyclin A	1943_at	910	cytokinesis	1.0	-1.7	3.2	-1.3	2.4	4.4	6.1
Z36714	A	cyclin F	1925_at	910	cytokinesis	1.1	-1.5	-2.7	1.3	1.7	1.7	3.4
X83441	A	DNA ligase IV	963_at	910	cytokinesis	-1.2	1.1	-1.1	2.4	2.6	-1.1	-1.3
D79987	A	KIAA0165	38158_at	910	cytokinesis	1.4	-1.2	-1.6	1.2	2.1	1.9	4.8
X05360	A	CDC2 gene involved in cell cycle control	1803_at	910	cytokinesis	-1.5	1.1	1.6	1.8	2.8	2.8	4.6
U66838	A	cyclin A1	1914_at	910	cytokinesis	1.6	-1.1	2.0	2.7	3.4	3.4	11.1
M25753	A	cyclin B_3_end	34736_at	910	cytokinesis	1.8	-1.2	-1.3	1.6	3.2	2.7	6.1
M81933	A	cdc25A	1738_at	910	cytokinesis	1.4	1.5	-1.5	1.4	5.8	4.2	3.8
M81933	A	cdc25A	35407_at	910	cytokinesis	-2.3	-1.1	1.8	1.1	5.6	4.4	6.2
Y00272	A	cell cycle control gene CDC2	40915_r_at	910	cytokinesis	-1.8	-1.1	-1.5	1.2	1.5	7.8	3.9
Z15005	A	CENP-E	37173_at	910	cytokinesis	1.1	-1.6	4.9	8.6	7.3	9.9	23.7
X54942	A	ckshs2 Cks1 protein homologue	40690_at	910	cytokinesis	1.0	-1.1	1.3	1.0	1.4	2.5	2.3
M25753	A	cyclin B	1945_at	910	cytokinesis	2.0	1.0	-1.6	1.2	2.4	2.9	7.2
AF991433	A	cyclin E2	35249_at	910	cytokinesis	2.2	1.2	-1.2	5.7	13.6	12.6	5.1
U05340	A	p55CDC	38414_at	910	cytokinesis	1.5	1.0	1.3	1.0	1.7	4.0	4.5
AL080146	A	DKFZp434B174	32263_at	910	cytokinesis	1.6	1.1	-1.4	-2.8	-1.3	2.0	5.6
AA926959	A	om88h08.s1 cDNA	37347_at	910	cytokinesis	1.6	1.0	1.1	1.3	1.4	2.2	4.3
Ai382123	A	te30a09.x1 cDNA	40900_at	910	cytokinesis	2.9	-1.2	1.2	-1.2	1.5	-1.2	1.7
X12830	A	interleukin-6 (IL-6) receptor	160032_at	1501	skeletal development	-1.2	-1.5	-2.6	-1.2	1.0	-1.2	1.2
X64559	A	tetranectin	36569_at	1501	skeletal development	-2.6	-1.2	-2.6	1.2	1.7	-1.2	1.0
D13666	A	osf-2 osteoblast specific factor	1451_s_at	1501	skeletal development	-9.9	-3.4	-40.9	-1.8	4.0	3.6	-6.6
M22489	A	bone morphogenetic protein 2A (BMP-2A)	1113_at	1501	skeletal development	-1.4	-2.1	-1.1	-1.2	1.3	-1.5	3.1
M22489	A	bone morphogenetic protein 2A (BMP-2A)	40367_at	1501	skeletal development	-1.2	-1.9	1.0	1.1	1.1	-1.5	2.5
AF017257	B	chromosome 21 derived BAC	38739_at	1501	skeletal development	-1.1	-1.1	-2.6	-2.1	-2.4	-2.5	-2.8
M64347	B	novel growth factor receptor	31805_at	1501	skeletal development	1.1	1.0	-1.2	-1.6	-2.0	-1.5	-3.2
AL031228	A	dJ1033B10.10 (membrane protein with histidine rich charge clusters)	41652_at	1501	skeletal development	2.4	2.9	2.2	2.3	1.4	1.1	-1.3
M22488	B	bone morphogenetic protein 1 (BMP-1)	39407_at	1502	cartilage condensation	3.6	-1.3	-1.7	-3.2	-2.1	-4.8	-1.6
M16961	A	alpha-2-HS-glycoprotein alpha and beta chain	36621_at	1503	ossification	1.0	-1.5	1.2	2.5	-2.6	-1.3	-1.1
D26443	B	glutamate transporter	36609_at	1504	neurotransmitter uptake	1.1	-1.2	1.2	1.6	-1.4	-1.4	-2.5
D30793	A	epiregulin	34476_r_at	1525	angiogenesis	-1.8	2.1	5.3	13.1	11.1	3.2	13.5
U83509	B	angiopoietin-1, complete cds	1929_at	1525	angiogenesis	1.0	1.6	-1.3	1.0	1.0	-2.8	-5.4
AF035121	A	KDR/Flk-1 protein	1954_at	1525	angiogenesis	1.4	-1.7	1.0	-1.1	-4.3	-3.6	-2.9
AF024710	A	vascular endothelial growth factor (VE)	1953_at	1525	angiogenesis	1.4	-1.3	1.0	1.8	1.4	1.1	5.8
U43142	A	vascular endothelial growth factor related protein	159_at	1525	angiogenesis	2.7	-2.3	-2.0	1.3	1.5	1.2	3.3

GenBank			Affymetrix			Fold Change						
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
X78947	A	connective tissue growth factor	36638_at	6259	DNA metabolism	-1.4	1.1	-1.1	3.0	4.2	2.7	4.4
D87448	A	KIAA0259	38834_at	6259	DNA metabolism	1.2	-1.2	1.0	-1.1	1.6	1.3	2.8
L47276	A	(cell line HL-60) alpha topoisomerase II (top2)	904_s_at	6259	DNA metabolism	-1.1	1.7	-1.8	1.2	2.4	5.2	7.9
J04088	A	DNA topoisomerase II (top2)	1592_at	6259	DNA metabolism	1.6	1.0	-1.5	1.4	2.8	3.8	4.8
M15205	A	thymidine kinase gene	910_at	6259	DNA metabolism	3.3	1.6	1.8	-1.4	2.1	2.6	3.9
U28386	A	nuclear localization sequence receptor hSRP1alpha	40407_at	6259	DNA metabolism	1.3	1.2	-2.3	1.2	1.7	2.3	3.5
X55740	A	placental cDNA coding 5nucleotidase (EC 3.1.3.5)	31886_at	6259	DNA metabolism	1.6	1.1	1.3	2.9	5.1	5.1	8.2
K02581	A	thymidine kinase	41400_at	6259	DNA metabolism	1.3	1.3	1.3	-1.2	2.6	2.1	2.4
L76937	A	Werner syndrome gene	38136_at	6259	DNA metabolism	1.4	1.2	1.6	2.2	3.1	-1.9	1.2
AI375913	A	tct14c08.x1 cDNA	40145_at	6259	DNA metabolism	-1.3	1.0	-5.0	1.4	1.9	4.9	5.9
X83441	A	DNA ligase IV	963_at	6260	DNA replication	-1.2	1.1	-1.1	2.4	2.6	-1.1	-1.3
X74330	A	DNA primase (subunit p48)	798_at	6260	DNA replication	-1.5	-1.2	2.9	1.2	1.5	1.7	8.1
X74331	A	DNA primase (subunit p58)	122_at	6260	DNA replication	1.1	1.0	1.0	1.5	3.0	3.1	1.9
D38073	A	hRif beta subunit (p102 protein)	33252_at	6260	DNA replication	1.8	1.0	1.8	1.1	3.3	3.7	4.3
D84557	A	HsMcm6	40117_at	6260	DNA replication	1.1	-1.1	1.1	1.5	2.4	3.2	3.2
D21063	A	KIAA0030	35312_at	6260	DNA replication	1.1	-1.5	-1.1	-1.3	2.2	1.8	3.1
D26018	A	KIAA0039	37646_at	6260	DNA replication	-1.5	3.0	1.1	1.2	2.4	3.2	2.7
X59543	A	M1 subunit of ribonucleotide reductase	34314_at	6260	DNA replication	1.7	1.4	-2.5	1.7	3.3	5.4	3.2
D55716	A	P1cdc47	947_at	6260	DNA replication	1.6	-1.2	1.0	-1.2	2.4	2.8	5.1
Z97029	A	ribonuclease H I large subunit	35141_at	6260	DNA replication	1.5	-2.4	1.7	-2.2	1.2	2.9	2.7
U39817	A	Bloom s syndrome protein (BLM)	1544_at	6260	DNA replication	-3.3	-1.4	1.8	-2.6	13.2	11.8	4.7
M15796	A	cyclin protein gene	1884_s_at	6260	DNA replication	1.3	1.0	-1.4	1.0	1.7	3.2	1.7
J05614	A	proliferating cell nuclear antigen (PCNA)	1824_s_at	6260	DNA replication	1.4	1.1	1.1	1.2	2.0	3.0	1.2
L07540	A	replication factor C, 36-kDa subunit	38863_at	6260	DNA replication	-1.2	1.1	-2.8	1.6	1.4	11.7	1.4
X82554	B	SFAR gene cyclin-related protein	1695_at	6260	DNA replication	1.0	1.2	-1.2	1.1	-1.2	1.1	-3.9
U43746	A	breast cancer susceptibility (BRCA2)	1989_at	6260	DNA replication	-2.3	1.3	1.6	-1.3	1.6	3.2	6.7
U20979	A	chromatin assembly factor-I p150 subunit	32589_at	6260	DNA replication	1.1	-1.4	-1.2	-2.0	2.7	3.9	3.1
U20980	A	chromatin assembly factor-I p60 subunit	36912_at	6260	DNA replication	3.2	-1.1	1.2	-2.2	9.3	5.6	3.6
AC004770	A	chromosome 11, BAC CIT-HSP-311e8 (BC269730)	41583_at	6260	DNA replication	1.3	1.3	1.1	1.2	5.9	5.6	2.9
AF025840	A	DNA polymerase epsilon subunit B (DPE2)	41085_at	6260	DNA replication	-1.2	1.0	-2.0	-1.2	3.9	3.0	3.5
AJ223728	A	Porc-PI gene similar to yeast CDC45	37458_at	6260	DNA replication	-4.3	-1.3	1.0	1.7	6.7	14.0	8.7
M87339	A	replication factor C, 37-kDa subunit	1055_g_at	6260	DNA replication	-1.5	1.4	1.5	1.6	4.8	5.1	5.5
L07541	A	replication factor C, 38-kDa subunit	39269_at	6260	DNA replication	1.2	-1.2	-1.6	1.2	3.4	2.8	5.6
M87338	A	replication factor C, 40-kDa subunit (A1)	1053_at	6260	DNA replication	1.0	-1.1	-1.6	1.5	2.2	2.7	2.5
X59618	A	RR2 small subunit ribonucleotide reductase	36922_at	6260	DNA replication	-1.1	1.7	-2.6	1.1	2.1	3.5	4.9
M62810	A	mitochondrial transcription factor 1	36191_at	6261	DNA dependent DNA replication	1.6	1.3	1.1	3.0	2.1	2.2	3.5
W74442	A	zd75e09.s1 cDNA	32617_at	6261	DNA dependent DNA replication	-1.7	1.3	-1.3	-2.4	2.6	15.7	7.7
L47276	A	(cell line HL-60) alpha topoisomerase II (top2)	904_s_at	6265	DNA topological change	-1.1	1.7	-1.8	1.2	2.4	5.2	7.9
J04088	A	DNA topoisomerase II (top2)	1592_at	6265	DNA topological change	1.6	1.0	-1.5	1.4	2.8	3.8	4.8
U07806	A	camptothecin resistant clone CEM/C2 DNA topoisomerase	1030_s_at	6265	DNA topological change	1.0	-1.1	1.6	2.7	1.7	1.8	2.3
U07804	A	DNA topoisomerase I	1710_s_at	6265	DNA topological change	1.3	-1.2	1.7	2.6	1.7	1.2	2.6
AI375913	A	tct14c08.x1 cDNA	40145_at	6265	DNA topological change	1.3	1.0	-5.0	1.4	1.9	4.9	5.9
AF052148	A	clone 24507 sequence	32274_r_at	6266	DNA ligation	-1.3	-1.1	3.4	-1.1	1.7	1.2	-1.5
U07806	A	camptothecin resistant clone CEM/C2 DNA topoisomerase	1030_s_at	6268	DNA unwinding	1.0	-1.1	1.6	2.7	1.7	1.8	2.3
U07804	A	DNA topoisomerase I	1710_s_at	6268	DNA unwinding	1.3	-1.2	1.7	2.6	1.7	1.2	2.6
X74330	A	DNA primase (subunit p48)	798_at	6269	DNA replication, priming	-1.5	-1.2	2.9	1.2	1.5	1.7	8.1
X74331	A	DNA primase (subunit p58)	122_at	6269	DNA replication, priming	1.1	1.0	1.0	1.5	3.0	3.1	1.9
D38073	A	hRif beta subunit (p102 protein)	33252_at	6270	DNA replication initiation	1.8	1.0	1.8	1.1	3.3	3.7	4.3
D84557	A	HsMcm6	40117_at	6270	DNA replication initiation	1.1	-1.1	1.1	1.5	2.4	3.2	3.2
D21063	A	KIAA0030	35312_at	6270	DNA replication initiation	1.1	-1.5	-1.1	-1.3	2.2	1.8	3.1
AJ223728	A	Porc-PI gene similar to yeast CDC45	37458_at	6270	DNA replication initiation	-4.3	-1.3	1.0	1.7	6.7	14.0	8.7
M87339	A	replication factor C, 37-kDa subunit	1055_g_at	6271	DNA strand elongation	1.2	1.1	-1.4	1.0	1.6	2.2	3.5
L07541	A	replication factor C, 38-kDa subunit	39269_at	6271	DNA strand elongation	1.2	-1.2	-1.6	1.2	3.4	2.8	5.6
M15796	A	cyclin protein gene	1884_s_at	6275	regulation of DNA replication	1.3	1.0	-1.4	1.0	1.7	3.2	1.7
J05614	A	proliferating cell nuclear antigen (PCNA)	1824_s_at	6275	regulation of DNA replication	1.4	1.1	1.1	1.2	2.0	3.0	1.2
M68520	A	cdc2-related protein kinase	1792_g_at	6275	regulation of DNA replication	-1.1	1.3	1.5	1.5	2.1	2.6	1.4
D37984	A	DNA helicase Q1	354_s_at	6281	DNA repair	-1.9	1.1	1.0	1.1	-1.2	1.6	2.6
Y08837	A	RAD51-like protein (XRCC2)	1300_at	6281	DNA repair	1.0	-1.8	-4.5	2.1	1.6	1.9	2.4
AJ007669	A	Fanconi anemia group G	37584_at	6281	DNA repair	1.7	1.5	1.0	1.0	1.3	2.2	2.7
X97795	A	homologous to S. cerevisiae RAD54	965_at	6281	DNA repair	-1.2	-1.2	1.3	-1.3	1.8	1.9	2.9
Y09008	A	uracil-DNA glycosylase	37896_s_at	6281	DNA repair	-1.3	1.1	-1.1	1.0	1.9	2.8	1.4
U39817	A	Bloom s syndrome protein (BLM)	1544_at	6281	DNA repair	-3.3	-1.4	1.8	-2.6	13.2	11.8	4.7
L78833	A	BRCA1, Rho7 and vatl genes	604_at	6281	DNA repair	-1.3	-3.1	-1.2	2.0	23.1	4.7	6.6
M15796	A	cyclin protein gene	1884_s_at	6281	DNA repair	1.3	1.0	-1.4	1.0	1.7	3.2	1.7
M60974	A	growth arrest and DNA-damage-inducible protein	1911_s_at	6281	DNA repair	1.2	1.1	-1.2	2.1	1.5	1.6	4.5
J05614	A	proliferating cell nuclear antigen (PCNA)	1824_s_at	6281	DNA repair	1.4	1.1	1.1	1.2	2.0	3.0	1.2
L07540	A	replication factor C, 36-kDa subunit	38863_at	6281	DNA repair	-1.2	1.1	-2.8	1.6	1.4	11.7	1.4
U64805	A	BrcA1-delta11b (Brca1)	33724_at	6281	DNA repair	1.4	-1.3	1.5	1.4	2.0	2.0	2.5
U20979	A	chromatin assembly factor-I p150 subunit	32589_at	6281	DNA repair	1.1	-1.4	-1.2	-2.0	2.7	3.9	3.1
U20980	A	chromatin assembly factor-I p60 subunit	36912_at	6281	DNA repair	3.2	-1.1	1.2	-2.2	9.3	5.6	3.6
U21915	A	chromosome 5q13.1 clone 5G8	39494_at	6281	DNA repair	5.8	-1.5	-1.3	17.2	1.2	1.1	1.0
AF020043	A	chromosome-associated polypeptide (HCAP)	34763_at	6281	DNA repair	1.1	1.5	-1.1	2.2	1.8	1.7	3.0
AF025840	A	DNA polymerase epsilon subunit B (DPE2)	41085_at	6281	DNA repair	-1.2	1.0	-2.0	-1.2	3.9	3.0	3.5
X66894	A	FACC from complementation group C (FA(C))	35713_at	6281	DNA repair	-3.6	2.0	1.5	1.1	4.3	1.2	2.5
U28455	A	phosphatidylinositol 3-kinase homolog (ATM)	2000_at	6281	DNA repair	1.5	1.3	1.0	1.6	-1.5	-2.5	1.4
U72936	A	putative DNA dependent ATPase and helicase (ATRX)	39146_at	6281	DNA repair	1.2	7.7	1.2	1.9	4.2	1.9	-1.7
AF029670	A	Rad51C truncated protein (RAD51C)	41479_s_at	6281	DNA repair	1.4	-1.2	1.5	1.7	1.0	2.7	1.3
AF006259	A	Rad51-interacting protein	35397_at	6281	DNA repair	-1.4	2.8	-1.5	-1.3	1.0	4.3	3.9
AB006532	A	RecQ4 DNA helicase	39651_at	6281	DNA repair	-1.1	1.0	-1.8	-1.2	-1.2	1.8	2.9

GenBank		Affymetrix	Fold Change									
Accession #	Group	Affymetrix Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
AL043470	A	DKFZp434A0327_s1	33125_at	6281	DNA repair	-1.5	1.2	1.0	1.7	1.7	2.5	2.9
AI685944	A	tu38g02.x1_cDNA	34865_at	6281	DNA repair	-1.8	-1.4	1.1	1.6	1.2	1.2	3.2
AF091754		untitled	36041_at	6281	DNA repair	2.5	-7.0	1.3	2.5	2.9	29.7	3.1
L78833	A	BRCA1, Rho7 and vatt genes	604_at	6282	regulation of DNA repair	-1.3	-3.1	-1.2	2.0	23.1	4.7	6.6
U64805	A	Brca1-delta11b (Brca1)	33724_at	6282	regulation of DNA repair	1.4	-1.3	1.5	1.4	2.0	2.0	2.5
L20046		ERCC5 excision repair protein	2063_at	6283	transcription-coupled nucleotide-excision repair	-1.6	1.4	-3.9	1.3	-1.2	1.5	-1.4
Y09008		uracil-DNA glycosylase	37686_s_at	6284	base-excision repair	-1.3	1.1	-1.1	1.0	1.9	2.8	1.5
AF034956		RAD51D	37793_r_at	6284	base-excision repair	2.1	1.3	-1.1	2.9	2.0	-1.3	-1.1
D27018		KIAA0039	37946_at	6298	mismatch repair	-1.5	3.0	1.1	1.2	2.4	3.2	2.7
U03911	A	mutator gene (hMSH2)	860_at	6298	mismatch repair	-1.3	-1.2	-1.3	2.0	3.4	4.3	2.2
U03911	A	mutator gene (hMSH2)	861_g_at	6298	mismatch repair	1.1	-1.3	-1.3	2.1	1.7	3.6	2.2
AF091754		untitled	36041_at	6298	mismatch repair	2.5	-7.0	1.3	2.5	2.9	29.7	3.1
U03911	A	mutator gene (hMSH2)	860_at	6301	postreplication repair	-1.3	1.2	1.0	2.0	3.0	4.3	2.2
U03911	A	mutator gene (hMSH2)	861_g_at	6301	postreplication repair	1.1	-1.3	-1.3	2.1	1.7	3.6	2.2
U47077		DNA-dependent protein kinase catalytic subunit	1250_at	6302	double-strand break repair	1.3	1.1	-3.1	-1.2	1.1	1.4	1.3
AC004770		chromosome 11, BAC CIT-HSP-311e8 (BC269730)	41583_at	6302	double-strand break repair	1.3	1.3	1.1	1.2	5.9	5.6	2.9
AF052148		clone 24507 sequence	32274_r_at	6303	double-strand break repair via nonhomologous end-joining	-1.3	-1.1	3.4	-1.1	-1.4	1.2	-1.5
V01512	A	cellular oncogene c-fos	1916_s_at	6306	DNA methylation	-1.3	1.8	2.9	4.7	7.1	6.4	5.1
V01512	A	cellular oncogene c-fos	1915_s_at	6306	DNA methylation	1.1	1.6	1.9	2.5	3.0	2.2	3.5
U72936		putative DNA dependent ATPase and helicase (ATRX)	39146_at	6306	DNA methylation	1.2	7.7	1.2	1.9	4.2	1.9	-1.7
U75744		DNase gamma 4	37972_at	6308	DNA catabolism	-1.5	1.2	1.3	-1.7	1.0	-3.1	1.5
Y08837		RAD51-like protein (XRCC2)	1300_at	6310	DNA recombination	1.0	-1.8	-4.5	2.1	1.6	1.9	2.4
X83441		DNA ligase IV	963_at	6310	DNA recombination	-1.2	-1.1	-1.1	2.4	2.6	-1.1	-1.3
X97795	A	homologous to S. cerevisiae RAD54	966_at	6310	DNA recombination	-1.2	-1.2	1.3	-1.3	1.8	1.9	2.9
U39817	A	Bloom s syndrome protein (BLM)	1544_at	6310	DNA recombination	-3.3	-1.4	1.8	-2.6	13.2	11.8	4.7
U47077		DNA-dependent protein kinase catalytic subunit	1250_at	6310	DNA recombination	-1.3	1.1	-3.1	-1.2	1.1	1.4	1.3
U72936		putative DNA dependent ATPase and helicase (ATRX)	39146_at	6310	DNA recombination	1.2	7.7	1.2	1.9	4.2	1.9	-1.7
AF029670		Rad51C truncated protein (RAD51C)	41479_s_at	6310	DNA recombination	1.4	-1.2	1.5	1.7	1.0	2.7	1.3
AF091754		untitled	36041_at	6310	DNA recombination	2.5	-7.0	1.3	2.5	2.9	29.7	3.1
M97856	A	P1-Cdc46	33255_at	6323	DNA packaging	1.1	1.2	2.3	-1.1	1.5	2.0	2.8
AF030424	A	histone acetyltransferase 1	41855_at	6323	DNA packaging	1.4	1.0	1.3	1.4	1.5	2.6	3.9
X92518	A	HMGIC	35200_at	6325	establishment and/or maintenance of chromatin architecture	-1.1	1.2	2.4	2.6	2.8	3.3	3.0
U43746	A	breast cancer susceptibility (BRCA2)	1989_at	6325	establishment and/or maintenance of chromatin architecture	-2.3	1.3	1.6	-1.3	1.6	3.2	6.7
U61145	A	enhancer of zeste homolog 2 (EZH2)	37305_at	6325	establishment and/or maintenance of chromatin architecture	1.0	1.0	-1.4	1.4	1.9	3.4	3.5
AF006513	A	CHD1	39231_at	6333	chromatin assembly/disassembly	-1.2	1.2	1.1	3.2	2.0	2.7	2.2
D64142		histone H1x	318_at	6334	nucleosome assembly	2.1	-1.3	-1.3	-5.6	-1.6	-2.0	6.4
D64142		histone H1x	319_g_at	6334	nucleosome assembly	1.1	-1.1	-1.8	-2.4	-1.6	-1.2	3.6
AJ223352	B	histone H2B, clone pJG4-5-14	32819_at	6334	nucleosome assembly	-1.3	1.2	-1.3	-1.2	-1.3	-2.8	-1.6
AJ223353	B	histone H2B, clone pJG4-5-15	38576_at	6334	nucleosome assembly	-1.9	1.3	-1.4	1.0	-1.2	-1.7	-2.8
AB018264		KIAA0721	33835_at	6334	nucleosome assembly	1.1	1.2	-3.0	-1.1	1.1	-1.2	-2.6
X03473	A	gene histone H1(0)	434_at	6334	nucleosome assembly	1.4	-1.5	2.2	-1.7	1.7	3.8	2.9
X97985	B	histones H2B.1 and H2A	33352_at	6334	nucleosome assembly	-1.9	-1.1	-2.2	-2.1	-2.6	-4.0	-3.5
X14885		H2A.X encoding histone H2A.X	40196_at	6334	nucleosome assembly	4.1	-1.5	-1.3	2.0	1.0	0.0	2.0
Z80780	B	H2B/h gene	31523_f_at	6334	nucleosome assembly	1.1	1.5	1.6	-1.2	-1.4	-1.5	-2.6
M37583	A	histone (H2A.Z)	39337_at	6334	nucleosome assembly	1.4	1.3	-2.6	1.3	1.8	2.6	2.6
AB015345		HRIHFB2216	40165_at	6334	nucleosome assembly	1.0	1.0	1.2	-1.3	-1.4	-2.6	-1.6
AL009179	B	dJ97D16.4 (Histone H2B)	35576_f_at	6334	nucleosome assembly	-1.2	1.0	1.5	-1.4	-1.1	-1.3	-2.6
AL009179		dJ97D16.6 (Histone H3.1)	36757_at	6334	nucleosome assembly	-1.4	2.2	-1.4	1.1	-2.5	-2.6	-2.7
N35832		yx89B10.r1_cDNA	34964_at	6334	nucleosome assembly	5.3	-1.1	-2.2	-3.9	-5.4	-5.7	1.8
U20979	A	chromatin assembly factor-I p150 subunit	32589_at	6335	DNA replication dependent nucleosome assembly	1.1	-1.4	-1.2	-2.0	2.7	3.9	3.1
U20980	A	chromatin assembly factor-I p60 subunit	36912_at	6335	DNA replication dependent nucleosome assembly	3.2	-1.1	1.2	-2.2	9.3	5.6	3.6
AF041474		BAF53a	41278_at	6338	chromatin modeling	1.1	1.6	-1.7	2.7	2.0	2.2	1.8
U43746	A	breast cancer susceptibility (BRCA2)	1989_at	6338	chromatin modeling	-2.3	1.3	1.6	-1.3	1.6	3.2	6.7
AF001294	A	IPL (IPL)	31888_s_at	6349	imprinting	-1.3	1.5	1.2	1.7	2.3	2.7	1.8
X84373	A	nuclear factor RIP140	40088_at	6350	transcription	-1.1	1.2	1.1	4.0	2.1	1.6	3.7
X76770		PAP	34855_at	6350	transcription	-1.3	1.7	-1.4	1.2	1.9	3.0	2.1
W37606		zct12a03.r1_cDNA	41495_at	6350	transcription	3.0	1.5	-3.0	2.6	1.5	1.8	1.1
Y09615		mitochondrial transcription termination factor	41070_r_at	6353	transcription termination	-1.8	1.8	-29.0	2.6	1.1	1.6	-1.5
X13293		B-myb gene	1854_at	6355	regulation of transcription, DNA-dependent	2.2	-1.3	1.0	1.1	3.1	1.3	2.6
D45132		zinc-finger DNA-binding protein AND-1 protein	315_at	6355	regulation of transcription, DNA-dependent	1.1	1.2	1.2	1.5	1.4	2.5	1.2
AJ006266		EAR-1r	40355_at	6355	regulation of transcription, DNA-dependent	1.0	-1.5	2.2	1.1	4.4	21.0	2.5
D16815		GC-Box binding protein BTEB2	35705_at	6355	regulation of transcription, DNA-dependent	1.1	-1.1	10.2	2.8	1.2	1.3	1.2
D14520		GC-Box binding protein BTEB2	37926_at	6355	regulation of transcription, DNA-dependent	-1.3	1.3	2.6	1.6	1.2	1.2	1.3
X92518	A	HMGIC	35200_at	6355	regulation of transcription, DNA-dependent	-1.1	1.2	2.4	2.6	2.8	3.3	3.0
D38073	A	hRif beta subunit (p102 protein)	33252_at	6355	regulation of transcription, DNA-dependent	1.8	1.0	1.8	1.1	3.3	3.7	4.3
D84557	A	HsMcm6	40117_at	6355	regulation of transcription, DNA-dependent	1.1	-1.1	1.1	1.5	2.4	3.2	3.2
Y07707		ITBA4 gene	37501_at	6355	regulation of transcription, DNA-dependent	1.2	-1.3	1.2	3.0	1.1	1.0	1.6
D21063	A	KIAA0030	35312_at	6355	regulation of transcription, DNA-dependent	1.1	-1.5	-1.1	-1.3	2.2	1.8	3.1
D63881	A	KIAA0160	40957_at	6355	regulation of transcription, DNA-dependent	1.3	1.1	-1.2	2.3	1.7	2.6	2.7
AB011141		KIAA0569	35681_r_at	6355	regulation of transcription, DNA-dependent	1.2	-2.8	1.0	1.5	-1.5	-1.3	-1.3
AB020634		KIAA0827	40713_at	6355	regulation of transcription, DNA-dependent	1.5	6.0	11.7	1.9	1.6	6.1	-2.4
AB020936		KIAA1113	32635_at	6355	regulation of transcription, DNA-dependent	-1.1	1.8	-6.6	3.3	1.0	2.9	2.1
AJ132917		methyl-CpG-binding protein 2	34355_at	6355	regulation of transcription, DNA-dependent	1.3	1.5	-3.4	-1.2	1.2	1.2	1.1
D82344		NBPhox	35020_at	6355	regulation of transcription, DNA-dependent	-2.2	1.1	2.3	12.0	-1.5	-2.7	1.7
X84373	A	nuclear factor RIP140	40088_at	6355	regulation of transcription, DNA-dependent	-1.1	1.2	1.1	4.0	2.1	1.6	3.7
Z50194	A	PQ-rich protein	36239_at	6355	regulation of transcription, DNA-dependent	1.2	1.0	11.2	12.9	3.8	9.4	42.4
X16901	A	RAP30 subunit of transcription initiation factor RAP30	36510_at	6355	regulation of transcription, DNA-dependent	-1.2	-1.1	-1.4	2.1	1.5	2.0	2.5
X97674	B	transcriptional intermediary factor 2	34313_at	6355	regulation of transcription, DNA-dependent	2.3	1.6	-1.1	-1.5	-1.5	-1.3	-2.5
X16281		zinc finger protein	35408_i_at	6355	regulation of transcription, DNA-dependent	-1.9	-6.7	-2.4	-1.3	-2.7	-1.4	-1.7

GenBank	Group	Affymetric Gene Annotation	Affymatrix	GO id	GO Biological Process		Fold Change						
Accession #	Group		Probe set id			0	4	6	8	12	16	24	
X16281	B	zinc finger protein (clone 431)	35409_r_at	6355	regulation of transcription, DNA-dependent	4.5	-1.4	-2.3	-1.2	-1.9	-3.0	-10.9	
L19871	A	activating transcription factor 3 (ATF3)	287_at	6355	regulation of transcription, DNA-dependent	-2.1	-1.4	2.0	-2.7	-2.1	-1.5	3.2	
X66087	A	a-myb	160043_at	6355	regulation of transcription, DNA-dependent	1.1	1.5	2.7	-1.3	27.3	3.9	2.4	
M37197	A	CCAAT-box-binding factor (CBF)	229_at	6355	regulation of transcription, DNA-dependent	-1.4	-1.4	1.0	3.5	1.4	2.0	2.3	
U69196	A	cDNA clone=198754	38288_at	6355	regulation of transcription, DNA-dependent	-1.4	1.7	1.0	2.1	1.3	1.7	3.5	
U59913	A	chromosome 5 Mad homolog Smad5	1013_at	6355	regulation of transcription, DNA-dependent	-1.4	1.5	1.2	2.4	-1.1	3.3	1.4	
L12701	A	enraged protein (EN2) gene	1133_at	6355	regulation of transcription, DNA-dependent	4.1	-2.0	1.5	2.6	-2.5	1.0	-1.2	
AF010193	A	MAD-related gene SMAD7 (SMAD7)	1857_at	6355	regulation of transcription, DNA-dependent	1.2	-2.0	1.2	1.1	-1.1	-1.1	3.7	
Z33274	A	PEBP2aC1 acute myeloid leukaemia	106_at	6355	regulation of transcription, DNA-dependent	-1.6	-1.2	-2.9	1.4	1.5	7.9	1.4	
M07915	A	retinoic acid-binding protein II	1057_at	6355	regulation of transcription, DNA-dependent	-1.2	-1.1	1.0	-1.2	-1.4	-4.3	-2.9	
M27891	A	transactivator protein (CREB)	37535_at	6355	regulation of transcription, DNA-dependent	3.0	1.3	-1.3	1.8	-1.1	-1.1	1.8	
M99701	B	(pp21)	38317_at	6355	regulation of transcription, DNA-dependent	-1.2	-1.3	-1.1	1.3	-1.5	-1.3	-3.2	
L19872	A	AH-receptor	40516_at	6355	regulation of transcription, DNA-dependent	1.4	-1.8	-1.2	1.9	1.3	1.4	3.2	
AB002803	A	BACH1	31895_at	6355	regulation of transcription, DNA-dependent	1.1	-1.1	1.9	2.8	2.6	2.3	2.1	
U20240	A	C/EBP gamma	39219_at	6355	regulation of transcription, DNA-dependent	1.1	-1.3	-1.2	1.3	-1.2	1.1	2.9	
M37197	A	CCAAT-box-binding factor (CBF)	32194_at	6355	regulation of transcription, DNA-dependent	-1.3	1.0	-1.1	2.8	1.4	1.1	2.1	
AF017257	B	chromosome 21 derived BAC	38739_at	6355	regulation of transcription, DNA-dependent	-1.1	-1.1	-2.6	-2.1	-2.4	-2.5	-2.8	
U59913	A	chromosome 5 Mad homolog Smad5	39926_at	6355	regulation of transcription, DNA-dependent	1.7	1.1	-1.5	1.5	-1.1	3.3	1.2	
U21915	A	chromosome 5q13.1 clone 5G8	39494_at	6355	regulation of transcription, DNA-dependent	5.8	-1.5	-1.3	17.2	1.2	1.1	1.0	
AF052094	A	clone 23698 sequence	38092_at	6355	regulation of transcription, DNA-dependent	1.1	8.7	-4.9	1.1	-1.2	1.1	-1.4	
AF070641	A	clone 24421 sequence	37156_at	6355	regulation of transcription, DNA-dependent	4.7	-1.5	3.3	2.5	7.1	3.4	93.3	
AF070578	A	clone 24674 sequence	36758_at	6355	regulation of transcription, DNA-dependent	1.7	-2.7	1.6	1.4	3.4	1.1	-1.8	
AL049381	B	DKFZp586J2118	33355_at	6355	regulation of transcription, DNA-dependent	1.3	-1.1	1.4	-2.3	1.0	-1.7	-3.2	
AL031985	A	DNA sequence from clone Z28H13 on chromosome 1p34.1-35.3	35557_at	6355	regulation of transcription, DNA-dependent	1.1	-1.1	4.1	2.8	-1.4	1.1	40.9	
Z39330	A	DNA sequence from clone Z92E10 on chromosome 22q11-12	39765_at	6355	regulation of transcription, DNA-dependent	-1.1	-1.2	1.1	1.6	1.1	2.9	4.3	
Z39330	A	DNA sequence from clone Z92E10 on chromosome 22q11-12	39756_g_at	6355	regulation of transcription, DNA-dependent	-1.1	-1.1	1.4	1.3	1.4	1.6	2.7	
AL031666	A	DNA sequence from clone 569M23 on chromosome 20q12-13.1	37115_at	6355	regulation of transcription, DNA-dependent	4.6	1.5	1.4	1.3	-1.4	-2.8	2.4	
U81984	A	endothelial PAS domain protein 1 (EPAS1)	38230_at	6355	regulation of transcription, DNA-dependent	-1.1	-1.1	3.1	-1.5	-1.4	-1.2	-1.8	
U61145	A	enhancer of zeste homolog 2 (EZH2)	37305_at	6355	regulation of transcription, DNA-dependent	1.0	1.0	-1.4	1.4	1.9	3.4	3.5	
X96381	A	erm gene	34818_at	6355	regulation of transcription, DNA-dependent	1.2	1.2	1.3	3.3	4.8	8.0	14.2	
U13220	A	Forkhead protein FREAC-2	36319_at	6355	regulation of transcription, DNA-dependent	1.1	-1.1	1.4	1.0	2.6	1.6	2.8	
M95585	A	hepatic leukemia factor (HLF)	38627_at	6355	regulation of transcription, DNA-dependent	-2.0	1.9	-6.5	3.2	-1.1	-3.6	1.3	
U39840	A	hepatocyte nuclear factor-3 alpha (HNF-3 alpha)	37141_at	6355	regulation of transcription, DNA-dependent	-1.7	1.2	4.3	2.7	2.8	1.5	1.3	
U74612	A	hepatocyte nuclear factor-3/k head homolog 11A (HFH-11A)	34715_at	6355	regulation of transcription, DNA-dependent	1.8	-1.1	1.4	1.1	2.3	2.4	4.2	
X62534	A	HMG-2	38065_at	6355	regulation of transcription, DNA-dependent	1.6	1.5	-2.2	1.3	2.6	5.8	11.1	
AB028021	A	HNF-3beta hepatocyte nuclear factor-3 beta	40284_at	6355	regulation of transcription, DNA-dependent	1.7	1.6	9.3	1.9	13.5	14.5	18.2	
AB012853	A	ING1L ING1p	39555_at	6355	regulation of transcription, DNA-dependent	1.0	1.3	1.8	1.0	6.0	1.4	3.6	
U90304	B	iroquois-class homeodomain protein IRX-2a	41348_at	6355	regulation of transcription, DNA-dependent	1.1	-1.4	-1.1	-1.6	-1.8	-2.8	-2.5	
AB007872	A	KIAA0412	41612_at	6355	regulation of transcription, DNA-dependent	1.0	1.8	1.0	-1.4	1.5	-2.8	-1.6	
AB007901	A	KIAA0441	39658_at	6355	regulation of transcription, DNA-dependent	-1.3	1.0	1.6	2.8	2.3	1.2	1.0	
AF064094	A	KL4Fp	37789_at	6355	regulation of transcription, DNA-dependent	-6.4	-1.5	-2.0	-1.4	1.6	-1.2	3.2	
U13044	A	nuclear respiratory factor-2 subunit alpha	37245_at	6355	regulation of transcription, DNA-dependent	-1.2	-1.5	1.6	-1.3	-1.5	7.0	1.4	
U13045	A	nuclear respiratory factor-2 subunit beta 1	37275_at	6355	regulation of transcription, DNA-dependent	-3.0	-1.2	-1.2	1.2	1.7	-1.3	2.5	
AC004079	A	PAC clone DJ0167F23 from 7p15	33577_at	6355	regulation of transcription, DNA-dependent	1.3	1.4	1.3	1.1	1.2	-2.7	-1.3	
X63741	A	pilot	40375_at	6355	regulation of transcription, DNA-dependent	1.2	-1.2	-1.2	4.1	32.3	1.0	1.5	
U44754	A	PSE-binding factor PTF gamma subunit	35488_at	6355	regulation of transcription, DNA-dependent	-1.1	1.1	-1.2	2.7	1.7	1.9	1.9	
U72936	A	putative DNA dependent ATPase and helicase (ATR)	39146_at	6355	regulation of transcription, DNA-dependent	1.2	7.7	1.2	1.9	4.2	1.9	-1.7	
M97815	B	retinoic acid-binding protein II (CRABP-II)	41783_at	6355	regulation of transcription, DNA-dependent	-1.7	-1.3	1.0	-1.7	-2.7	-3.5	-3.0	
Y18264	A	SALL1	32985_at	6355	regulation of transcription, DNA-dependent	-2.4	1.4	-2.0	2.1	-1.6	2.0	3.2	
AF055376	B	short m transcription factor C-MAF (c-maf)	41505_r_at	6355	regulation of transcription, DNA-dependent	-1.4	1.8	-4.0	-2.1	-2.3	-6.2	-17.5	
AF055376	B	short m transcription factor C-MAF (c-maf)	41504_s_at	6355	regulation of transcription, DNA-dependent	-1.6	2.7	-7.1	-3.3	-2.4	-5.8	-6.7	
L10910	A	splicing factor (CC1.3)	39725_at	6355	regulation of transcription, DNA-dependent	1.2	1.1	1.1	2.3	-1.1	1.7	2.7	
L40411	A	thyroid receptor interactor (TRIP8)	38216_at	6355	regulation of transcription, DNA-dependent	1.9	-1.1	-1.3	1.4	-1.1	-1.5	2.7	
U31556	A	transcription factor E2F-5	1044_s_at	6355	regulation of transcription, DNA-dependent	-1.2	-1.1	2.2	2.8	2.0	2.2	3.4	
U31556	A	transcription factor E2F-5	41275_at	6355	regulation of transcription, DNA-dependent	-1.3	-1.3	2.5	2.4	1.4	1.7	3.3	
U59831	A	transcription factor, khead related activator 4 (FREAC-4)	33203_s_at	6355	regulation of transcription, DNA-dependent	-1.1	2.0	-1.2	1.8	1.2	-2.3	3.1	
U78722	A	zinc finger protein 165 (Zfp165)	33572_at	6355	regulation of transcription, DNA-dependent	-1.7	-1.1	-1.4	1.0	1.4	1.0	3.1	
AF027219	A	ZNF202 beta (ZNF202)	38302_at	6355	regulation of transcription, DNA-dependent	-1.4	-1.2	-1.2	3.3	-1.3	-1.5	2.6	
AL021977	A	7C4.1 novel MAFF (v-maf musculoaponeurotic fibrosarcoma) (v-maf)	36711_at	6355	regulation of transcription, DNA-dependent	-1.1	1.4	5.2	4.8	6.0	9.9	13.8	
AL022328	B	dJ1042K10.3 (novel protein)	35563_at	6355	regulation of transcription, DNA-dependent	1.0	1.2	1.0	-6.2	-2.0	-3.2	-2.1	
AL022398	A	dJ434O14.5 (novel PUTATIVE protein similar to Y1L091C)	41619_at	6355	regulation of transcription, DNA-dependent	1.3	1.1	2.1	3.5	1.5	2.1	1.3	
AL080123	A	DKFZp569D2231	39218_at	6355	regulation of transcription, DNA-dependent	-1.1	-1.3	2.3	2.5	9.0	1.8	2.8	
AL050107	A	DKFZp586I1419	33876_at	6355	regulation of transcription, DNA-dependent	-1.1	1.2	1.3	2.5	2.4	3.9	2.8	
AL050135	B	DKFZp586K091	32144_at	6355	regulation of transcription, DNA-dependent	-1.5	-1.2	-1.8	-1.3	-1.9	-1.2	-3.4	
S54641	A	HZF-16=Kruppel-related zinc finger gene homolog (alternatively spliced)	33658_at	6355	regulation of transcription, DNA-dependent	-1.2	-1.2	2.6	1.5	-1.3	-1.6	-2.5	
AI84738	B	wI84b02.x1 cDNA	34178_at	6355	regulation of transcription, DNA-dependent	1.2	1.2	1.0	-1.3	-1.7	-3.0	-1.6	
W37606	A	zct12a03.r1 cDNA	41495_at	6355	regulation of transcription, DNA-dependent	3.0	1.5	-3.0	2.6	1.5	1.8	1.1	
AA043502	A	zk66d10.s1 cDNA	40907_at	6355	regulation of transcription, DNA-dependent	-1.1	1.6	3.3	1.6	1.0	-1.3	-1.5	
AA258092	A	zs30g01.r1 cDNA	35413_s_at	6355	regulation of transcription, DNA-dependent	1.4	1.3	3.6	1.8	1.1	-1.2	1.3	
M62810	A	mitochondrial transcription factor 1	36191_at	6356	regulation of transcription from Pol I promoter	1.6	1.3	1.1	3.0	2.1	2.2	3.5	
V00568	A	encoding the c-myc oncogene	1973_s_at	6357	regulation of transcription from Pol II promoter	1.0	1.0	4.4	1.8	1.5	1.3	4.5	
Z36715	A	Not transcription factor	37527_at	6357	regulation of transcription from Pol II promoter	-1.3	1.6	1.9	1.9	2.3	3.4	2.6	
L78833	A	BRCA1, Rho7 and vatt genes	604_at	6357	regulation of transcription from Pol II promoter	-1.3	-3.1	-1.2	2.0	23.1	4.7	6.6	
V01512	A	cellular oncogene c-fos	1916_s_at	6357	regulation of transcription from Pol II promoter	-1.3	1.8	2.9	4.7	7.1	6.4	5.1	
M29939	A	transactivator (Jun-B) gene	2049_s_at	6357	regulation of transcription from Pol II promoter	-1.3	-1.2	2.4	1.5	1.4	-1.5	3.1	
U48730	A	transcription factor Stat5b (stat5b)	472_at	6357	regulation of transcription from Pol II promoter	-1.1	1.7	-1.9	-3.3	1.7	-1.2	-1.5	
U64805	A	Brcal-delta11b (Brcal1)	33724_at	6357	regulation of transcription from Pol II promoter	1.4	-1.3	1.5	1.4	2.0	2.0	2.5	
V01512	A	cellular oncogene c-fos	1915_s_at	6357	regulation of transcription from Pol II promoter	1.1	1.6	1.9	2.5	3.0	2.2	3.5	
AF006513	A	CHD1	39231_at	6357	regulation of transcription from Pol II promoter	-1.2	1.2	1.1	3.2	2.0	2.7	2.2	

GenBank	Group	Affymetric	GO id	GO Biological Process	0	4	6	8	12	16	24
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id							
V00568	A	c-myc oncogene	37724_at	6357	regulation of transcription from Pol II promoter	-1.2	1.2	2.5	2.1	1.6	1.9
X64229	A	dek	38992_at	6357	regulation of transcription from Pol II promoter	1.0	1.1	1.3	1.8	2.0	2.6
X48213	B	D-site binding protein gene	40274_at	6357	regulation of transcription from Pol II promoter	1.1	1.6	-1.5	-1.2	-2.3	-1.5
D89928		HKL1	37106_at	6357	regulation of transcription from Pol II promoter	1.1	-1.1	-1.9	2.6	-1.2	-1.6
X77956		Id1	36617_at	6357	regulation of transcription from Pol II promoter	1.4	1.1	4.4	2.4	1.0	1.0
X77956		Id1	36618_q_at	6357	regulation of transcription from Pol II promoter	-1.4	1.0	2.6	1.5	-1.1	-1.3
X51345		jun-B JUN-B protein	32786_at	6357	regulation of transcription from Pol II promoter	-1.1	-1.1	2.8	-1.1	1.1	-1.4
U69609		transcriptional repressor (GCF2)	41320_s_at	6357	regulation of transcription from Pol II promoter	1.4	-1.2	-1.4	1.9	1.2	-1.1
AB091532	A	UKLF ubiquitous Kruppel like factor	34217_at	6357	regulation of transcription from Pol II promoter	1.1	1.2	1.4	2.0	2.5	1.7
AA478904	A	zv2005 r1 cDNA	34216_at	6357	regulation of transcription from Pol II promoter	-1.1	-1.1	1.5	2.3	3.3	2.8
U93868	A	RNA polymerase III subunit (RPC32)	31571_at	6359	regulation of transcription from Pol III promoter	1.1	-1.3	1.5	6.5	2.2	4.0
L39060	A	transcription factor SL1	35006_at	6360	transcription from Pol I promoter	-1.8	-1.2	1.0	3.0	2.6	4.1
X98494		M phase phosphoprotein 10	33797_at	6364	rRNA processing	1.0	-1.3	3.0	2.0	1.1	1.0
U72514	A	Czf	39367_at	6364	rRNA processing	1.1	-1.2	1.1	1.0	1.4	1.4
U59151	A	Cbf5p homolog (CBF5)	34829_at	6364	rRNA processing	1.1	1.0	1.3	2.5	2.7	1.7
AL050353	A	DKFZp547C0410	36968_s_at	6364	rRNA processing	1.1	1.2	-1.2	1.7	2.0	2.6
X13293		B-myb gene	1854_at	6366	transcription from Pol II promoter	2.2	-1.3	1.0	1.1	3.1	1.3
D14520		GC-Box binding protein BTEB2	37926_at	6366	transcription from Pol II promoter	-1.3	1.3	2.6	1.6	1.2	1.2
D14041	A	H-2K binding factor-2	40818_at	6366	transcription from Pol II promoter	-1.3	1.3	-1.6	2.6	2.5	1.8
AB020634		KIAA0827	40713_at	6366	transcription from Pol II promoter	1.5	6.0	11.7	1.9	1.6	6.1
Y07867	B	Plrin, isolate 1	35724_at	6366	transcription from Pol II promoter	1.2	-1.1	-1.4	-1.8	-2.9	-2.7
Z50194	A	PQ-rich protein	36239_at	6366	transcription from Pol II promoter	1.2	1.0	11.2	12.9	3.8	9.4
Y10746	A	protein containing MBD 1	41828_at	6366	transcription from Pol II promoter	-1.2	1.0	-1.4	1.5	1.6	1.4
AJ005770		putative transcription factor	35186_at	6366	transcription from Pol II promoter	-1.1	1.3	1.3	2.7	1.6	1.2
L24203	B	ataxia-telangiectasia group D-associated protein	1898_at	6366	transcription from Pol II promoter	1.2	-1.4	-1.2	-2.3	-2.3	-3.4
M37197	A	CCAAT-box-binding factor (CBF)	229_at	6366	transcription from Pol II promoter	-1.4	-1.4	1.0	3.5	1.4	2.0
X66867		max gene	422_s_at	6366	transcription from Pol II promoter	1.1	1.0	2.9	1.5	-1.2	1.0
L19872		AH-receptor	40516_at	6366	transcription from Pol II promoter	1.4	-1.8	-1.2	1.9	1.3	1.4
M37197	A	CCAAT-box-binding factor (CBF)	32194_at	6366	transcription from Pol II promoter	-1.3	1.0	-1.1	2.8	1.4	1.1
AF070641	A	clone 24421 sequence	37156_at	6366	transcription from Pol II promoter	4.7	-1.5	3.3	2.5	7.1	3.4
AL049381	B	DKFZp586J2118	33355_at	6366	transcription from Pol II promoter	1.3	-1.1	1.4	-2.3	1.0	-1.7
U13220	A	Forkhead protein FREAC-2	36319_at	6366	transcription from Pol II promoter	1.1	-1.1	1.4	1.0	2.6	1.6
M95585		hepatic leukemia factor (HLF)	38627_at	6366	transcription from Pol II promoter	-2.0	1.9	-6.5	3.2	-1.1	-3.6
U74612	A	hepatocyte nuclear factor-3/k head homolog 11A (HFH-11A)	34715_at	6366	transcription from Pol II promoter	1.8	-1.1	1.4	1.1	2.3	2.4
X58072	B	hGATA3 trans-acting T-cell specific transcription factor	40511_at	6366	transcription from Pol II promoter	1.0	-1.4	-2.2	-1.5	-2.4	-4.5
U96131	A	HPV16 E1 protein binding protein	36813_at	6366	transcription from Pol II promoter	1.2	1.1	1.1	1.7	3.6	5.1
AF064094		KLO4P	37789_at	6366	transcription from Pol II promoter	-6.4	-1.5	-2.0	-1.4	1.6	-1.2
X60287		max	1981_s_at	6366	transcription from Pol II promoter	1.8	1.0	3.1	1.4	-1.5	-1.5
U13044		nuclear respiratory factor-2 subunit alpha	37245_at	6366	transcription from Pol II promoter	-1.2	-1.5	1.6	-1.8	-1.5	7.0
U44754	A	PSE-binding factor PTF gamma subunit	35488_at	6366	transcription from Pol II promoter	-1.1	1.1	-1.2	2.7	1.7	1.9
X80878		R kappa B	39137_at	6366	transcription from Pol II promoter	2.2	1.1	1.1	-3.7	1.0	2.5
U26914		ras-responsive element binding protein (RREB-1)	1714_at	6366	transcription from Pol II promoter	1.1	-1.1	3.6	1.2	-1.3	-1.7
AF055376	B	short m transcription factor C-MAF (c-maf)	41505_r_at	6366	transcription from Pol II promoter	-1.4	1.8	-4.0	-2.1	-2.2	-17.5
AF055376	B	short m transcription factor C-MAF (c-maf)	41504_s_at	6366	transcription from Pol II promoter	-1.6	2.7	-7.1	-3.3	-2.4	-5.8
L39060	A	transcription factor SL1	35006_at	6366	transcription from Pol II promoter	-1.8	-1.2	1.0	3.0	2.6	4.1
AA845349	B	ak01g01.s1 cDNA	37348_s_at	6366	transcription from Pol II promoter	-1.1	1.5	-1.5	1.1	-1.3	-1.3
AL050135	B	DKFZp586K091	32144_at	6366	transcription from Pol II promoter	-1.5	-1.2	-1.8	-1.3	-1.9	-1.2
AI817618		wk39f01.x1 cDNA	37349_r_at	6366	transcription from Pol II promoter	-1.6	1.2	-1.4	-3.2	-3.4	-2.6
X16901	A	RAP30 subunit of transcription initiation factor RAP30	36510_at	6367	transcription initiation from Pol II promoter	-1.2	-1.1	-1.4	2.1	1.5	2.0
X16901	A	RAP30 subunit of transcription initiation factor RAP30	36510_at	6368	RNA elongation from Pol II promoter	-1.2	-1.1	-1.4	2.1	1.5	2.0
X66975		heterogeneous nuclear ribonucleoprotein	40593_at	6371	mRNA splicing	-1.1	1.2	1.1	1.0	1.7	2.7
J03798		autoantigen small nuclear ribonucleoprotein Sm-D	37949_at	6371	mRNA splicing	4.6	1.0	2.0	2.2	4.6	1.1
L21990		spliceosomal protein (SAP 62) gene	37462_i_at	6371	mRNA splicing	1.2	-1.3	-3.1	-2.2	-1.4	-1.4
L41887	A	splicing factor, arginine/serine-rich 7 (SFRS7)	32165_at	6371	mRNA splicing	1.0	1.2	1.2	3.7	2.0	1.9
AF016369		U4/U6 small nuclear ribonucleoprotein hPrp4	37935_at	6371	mRNA splicing	2.6	1.2	2.5	2.4	2.2	1.1
AL031681		dJ862K6.2.2 (splicing factor, arginine/serine-rich 6 (SRP55-2))	35808_at	6376	mRNA splice site selection	-1.5	1.5	-1.3	1.4	1.3	2.7
X76770		PAP	34855_at	6378	mRNA polyadenylation	-1.3	1.7	-1.4	1.2	1.9	3.0
U44754	A	PSE-binding factor PTF gamma subunit	35488_at	6383	transcription from Pol III promoter	-1.1	1.1	-1.2	2.7	1.7	1.9
M62810	A	mitochondrial transcription factor 1	36191_at	6390	transcription from mitochondrial promoter	1.6	1.3	1.1	3.0	2.1	2.3
Y09615		mitochondrial transcription termination factor	41070_r_at	6393	RNA transcription termination from mitochondrial promoter	-1.8	1.8	-29.0	2.6	1.1	1.6
D89678		A+U-rich element RNA binding factor	40576_f_at	6396	RNA processing	1.2	1.3	-1.4	1.5	2.7	3.3
L36529	A	(clone N5-4) protein p84	40242_at	6396	RNA processing	-1.2	1.0	1.1	2.2	2.0	2.1
W27466	A	31c9 cDNA	32393_s_at	6396	RNA processing	-1.4	2.1	1.3	2.4	2.2	2.9
L41887	A	splicing factor, arginine/serine-rich 7 (SFRS7)	32165_at	6397	mRNA processing	1.0	1.2	1.2	3.7	2.0	1.9
AF027150		survival of motor neuron protein interacting protein 1	41363_at	6397	mRNA processing	-2.0	1.0	2.3	3.0	1.2	1.1
AL031387		dJ596C15.1.1 (novel protein) (isom 1)	35136_at	6397	mRNA processing	1.6	1.0	-3.2	1.2	1.2	1.5
Z97029	A	ribonuclease H I large subunit	35141_at	6401	RNA catabolism	1.5	-2.4	1.7	-2.2	1.2	2.9
M92843	A	zinc finger transcriptional regulator	40448_at	6402	mRNA catabolism	1.1	1.0	1.6	1.3	1.8	1.7
D83781	A	KIAA0197	34253_at	6406	mRNA-nucleus export	1.5	1.0	-2.1	1.2	1.4	2.1
AL030996		dJ1189B24.4 (novel PUTATIVE protein)	32124_at	6406	mRNA-nucleus export	-1.3	1.5	4.5	3.8	2.7	2.1
AL031387		dJ596C15.1.1 (novel protein) (isom 1)	35136_at	6406	mRNA-nucleus export	1.6	1.0	-3.2	1.2	1.2	1.5
D32050		alanyl-tRNA synthetase	36185_at	6412	protein biosynthesis	1.1	-1.2	-1.2	1.0	-1.1	1.0
X55954		HL23 ribosomal protein homologue	32394_s_at	6412	protein biosynthesis	-3.2	-1.5	1.1	-3.0	-2.0	2.5
X55954		HL23 ribosomal protein homologue	32395_r_at	6412	protein biosynthesis	-2.8	-1.1	1.3	-1.8	-1.5	2.7
X06617		ribosomal protein S11	32330_at	6412	protein biosynthesis	-3.1	-1.2	-1.1	-2.9	-2.0	1.2
X04754		yeast methionyl-tRNA synthetase homologue	39342_at	6412	protein biosynthesis	1.2	1.1	1.3	1.0	1.0	1.2
M60974	A	growth arrest and DNA-damage-inducible protein	1911_s_at	6412	protein biosynthesis	1.2	1.1	-1.2	2.1	1.5	1.6
L06845		cysteinyl-tRNA synthetase	40408_at	6412	protein biosynthesis	-1.2	1.1	-1.3	-1.1	-1.3	-2.2
AF054186		p18 protein	40587_s_at	6412	protein biosynthesis	1.1	-2.2	1.7	1.4	2.4	3.2

GenBank		Affymetrix				Fold Change									
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24			
AL050151	A	DKF Zp586J0720	38505_at	6412	protein biosynthesis	-1.2	1.2	1.1	1.5	3.1	3.6	3.6			
AL049705		PAC 262D12, chromosome 1	32732_at	6412	protein biosynthesis	-1.4	1.3	1.7	-1.1	-1.4	-9.3	-1.6			
AI768188		wg82b12.x1 cDNA	40813_at	6412	protein biosynthesis	1.4	1.1	-1.7	2.0	3.4	3.6	-1.2			
X59303		G7a valyl-tRNA synthetase	40414_at	6414	translational elongation	1.7	-1.5	-1.5	-3.5	-1.8	-3.2	1.1			
L36055	A	4E-binding protein 1	31597_r_at	6417	regulation of protein biosynthesis	2.1	1.3	1.4	1.3	3.5	3.8	5.8			
D32050		alanyl-tRNA synthetase	36185_at	6419	alanyl-tRNA aminoacylation	1.1	-1.2	-1.2	1.0	-1.1	1.0	2.7			
L06845	A	cysteinyl-tRNA synthetase	40408_at	6423	cysteinyl-tRNA aminoacylation	-1.2	1.1	-1.3	-1.1	-1.3	-2.2	3.0			
U09510	A	glycyl-tRNA synthetase	36581_at	6426	glycyl-tRNA aminoacylation	-1.5	1.1	-1.3	1.5	1.6	1.9	2.9			
U09410	A	glycyl-tRNA synthetase	36582_g_at	6426	glycyl-tRNA aminoacylation	1.0	-1.1	-1.1	1.4	1.1	1.3	4.0			
M63180	A	threonyl-tRNA synthetase	38473_at	6435	threonyl-tRNA aminoacylation	-1.1	-1.1	-1.5	1.2	1.3	1.3	2.6			
X59303		G7a valyl-tRNA synthetase	40414_at	6438	valyl-tRNA aminoacylation	1.7	-1.5	-1.5	-3.5	-1.8	-3.2	1.1			
U79273		clone 23933 sequence	36234_at	6441	binding to mRNA cap	2.5	-1.1	1.3	2.0	1.4	-1.4	1.3			
AB011123	B	KIAA0551	32880_at	6445	regulation of translation	-1.4	1.4	-1.4	-1.2	-1.4	-1.6	-3.5			
L36055	A	4E-binding protein 1	31597_r_at	6445	regulation of translation	2.1	1.3	1.4	1.3	3.5	3.8	5.8			
AB018273	A	KIAA0730	32102_at	6457	protein folding	1.3	1.0	2.2	3.1	1.7	2.7	2.1			
AF036927	B	adenyl cyclase type IX	33800_at	6457	protein folding	1.1	1.0	1.2	-1.8	-1.2	-1.8	-3.7			
Y00371		hsc70 gene 71 kd heat shock cognate protein	40637_at	6457	protein folding	1.0	1.0	2.6	-1.2	-1.3	1.1	-1.5			
X63368	B	HSJ1	37365_at	6457	protein folding	-1.2	-1.3	1.0	-1.9	-2.2	-2.4	-3.4			
X75621	B	TSC2 tuberin	38813_at	6457	protein folding	1.4	-1.7	-1.5	-2.4	-1.9	-3.0	-2.5			
AL038340	B	DKF Zp566K192	32243_g_at	6457	protein folding	-1.2	-1.1	-1.7	-1.9	-2.3	-3.8	-4.9			
AL038340	B	DKF Zp566K192_s1	32242_at	6457	protein folding	-1.1	-1.1	-1.5	-1.9	-3.0	-4.3	-4.4			
X89101		Fas (Apo-1, CD95)	1808_s_at	6461	protein complex assembly	1.7	-1.3	2.0	1.8	1.2	5.7	-1.1			
X83490		Fas/Apo-1	1440_s_at	6461	protein complex assembly	-1.1	-1.1	3.9	1.7	1.4	1.6	1.4			
X83492		Fas/Apo-1	1441_s_at	6461	protein complex assembly	-1.9	-1.5	-2.2	2.5	1.0	3.1	1.8			
D79988		KIAA0166	37489_at	6461	protein complex assembly	3.9	1.5	-1.2	1.0	2.4	1.3	3.5			
U73704		48 kDa FKBP-associated protein FAP48	39893_at	6461	protein complex assembly	1.8	-1.2	1.4	1.0	1.2	2.5	-1.2			
U20979	A	chromatin assembly factor-1 p150 subunit	32589_at	6461	protein complex assembly	1.1	-1.4	-1.2	-2.0	2.7	3.9	3.1			
U20980	A	chromatin assembly factor-1 p60 subunit	36812_at	6461	protein complex assembly	3.2	-1.1	1.2	-2.2	9.3	5.6	3.6			
L19711	B	dystroglycan (DAG1)	36989_at	6461	protein complex assembly	-1.1	-1.2	-1.1	-2.4	-2.3	-2.1	-3.1			
AF015926	B	ezzrin-radixin-moesin binding phosphoprotein-50	32174_at	6461	protein complex assembly	1.0	-1.1	1.1	-1.7	-1.9	-3.0	-3.6			
X66894		FACC from complementation group C (FA(C))	35713_at	6461	protein complex assembly	-3.6	2.0	1.5	1.1	4.3	1.2	2.5			
U60319		haemochromatosis protein (HLA-H)	38913_at	6461	protein complex assembly	3.5	1.2	1.3	1.1	-2.5	-1.2	-1.1			
AF064606		KB07 protein	36437_s_at	6461	protein complex assembly	1.7	1.4	1.2	2.5	1.2	-1.2	2.7			
X07024		X chromosome mRNA for CCG1 protein	112_g_at	6461	protein complex assembly	3.1	1.2	2.7	-1.9	-1.2	-1.7	1.2			
W28255		44b8 cDNA	40984_at	6461	protein complex assembly	23.3	1.1	1.9	1.4	-1.2	4.0	-2.6			
AI190165	A	qd57d10.x1 cDNA	34451_at	6461	protein complex assembly	1.4	-1.1	-1.4	2.3	2.0	2.2	2.9			
AI337192		qx88h10.x1 cDNA	36040_at	6461	protein complex assembly	-1.5	-1.3	-3.7	1.7	1.0	-1.2	-1.8			
X51405		carboxypeptidase E (EC 3.4.17.10)	36606_at	6464	protein modification	1.2	1.2	-2.6	1.8	-1.2	-2.6	-1.9			
AB017566		lipoyltransferase	37441_at	6464	protein modification	-1.7	3.3	2.7	2.8	-1.5	2.8	5.1			
U47077		DNA-dependent protein kinase catalytic subunit	1250_at	6464	protein modification	1.3	1.1	-3.1	-1.2	1.1	1.4	1.3			
U60337	B	beta-mannosidase	37472_at	6464	protein modification	-1.5	1.1	-1.1	-1.2	1.1	-1.5	-3.1			
L06419		lysyl hydroxylase (PLOD)	36194_at	6464	protein modification	-1.4	-1.4	-1.7	-2.6	-1.1	1.2	1.1			
L16895	B	lysyl oxidase (LX) gene, exon 7	38637_at	6464	protein modification	1.3	-1.1	-1.7	1.0	-2.1	-4.0	-6.8			
U24389		lysyl oxidase-like protein gene	36811_at	6464	protein modification	1.0	-1.2	1.9	-3.0	1.8	-1.4	-2.2			
AA151922		zo30d07.r1 cDNA	32721_at	6464	protein modification	1.6	-1.2	-3.3	1.7	-1.2	-1.2	1.8			
D87119	A	GS3955	717_at	6468	protein amino acid phosphorylation	1.3	1.0	1.0	3.8	4.8	4.2	6.5			
X06318		protein kinase C (PKC) type beta I	1336_s_at	6468	protein amino acid phosphorylation	-1.9	-2.6	-1.1	1.6	-2.5	-1.1	1.7			
Y10032	B	putative serine/threonine protein kinase	973_at	6468	protein amino acid phosphorylation	1.5	-1.2	1.7	-1.4	-1.2	-2.3	-3.0			
X99325		Ste20-like kinase	399_at	6468	protein amino acid phosphorylation	1.3	-6.0	2.5	-1.6	1.0	-1.4	1.3			
D88357	A	CDC2 delta T	33324_s_at	6468	protein amino acid phosphorylation	1.7	1.6	1.3	1.7	1.9	8.4	8.1			
X03663		c-fms proto-oncogene	160022_at	6468	protein amino acid phosphorylation	-1.5	-2.1	-1.3	-1.5	-2.0	-10.7	-1.2			
AB011420	A	DRAK1	38822_at	6468	protein amino acid phosphorylation	1.4	-1.1	1.3	2.2	2.7	1.7	2.5			
D83492	B	Eph-family protein	39930_at	6468	protein amino acid phosphorylation	-1.1	-1.6	-1.1	-1.9	-2.2	-5.3	-2.4			
D87119	A	GS3955	40113_at	6468	protein amino acid phosphorylation	1.7	1.0	1.6	3.6	3.3	4.6	5.8			
D79997	A	KIAA0175	38847_at	6468	protein amino acid phosphorylation	-1.1	1.2	1.3	1.2	2.0	2.9	5.5			
AB002367		KIAA0369	38957_at	6468	protein amino acid phosphorylation	-1.5	1.1	-1.7	2.0	-1.2	-4.1	-3.0			
AB011108		KIAA0536	32784_at	6468	protein amino acid phosphorylation	2.8	-1.2	-1.4	1.5	1.0	1.0	1.0			
AB011123	B	KIAA0551	32680_at	6468	protein amino acid phosphorylation	-1.4	1.4	-1.4	-1.2	-1.4	-1.6	-3.5			
AB014587	A	KIAA0687	35694_at	6468	protein amino acid phosphorylation	1.1	1.0	-1.6	1.3	1.7	1.2	2.8			
AB020641	A	KIAA0834	36502_at	6468	protein amino acid phosphorylation	1.1	-1.2	-1.5	2.8	2.4	2.9	1.6			
AB023153	B	KIAA0936	41431_at	6468	protein amino acid phosphorylation	1.3	-1.1	-1.5	-1.7	-2.9	-1.9	-2.0			
AB023182	A	KIAA0965	32182_at	6468	protein amino acid phosphorylation	1.1	1.0	2.6	2.1	2.5	1.4	2.2			
X66360		PCTAIRE-2 serine/threonine protein kinase	39873_at	6468	protein amino acid phosphorylation	-1.1	-1.6	2.6	1.1	1.1	1.1	1.9			
AB000449	A	VRK1	39980_at	6468	protein amino acid phosphorylation	1.2	-1.4	1.6	1.3	1.4	3.4	3.1			
X05360	A	CDC2 gene involved in cell cycle control	1803_at	6468	protein amino acid phosphorylation	-1.5	1.1	1.6	1.8	2.8	2.8	4.6			
M15990	A	c-yes-1	1674_at	6468	protein amino acid phosphorylation	-1.8	1.1	-1.3	2.2	1.7	2.5	1.5			
X60188	B	ERK1 protein serine/threonine kinase	1000_at	6468	protein amino acid phosphorylation	1.0	-1.1	-1.3	-1.4	-1.3	-2.8	-1.5			
AF035121		KDR/Itk-1 protein	1954_at	6468	protein amino acid phosphorylation	1.4	-1.7	1.0	-1.1	4.3	-3.6	-2.9			
M86699	A	kinase (TTK), complete cds	572_at	6468	protein amino acid phosphorylation	1.7	1.2	-1.5	2.5	6.0	7.2	11.3			
U33052		lipid-activated, protein kinase PRK2	199_s_at	6468	protein amino acid phosphorylation	-1.1	1.0	3.3	1.5	1.1	1.1	1.2			
L05624	A	MAP kinase kinase, complete cds	1844_s_at	6468	protein amino acid phosphorylation	1.7	1.6	1.1	2.7	2.5	2.2	3.7			
U43784		mitogen activated protein kinase activated protein	1991_s_at	6468	protein amino acid phosphorylation	-1.1	1.3	-1.3	-2.5	-1.3	-1.4	-1.2			
X66363	B	PCTAIRE-1 serine/threonine protein kinase	1224_at	6468	protein amino acid phosphorylation	1.2	1.3	-2.0	-1.6	-1.5	-2.6	-1.2			
X66360		PCTAIRE-2 serine/threonine protein kinase	1222_at	6468	protein amino acid phosphorylation	1.7	-1.1	1.2	-1.1	1.3	-1.4	2.8			
M16750	A	pin-1 oncogene	1779_s_at	6468	protein amino acid phosphorylation	-1.2	-1.3	2.3	1.8	2.4	1.9	3.6			
L26318		protein kinase (JNK1)	2070_l_at	6468	protein amino acid phosphorylation	1.0	-2.2	12.3	-1.5	-1.8	1.1	57.2			
M64174	B	protein-tyrosine kinase (JAK1)	1457_at	6468	protein amino acid phosphorylation	1.4	1.5	1.1	-1.7	-1.7	-3.4	-1.9			
L36645		receptor protein-tyrosine kinase	1606_at	6468	protein amino acid phosphorylation	-2.3	1.0	1.2	-1.2	-2.5	-8.6	-6.3			
D17517		Sky	2086_s_at	6468	protein amino acid phosphorylation	1.4	1.2	-1.7	-1.1	2.3	2.5	1.7			

GenBank		Affymetrix				Fold Change						
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
M97675		transmembrane receptor (ror1)	213_at	6468	protein amino acid phosphorylation	1.0	-1.2	2.3	-1.1	-1.5	-1.9	-2.8
L11695		activin receptor-like kinase (ALK-5)	32903_at	6468	protein amino acid phosphorylation	2.8	-5.4	1.2	1.0	-1.2	2.8	-1.4
U29725	B	BMK1 alpha kinase	35617_at	6468	protein amino acid phosphorylation	-1.1	-1.3	-1.2	-1.9	-1.7	-2.9	-1.4
M95712		B-raf	1654_at	6468	protein amino acid phosphorylation	-1.2	1.2	-2.9	-2.0	-1.5	1.3	-1.2
U66063	B	calcium/calmodulin-dependent protein kinase II	32104_i_at	6468	protein amino acid phosphorylation	1.2	-1.4	-1.8	-1.9	-2.7	-3.2	-2.7
Y00272	A	cell cycle control gene CDC2	40915_r_at	6468	protein amino acid phosphorylation	-1.8	-1.1	-1.5	1.2	1.5	7.8	3.9
AF016582		checkpoint kinase Chk1 (CHK1)	38920_at	6468	protein amino acid phosphorylation	-1.3	-1.4	6.2	22.1	1.2	2.0	11.9
X76104	B	DAP-kinase	40049_at	6468	protein amino acid phosphorylation	1.2	1.5	-1.2	-2.0	-1.2	-1.4	-2.6
M34309	B	epidermal growth factor receptor (HER3)	15851_at	6468	protein amino acid phosphorylation	1.0	-1.6	-1.4	-2.3	-1.7	-5.1	-1.5
AF001862	B	epidermal growth factor receptor (HER3)	32787_at	6468	protein amino acid phosphorylation	-1.1	-1.3	-3.2	-2.0	-1.7	-2.3	-2.3
AF015331		FYM binding protein	41819_at	6468	protein amino acid phosphorylation	-1.9	1.2	-3.3	-1.2	-1.8	-3.1	-20.9
L36870		MAP kinase kinase 4 (MKK4)	37170_at	6468	protein amino acid phosphorylation	-1.1	-1.2	2.7	1.6	1.7	1.3	-2.1
U67156	A	mitogen-activated kinase kinase 5 (MAPKKK5)	1845_at	6468	protein amino acid phosphorylation	1.0	1.5	-1.4	1.4	2.0	2.6	-2.0
AF053305	A	mitotic checkpoint kinase Bub1 (BUB1)	41081_at	6468	protein amino acid phosphorylation	1.2	1.3	-5.3	2.1	2.2	7.2	7.6
AF097738	B	non-receptor tyrosine kinase (TNK1) gene	38922_at	6468	protein amino acid phosphorylation	1.2	-1.3	-4.0	-4.4	-1.4	-1.9	-2.3
U01038	A	pLK	37228_at	6468	protein amino acid phosphorylation	1.1	1.1	1.5	-1.5	5.7	1.9	6.6
U18934		receptor tyrosine kinase (DTK)	35246_at	6468	protein amino acid phosphorylation	1.2	1.3	-1.5	-1.2	2.3	2.9	1.6
AF011468	A	serine/threonine kinase (BTAk)	34851_at	6468	protein amino acid phosphorylation	1.0	1.4	1.1	1.0	1.6	2.7	4.9
AF011468	A	serine/threonine kinase (BTAk)	34852_g_at	6468	protein amino acid phosphorylation	1.1	1.0	1.4	1.2	1.3	2.4	3.9
AF015254	A	serine/threonine kinase (STK-1), complete cds /cds	33266_at	6468	protein amino acid phosphorylation	2.1	1.1	1.1	1.0	2.5	1.9	4.4
AF045458	B	serine/threonine kinase ULK1 (ULK1)	34827_at	6468	protein amino acid phosphorylation	1.1	-1.3	-1.6	-3.2	-3.4	-2.4	-1.9
U59305		ser-thr protein kinase PK428	39962_at	6468	protein amino acid phosphorylation	-2.0	1.1	3.2	1.8	-1.3	-22.7	1.5
AF099989	A	Ste-20 related kinase SPAK	40966_at	6468	protein amino acid phosphorylation	-1.1	-1.1	-1.6	1.1	1.4	1.5	2.6
X62048		Wee1	38909_at	6468	protein amino acid phosphorylation	1.1	2.4	-1.5	2.0	4.1	3.4	3.9
X07024		X chromosome mRNA for CCG1 protein	112_g_at	6468	protein amino acid phosphorylation	3.1	1.2	2.7	-1.9	-1.2	-1.7	1.2
AA902713	B	okT111 s1 cDNA	39389_at	6468	protein amino acid phosphorylation	1.0	-1.4	-1.9	-1.6	-2.8	-2.1	4.6
S59184	A	related to receptor tyrosine kinase	37756_at	6468	protein amino acid phosphorylation	-1.9	1.2	1.3	3.1	1.9	1.7	1.3
S59184		RYK-related to receptor tyrosine kinase	539_at	6468	protein amino acid phosphorylation	-1.1	1.4	2.3	1.2	-1.9	-3.4	1.1
AB013382	A	DUSP6	41193_at	6470	protein amino acid dephosphorylation	1.2	1.2	16.2	24.1	26.3	31.3	143.4
U15932	A	dual-specificity protein phosphatase	529_at	6470	protein amino acid dephosphorylation	1.1	-1.1	4.1	4.3	3.2	4.9	24.0
U48807	A	MAP kinase phosphatase (MKP-2)	1788_s_at	6470	protein amino acid dephosphorylation	1.1	-1.5	10.3	5.5	4.3	4.9	4.3
M93425	A	protein tyrosine phosphatase (PTP-PEST)	1463_at	6470	protein amino acid dephosphorylation	-1.2	1.1	2.2	2.1	2.4	1.8	3.7
M81933		cdc25A	1738_at	6470	protein amino acid dephosphorylation	1.4	1.5	-1.5	1.4	5.8	4.2	3.8
M81933	A	cdc25A	35407_at	6470	protein amino acid dephosphorylation	-2.3	-1.1	1.8	1.1	5.6	4.4	6.2
X54134	A	HPTP epsilon protein tyrosine phosphatase epsilon	32916_at	6470	protein amino acid dephosphorylation	1.3	-1.1	4.2	2.1	2.5	3.1	5.3
X58288		hR-PTP gene protein tyrosine phosphatase	31892_at	6470	protein amino acid dephosphorylation	1.1	-1.1	-2.6	1.3	1.2	1.0	-1.5
X58288		hR-PTP gene protein tyrosine phosphatase	994_at	6470	protein amino acid dephosphorylation	1.1	-1.1	-2.6	1.3	1.2	1.0	-1.5
X58288		hR-PTP gene protein tyrosine phosphatase	995_g_at	6470	protein amino acid dephosphorylation	1.1	-1.1	-2.6	1.3	1.2	1.0	-1.5
U93181	B	nuclear dual-specificity phosphatase (SBF1)	39835_at	6470	protein amino acid dephosphorylation	1.1	-1.4	1.1	-1.2	1.2	-2.1	-2.5
M60483		protein phosphatase 2A catalytic subunit-alpha gene	237_s_at	6470	protein amino acid dephosphorylation	-2.4	1.1	1.7	6.1	1.1	2.0	2.7
AF010670		protein phosphatase 2C alpha 2	36435_at	6470	protein amino acid dephosphorylation	-1.6	-1.1	-1.1	1.9	1.0	5.7	1.6
M25393	A	protein tyrosine phosphatase (PTPase)	1264_at	6470	protein amino acid dephosphorylation	1.0	1.1	-1.5	3.3	2.1	3.2	2.7
M93426	A	protein tyrosine phosphatase zeta-polypeptide	1364_at	6470	protein amino acid dephosphorylation	-1.3	1.5	-1.2	2.1	3.1	3.6	3.3
AL049338		DKFzP564P116	33910_at	6470	protein amino acid dephosphorylation	6.1	14.4	-1.1	5.7	1.3	17.2	3.6
Ai655015	A	wb66a10.x1 cDNA	39932_at	6470	protein amino acid dephosphorylation	-1.2	1.8	2.3	1.3	2.9	2.9	4.1
AJ236876	A	poly(ADP-ribose) polymerase-2	34755_at	6471	protein amino acid ADP-ribosylation	1.0	-1.2	1.2	1.0	1.5	1.9	2.7
M63904	A	G-alpha 16 protein	40365_at	6471	protein amino acid ADP-ribosylation	1.2	-1.2	1.0	1.0	1.5	1.5	2.8
AF030424	A	histone acetyltransferase 1	41855_at	6475	internal protein amino acid acetylation	1.4	1.0	1.3	1.4	1.5	2.6	3.9
AF059531	A	protein arginine N-methyltransferase 3 (PRMT3)	34998_at	6480	N-terminal protein amino acid methylation	-1.2	1.1	-1.9	2.8	1.9	2.3	2.4
Y15062		GaT3 protein	39293_at	6486	protein amino acid glycosylation	4.1	1.2	-2.1	-1.2	6.9	-1.2	1.2
U14550	B	sialyltransferase STHM (sthn)	34693_at	6486	protein amino acid glycosylation	1.0	-1.1	-2.0	-1.8	-2.3	-2.7	-2.8
X87237		mRNA for processing a-glucosidase I	38464_at	6487	N-linked glycosylation	1.4	1.2	2.6	1.1	1.3	-1.2	-1.2
X74837		HUMM9	39613_at	6487	N-linked glycosylation	-3.6	2.6	1.3	1.5	1.5	1.9	2.4
AF027156		alpha 1,2-mannosidase IB	41298_at	6491	N-glycan processing	-1.2	2.5	-4.9	2.2	1.2	1.2	-1.2
U41514	A	UDP-GalNAc-polypeptide N-acetylgalactosaminyltransferase	38041_at	6493	O-linked glycosylation	-1.1	-1.1	1.0	2.6	2.0	1.8	1.2
X51405		carboxypeptidase E (EC 3.4.17.10)	36606_at	6508	proteolysis and peptidolysis	1.2	1.2	-2.6	1.8	-1.2	-2.6	-1.9
D79987	A	KIAA0165	38159_at	6508	proteolysis and peptidolysis	1.4	-1.2	-1.6	1.2	2.1	1.9	4.8
AB019340		KIAA0797	33934_at	6508	proteolysis and peptidolysis	1.0	1.1	1.4	3.0	1.4	1.0	1.7
X98172	A	MACH-alpha-1 protein	33774_at	6508	proteolysis and peptidolysis	-1.3	1.2	1.4	3.3	1.7	2.2	1.6
AB012917		serine protease (TLSP)	40035_at	6508	proteolysis and peptidolysis	-2.5	-1.2	-1.8	-1.3	-1.5	-1.5	-1.1
X01060		transferrin receptor	37324_at	6508	proteolysis and peptidolysis	1.3	1.1	1.1	2.2	1.5	-1.1	-3.7
D26579	A	transmembrane protein	40712_at	6508	proteolysis and peptidolysis	1.3	-1.2	1.7	2.4	3.4	3.0	7.4
X71345	A	trypsinogen IV b-m	40043_at	6508	proteolysis and peptidolysis	-1.6	1.8	-1.1	1.2	2.0	1.9	4.6
M63138	B	cathepsin D (catD)	239_at	6508	proteolysis and peptidolysis	1.3	-1.4	-2.3	-2.9	-1.9	-3.9	-1.7
J03779	B	common acute lymphoblastic leukemia antigen	1389_at	6508	proteolysis and peptidolysis	-1.1	1.2	1.2	1.1	-2.0	-2.5	-3.2
X17094	A	furin	35338_at	6508	proteolysis and peptidolysis	1.7	1.1	1.6	1.2	4.6	2.0	1.8
L23808		metalloproteinase (HME)	1481_at	6508	proteolysis and peptidolysis	-2.6	1.0	1.0	1.7	-1.2	-3.0	5.9
M57888		(clone lambda B34) cytotoxic T-lymphocyte-associated serine estera	32370_at	6508	proteolysis and peptidolysis	-4.6	-1.1	2.6	1.8	1.2	-2.2	-1.8
M22488	B	bone morphogenetic protein 1 (BMP-1)	39407_at	6508	proteolysis and peptidolysis	3.6	-1.3	-1.7	-3.2	-2.1	-4.8	-1.6
AB028639		CAPN7 PalBH	32517_at	6508	proteolysis and peptidolysis	1.0	2.9	1.2	1.9	-1.2	-1.1	-1.5
AF005775		caspase-like apoptosis regulatory protein	1867_at	6508	proteolysis and peptidolysis	1.2	1.4	1.7	2.6	1.6	1.0	1.7
AL031985	A	DNA sequence from clone 228H13 on chromosome 1p34.1-35.3	35557_at	6508	proteolysis and peptidolysis	1.1	-1.1	4.1	2.8	-1.4	1.1	40.9
X63187	B	HE4 extracellular proteinase inhibitor homologue	33933_at	6508	proteolysis and peptidolysis	1.6	-1.1	-1.2	-1.7	-2.3	-3.2	-2.3
M69136		heart chymase	33924_at	6508	proteolysis and peptidolysis	1.4	-1.9	-2.8	-2.2	1.3	-2.3	-1.0
AF039704	B	lysosomal pepstatin insensitive protease (CLN2)	32824_at	6508	proteolysis and peptidolysis	1.2	-1.4	-2.7	-3.4	-2.3	-3.0	-1.4
L13977	B	prolylcarboxypeptidase	36672_at	6508	proteolysis and peptidolysis	-1.3	1.3	-1.1	-1.8	-2.7	-3.1	-3.0
AF037204		RING zinc finger protein (RZF)	35811_at	6508	proteolysis and peptidolysis	1.0	1.2	-2.5	1.4	1.4	1.3	1.6
L33404	B	stratum corneum chymotryptic enzyme	38143_at	6508	proteolysis and peptidolysis	-2.4	1.2	-1.2	-1.6	-1.6	-2.3	-3.9

GenBank			Affymetrix			Fold Change						
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
U14394		tissue inhibitor of metalloproteinases-3	1034_at	6508	proteolysis and peptidolysis	1.5	1.5	1.6	1.0	1.1	-3.2	-1.4
AL049415	A	DKFZp586N2119	33812_at	6508	proteolysis and peptidolysis	-1.1	1.8	1.0	1.4	4.9	2.8	1.6
X64810	B	Homo Sapiens encoding PC1/PC3	40649_at	6508	proteolysis and peptidolysis	1.4	1.0	-1.6	-1.9	-2.0	-2.5	-3.2
U66061		trypsinogen C	32796_f.at	6508	proteolysis and peptidolysis	-3.7	-1.2	1.3	-2.6	1.7	1.8	4.0
N48190		yz03f09.s1 cDNA	41254_at	6508	proteolysis and peptidolysis	-4.3	1.0	1.3	1.0	1.7	-9.7	1.4
D80012		KIAA0190	37683_at	6511	ubiquitin-dependent protein catabolism	1.7	1.0	1.2	1.3	1.1	1.0	2.6
AB014458	A	hUBP ubiquitin specific protease	34383_at	6511	ubiquitin-dependent protein catabolism	1.2	1.0	1.2	1.9	2.2	3.7	6.3
U05340	A	p55CDC	38414_at	6511	ubiquitin-dependent protein catabolism	1.5	1.0	1.3	1.0	1.7	4.0	4.5
D42055	A	KIAA0093	32078_at	6512	ubiquitin cycle	1.1	-1.1	1.2	1.5	1.2	-1.2	3.8
X85393		aspartylglucosaminidase	34181_at	6517	protein deglycosylation	-1.3	4.5	1.5	1.5	1.1	-1.8	-1.4
U60337	B	beta-mannosidase	37472_at	6517	protein deglycosylation	-1.5	1.1	-1.1	-1.2	-1.1	-1.5	-3.1
AJ011304		sphingosine-1-phosphate lyase	35875_at	6520	amino acid metabolism	-1.7	1.5	-2.4	-1.6	1.6	-3.2	-1.3
Z18956		taurine transporter	35121_at	6520	amino acid metabolism	4.1	-1.9	1.4	-1.2	-1.1	-1.4	-1.1
L00972	A	cystathionine-beta-synthase (CBS)	38474_at	6520	amino acid metabolism	-1.5	1.0	1.6	1.4	-1.1	1.1	3.7
S52028		cystathionine gamma-lyase (clone HCL-1)	32962_at	6520	amino acid metabolism	2.5	-1.5	1.9	-1.6	1.4	1.2	27.6
M27396		asparagine synthetase	36671_at	6529	asparagine biosynthesis	1.9	-1.1	-1.5	-1.1	-1.2	-1.2	8.4
L35546		gamma-glutamylcysteine synthetase light subunit	33163_r.at	6534	cysteine metabolism	-2.5	1.7	-1.6	1.1	1.2	1.4	1.9
L00972	A	cystathionine-beta-synthase (CBS)	38474_at	6535	cysteine biosynthesis from serine	-1.5	1.0	1.6	1.4	-1.1	1.1	3.7
M81883		glutamate decarboxylase (GAD67)	37183_at	6540	glutamate decarboxylation to succinate	2.5	1.1	2.0	3.1	-1.3	-2.1	8.5
M27396		asparagine synthetase	36671_at	6541	glutamine metabolism	1.9	-1.1	-1.5	-1.1	-1.2	-1.2	8.4
U00238		glutamine PRPP amidotransferase (GPAT)	34341_at	6541	glutamine metabolism	1.7	-1.3	2.7	2.6	-1.1	1.8	1.8
AB020645		KIAA0838	34719_at	6543	glutamine catabolism	1.1	-1.1	-2.5	1.4	1.4	1.0	1.2
J00140		dihydrofolate reductase gene	37913_at	6545	glycine biosynthesis	1.5	-1.1	1.0	-1.3	1.0	5.9	1.8
U19523	A	GTP cyclohydrolase I	37944_at	6559	phenylalanine catabolism	-1.2	1.2	1.1	1.8	2.9	2.1	3.5
M34455		interferon-gamma-inducible indoleamine 2,3-dioxygenase (IDO)	36904_at	6569	tryptophan catabolism	-1.5	1.0	1.1	1.5	1.5	-1.5	2.5
M68940	B	monoamine oxidase A (MAOA)	41772_at	6584	catecholamine metabolism	-1.3	1.4	-1.3	-1.1	-1.4	-2.0	-5.1
AA420624	B	nc51c12.r1 cDNA	41771_g.at	6584	catecholamine metabolism	-1.1	1.2	-1.4	-1.2	-1.8	-2.5	-4.5
X16277	A	gene ornithine decarboxylase ODC (EC 4.1.1.17)	36203_at	6596	polyamine biosynthesis	1.3	-1.4	1.1	1.8	1.5	1.7	2.8
M33764	A	ornithine decarboxylase gene	1081_at	6596	polyamine biosynthesis	1.3	-1.1	-1.1	2.4	1.9	2.3	4.0
S68805		L-arginine-glycine amidotransferase	36595_s.at	6601	creatine biosynthesis	1.0	-1.6	1.2	2.1	1.1	3.0	2.2
X97544		TIM17 preprotein translocase	32829_at	6605	protein targeting	1.0	1.2	1.2	2.6	1.7	1.2	1.0
AL031387		dJ596C15.1 (novel protein) (isom 1)	35136_at	6606	protein-nucleus import	1.6	1.0	-3.2	1.2	1.2	1.5	-1.6
AF001862	B	FYN binding protein	41819_at	6607	NLS-bearing substrate-nucleus import	-1.9	1.2	-3.3	-1.2	-1.8	-3.1	-20.9
U28386	A	nuclear localization sequence receptor hSRP1alpha	40407_at	6607	NLS-bearing substrate-nucleus import	1.3	1.2	-2.3	1.2	1.7	2.3	3.5
S75295	A	nucleoporin interactor 1=SRP1 homolog	40474_r.at	6607	NLS-bearing substrate-nucleus import	1.0	1.4	1.6	1.2	1.4	2.5	1.8
X55954		HL23 ribosomal protein homologue	32394_s.at	6610	ribosomal protein-nucleus import	-3.2	-1.5	1.1	-3.0	-2.0	2.5	1.2
X55954		HL23 ribosomal protein homologue	32395_r.at	6610	ribosomal protein-nucleus import	-2.8	-1.1	1.3	-1.8	-1.5	2.7	-1.1
X97544		TIM17 preprotein translocase	32829_at	6628	mitochondrial translocation	1.0	1.2	1.2	2.6	1.7	1.2	1.0
AI130910		qb81g08.x1 cDNA	37050_r.at	6628	mitochondrial translocation	-1.3	1.3	-3.2	1.4	1.5	2.2	1.1
D42108		phospholipase C	1182_at	6629	lipid metabolism	6.8	-1.2	-1.2	-2.2	1.2	-2.5	1.0
AB005038	A	25-hydroxyvitamin D3 1-alpha-hydroxylase	38909_at	6629	lipid metabolism	1.3	-1.3	1.2	2.1	3.3	1.8	3.6
Z75190	A	apolipoprotein E receptor 2	32398_s.at	6629	lipid metabolism	1.6	1.7	1.5	4.0	7.8	2.4	3.6
O17770	B	KIAA0119	37399_at	6629	lipid metabolism	1.1	1.4	1.2	-1.3	-1.2	-1.2	-3.1
X05908	A	lipocortin	37403_at	6629	lipid metabolism	-1.2	-1.2	1.3	1.3	1.0	1.4	2.8
AB017566		lipoyltransferase	37441_at	6629	lipid metabolism	-1.7	3.3	2.7	2.8	-1.5	2.8	5.1
U37519	B	aldehyde dehydrogenase (ALDH8)	37956_at	6629	lipid metabolism	1.7	-1.6	1.0	-2.2	-2.4	-4.6	-1.1
U65887		CDP-diacylglycerol synthase	40217_s.at	6629	lipid metabolism	1.1	1.3	-2.7	1.4	1.1	-1.3	1.0
M25915	B	complement cytolytic inhibitor (CLI)	36780_at	6629	lipid metabolism	1.0	-1.1	1.0	-1.8	-1.7	-2.1	-2.7
D86407		DNA apoER2	40012_at	6629	lipid metabolism	14.0	1.0	1.5	3.9	2.9	2.6	4.6
AF038007		FIC1	33634_at	6629	lipid metabolism	1.7	1.1	1.7	1.3	1.1	-2.8	-2.0
AF039704	B	lysosomal pepstatin insensitive protease (CLN2)	32824_at	6629	lipid metabolism	1.2	-1.4	-2.7	-3.4	-2.3	-3.0	-1.4
AF026977		microsomal glutathione S-transferase 3 (MGST3)	39018_at	6629	lipid metabolism	1.3	1.4	2.6	1.1	1.0	-1.2	-1.7
AF023462		peroxisomal phytanoyl-CoA alpha-hydroxylase (PAHX)	32724_at	6629	lipid metabolism	-2.2	1.3	1.1	1.3	1.0	1.2	-2.5
AF014402	B	type-2 phosphatidic acid phosphatase alpha-1 (PAP2-a1)	34797_at	6629	lipid metabolism	1.0	1.0	-3.2	-2.6	-3.5	-3.7	-4.5
AF027219		ZNF202 beta (ZNF202)	38302_at	6629	lipid metabolism	-1.4	-1.2	-1.2	3.3	-1.3	-1.5	2.6
U70063		acid ceramidase	36938_at	6631	fatty acid metabolism	1.0	1.4	1.1	1.1	1.5	1.1	-2.5
AF030555	A	acyl-CoA synthetase 4 (ACS4)	38099_r.at	6631	fatty acid metabolism	1.0	1.1	-1.2	1.5	1.2	2.7	2.7
M15856	B	lipoprotein lipase	41209_at	6631	fatty acid metabolism	-1.4	1.0	-3.5	-2.0	1.5	-1.5	1.0
S79219	B	metastasis-associated gene	1348_s.at	6631	fatty acid metabolism	1.0	1.1	-1.1	1.1	-1.3	-1.3	-2.5
AJ224538		AMP-activated protein kinase beta 2 subunit	36705_at	6633	fatty acid biosynthesis	1.3	-1.1	1.3	-1.2	-1.2	-1.6	-2.5
AF022116		5-AMP-activated protein kinase beta-1	35348_at	6633	fatty acid biosynthesis	1.4	1.0	-2.8	-1.7	-1.4	-2.1	1.6
X78706	B	carnitine acetyltransferase	41648_at	6637	acyl-CoA metabolism	-1.5	-1.1	-1.7	-2.1	-1.8	-2.5	-4.1
AF059202		ACAT related gene product 1	34255_at	6641	triacylglycerol metabolism	1.8	-2.8	-10.3	-2.1	-1.7	-2.7	1.0
U38545		ARF-activated phosphatidylcholine-specific phos	177_at	6644	phospholipid metabolism	-1.1	-1.4	1.3	-1.6	-3.5	-2.4	-2.0
U78575	B	68 kDa type I phosphatidylinositol-4-phosphate 5-kinase alpha	31833_at	6650	glycerophospholipid metabolism	1.4	-1.5	-1.4	1.2	-1.9	-3.1	1.2
U81802	B	PtdIns 4-kinase (PI4Kb)	146_at	6661	phosphatidylinositol biosynthesis	1.5	1.0	1.1	-1.1	-1.6	-2.8	-1.5
M72393		calcium-dependent phospholipid-binding protein (PLA2)	35938_at	6663	platelet activating factor biosynthesis	1.3	-1.2	1.6	3.9	-1.4	-1.6	-1.8
U70063		acid ceramidase	36938_at	6672	ceramide metabolism	1.0	1.4	1.1	1.1	1.5	1.1	-2.5
D50840		ceramide glucosyltransferase	40215_at	6679	glycosylceramide biosynthesis	-1.5	1.0	1.7	2.8	2.0	1.1	2.0
X62078	B	GM2 activator protein	35820_at	6687	glycosphingolipid metabolism	1.1	-1.3	-1.4	-1.6	-2.0	-2.4	-2.6
X61094		RNA GM2-activator protein (clone pGM2A)	33645_at	6687	glycosphingolipid metabolism	2.3	1.0	1.4	-1.2	-1.7	-1.9	-2.7
AA224768		nc12d09.r1 cDNA	33647_s.at	6687	glycosphingolipid metabolism	1.6	-1.2	1.0	-1.4	-2.2	-3.1	-3.5
D50840		ceramide glucosyltransferase	40215_at	6688	glycosphingolipid biosynthesis	-1.5	1.0	1.7	2.8	2.0	1.1	2.0
AB018356		GM3 synthase	34256_at	6688	glycosphingolipid biosynthesis	1.1	1.6	2.4	2.6	1.7	4.7	1.3
M72393		calcium-dependent phospholipid-binding protein (PLA2)	35938_at	6690	icosanoid metabolism	1.3	-1.2	1.6	3.9	-1.4	-1.6	-1.8
D12820		cytochrome P-450L TBV	1305_s.at	6691	leukotriene metabolism	1.1	1.4	1.0	2.3	-1.5	-2.6	-1.5
D17793	B	KIAA0119	37399_at	6693	prostaglandin metabolism	1.1	1.4	1.2	-1.3	-1.2	-1.2	-3.1
U23942		lanosterol 14-demethylase cytochrome P450 (CYP51)	33389_at	6695	cholesterol biosynthesis	-2.2	1.2	-1.5	1.1	1.1	2.8	-1.2
AL049381	B	DKFZp586J2118	33355_at	6700	C21-steroid hormone biosynthesis	1.3	-1.1	1.4	-2.3	1.0	-1.7	-3.2

GenBank		Affymetrix			Fold Change							
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
D14874		adrenomedullin precursor	34777_at	6701	progesterone biosynthesis	-1.5	1.1	-2.7	-1.4	-1.2	-1.3	-2.2
U26726	B	11-beta-hydroxysteroid dehydrogenase type 2	39697_at	6704	glucocorticoid biosynthesis	-1.2	1.0	-1.7	-2.3	-3.4	-11.3	-7.1
M54994	B	bile salt-activated lipase (BAL)	39176_f_at	6707	cholesterol catabolism	1.4	-1.7	-3.8	-5.2	-4.5	-9.1	-4.9
AB018293	A	KIAA0750	40847_at	6725	aromatic compound metabolism	1.2	-2.4	2.6	1.4	1.3	2.5	15.4
U19523	A	GTP cyclohydrolase I	37944_at	6729	tetrahydrobiopterin biosynthesis	-1.2	1.2	1.1	1.8	2.9	2.1	3.5
X16396	A	NAD-dependent methylene tetrahydrofolate dehydrogenase	40074_at	6730	one-carbon compound metabolism	1.0	1.1	1.1	2.1	1.6	1.9	3.0
J00140		dihydrofolate reductase gene	37913_at	6730	one-carbon compound metabolism	1.5	-1.1	1.0	-1.3	1.0	5.9	1.8
D87002		immunoglobulin lambda gene locus DNA	715_s_at	6750	glutathione biosynthesis	1.5	1.0	2.7	1.1	1.0	-1.5	-1.2
L35546		gamma-glutamylcysteine synthetase light subunit	33163_r_at	6750	glutathione biosynthesis	-2.5	1.7	-1.6	1.1	1.2	1.4	1.9
M25909		endomembrane proton pump subunit	32959_at	6754	ATP biosynthesis	-1.4	1.1	1.9	-1.3	-1.3	-2.6	-2.3
M11433	B	cellular retinol-binding protein	38634_at	6776	vitamin A metabolism	-4.7	-1.3	-2.7	-1.4	-1.1	-1.3	-2.4
L36818	B	(clone 51C-3) 51C protein	36598_s_at	6796	phosphate metabolism	1.2	-1.1	-1.4	-2.2	-2.3	-3.1	-1.6
AL049338		DKFZp564P116	33910_at	6796	phosphate metabolism	6.1	14.4	-1.1	5.7	1.3	17.2	3.6
AF017060	A	aldehyde oxidase (OAX-1)	37599_at	6800	oxygen and reactive oxygen species metabolism	-1.6	-1.1	-1.2	1.1	1.0	2.9	2.3
M32011		neutrophil oxidase factor (p67-phox)	41038_at	6801	superoxide metabolism	-2.4	1.8	-8.1	1.6	2.1	2.2	1.9
L25879	B	p53/HEH epoxide hydrolase (EPHX)	38790_at	6805	xenobiotic metabolism	1.2	-1.3	-1.6	-2.3	-1.7	-4.2	-2.9
AF069987		nitrlase 1 (NIT1)	39735_at	6807	nitrogen metabolism	1.3	1.2	1.0	-1.1	-1.2	-1.3	2.6
U31511		inducible nitric oxide synthase (NOS), com	1948_f_at	6809	nitric oxide biosynthesis	1.1	-1.4	-3.4	1.9	1.1	-1.1	1.5
U19523	A	GTP cyclohydrolase I	37944_at	6809	nitric oxide biosynthesis	-1.2	1.2	1.1	1.8	2.9	2.1	3.5
D88152		acetyl-coenzyme A transporter	34668_at	6810	transport	1.3	1.0	-1.2	3.0	1.4	1.9	-1.2
AB019987	A	chromosome-associated polypeptide-C	34878_at	6810	transport	1.2	1.0	-1.1	1.7	2.3	4.2	5.7
D26443	B	glutamate transporter	36609_at	6810	transport	1.1	-1.2	1.2	1.6	-1.4	-1.4	-2.5
D83781	A	KIAA0197	34253_at	6810	transport	1.5	1.0	-2.1	1.2	1.4	2.1	2.7
X91220		Na-Cl electroneutral thiazide-sensitive cotransporter	36362_at	6810	transport	-3.4	-2.9	2.6	-1.7	-1.7	2.3	-3.7
M27543		guanine nucleotide-binding protein (Gi)	876_s_at	6810	transport	-1.2	1.9	-2.7	3.6	2.6	1.0	1.0
U63659	A	multidrug resistance-associated protein homolog	1930_at	6810	transport	-1.8	-1.4	1.9	1.1	1.7	1.5	4.0
AJ001014	B	RAMP1	35668_at	6810	transport	1.4	2.0	-1.2	-2.2	-2.0	-2.9	2.2
M97815		retinoic acid-binding protein II	1057_at	6810	transport	-1.2	-1.1	1.0	-1.2	-1.4	-4.3	-2.9
AB001325	B	AQP3 gene aquaporin 3 (water channel)	39249_at	6810	transport	1.2	1.0	1.1	-1.9	-1.8	-2.8	-1.8
AC002540	A	BAC clone GS025M02 from 7q21-q22	38329_at	6810	transport	1.0	-1.5	1.4	2.0	3.2	3.6	1.9
AC003083		BAC clone RG060N22 from 7q21	35465_at	6810	transport	9.1	-1.3	1.0	-1.3	1.0	1.3	1.4
U49248	B	canalicular multispecific organic anion transporter (cMOAT)	33721_at	6810	transport	1.0	1.1	-2.7	-1.2	-1.6	-1.4	-6.4
M11433	B	cellular retinol-binding protein	38634_at	6810	transport	4.7	-1.3	-2.7	-1.4	-1.1	-1.3	-2.4
AF020043	A	chromosome-associated polypeptide (HCAP)	34763_at	6810	transport	1.1	1.5	-1.1	2.2	1.8	1.7	3.0
AF092563	A	chromosome-associated protein-E (hCAP-E)	37502_at	6810	transport	-2.0	1.0	1.4	5.5	1.5	5.1	3.4
AF038174		clone 23579 sequence	32684_at	6810	transport	-1.6	2.5	-5.3	2.3	-1.1	2.2	3.0
AF070606	A	clone 24411 sequence	34188_at	6810	transport	1.9	-1.1	-1.7	2.5	2.0	1.6	3.2
AF039022	A	exportin t	38753_at	6810	transport	1.2	-1.3	1.2	2.5	1.2	2.0	2.6
X96924	B	gene encoding mitochondrial citrate transport protein	38997_at	6810	transport	1.4	-1.3	-2.7	-1.7	-1.4	-1.7	-1.8
L77567	B	mitochondrial citrate transport protein (CTP)	39825_at	6810	transport	1.5	-1.4	1.3	-2.2	-1.6	-3.4	-1.2
L31801		monocarboxylate transporter 1 (SLC16A1)	36206_at	6810	transport	-1.1	1.4	-2.5	2.3	3.4	2.6	1.3
AF086992	A	multidrug resistance-associated protein 3B (MRP3)	33021_at	6810	transport	2.0	-1.7	-2.1	1.0	1.8	2.9	6.9
U16799	B	Na,K-ATPase beta-1 subunit	37669_s_at	6810	transport	1.1	1.5	-2.6	-1.5	-2.6	-3.6	-6.6
U61849		neuronal pentraxin 1 (NPTX1)	37921_at	6810	transport	-1.8	1.4	1.5	8.8	1.1	-1.6	-8.9
J04027	A	plasma membrane Ca2+ pumping ATPase	37661_at	6810	transport	-1.1	1.4	1.0	4.3	4.1	2.9	2.7
M97815	B	retinoic acid-binding protein II (CRABP-II)	41783_at	6810	transport	-1.7	-1.3	1.0	-1.7	-2.7	-3.5	-3.0
L78207		sulfonylurea receptor (SUR1)	41792_at	6810	transport	1.0	-1.5	2.7	-1.2	-1.6	-1.7	1.0
J05068		transcobalamin I	35919_at	6810	transport	-2.3	-1.1	-10.0	1.4	-1.3	-1.9	1.3
AL030996		dJ1189B24.4 (novel PUTATIVE protein)	32124_at	6810	transport	-1.3	1.5	4.5	3.8	2.7	2.1	2.3
U66672		HSU66672 cDNA	38574_at	6810	transport	2.5	1.2	3.2	-1.4	1.3	1.6	-2.7
AA978353		oq40b07.s1 cDNA	41126_at	6810	transport	-1.2	1.1	-1.5	-4.9	-1.2	1.1	6.8
AI288757		qm11h01.x1 cDNA	41793_at	6810	transport	1.2	1.2	3.4	1.4	-1.1	-1.3	-1.1
AI762213	B	wi54d04.x1 cDNA	32821_at	6810	transport	-2.2	-1.6	-1.7	-2.2	-2.1	-3.1	-1.6
H10201		ym02c07.s1 cDNA	38328_at	6810	transport	-1.4	1.1	-2.7	1.9	2.0	3.2	2.0
AA059408	A	zl96e07.r1 cDNA	38430_at	6810	transport	-1.1	1.5	-1.2	2.6	1.7	2.3	6.2
X87159	B	beta subunit of epithelial amiloride-sensitive sodium channel	39682_at	6811	ion transport	1.0	1.1	-1.2	-1.1	-1.1	-2.6	-1.4
X91220		Na-Cl electroneutral thiazide-sensitive cotransporter	36362_at	6811	ion transport	-3.4	-2.9	2.6	-1.7	-1.7	2.3	-3.7
U26249	B	11kd protein	39087_at	6811	ion transport	1.1	-1.1	-1.6	-1.2	-1.8	-3.6	-2.3
AF022797		intermediate conductance calcium-activated potassium channel	41106_at	6811	ion transport	1.0	-1.1	3.2	1.1	1.1	1.4	2.6
U33632		Two P-domain K+ channel TWIK-1	37552_at	6811	ion transport	1.1	1.2	-1.6	1.4	1.2	2.5	1.2
AB018258		KIAA0715	37415_at	6812	cation transport	-1.2	1.0	1.3	-1.2	1.0	-2.7	-1.8
X89066	A	TRPC1 protein	39123_s_at	6812	cation transport	1.2	-1.1	1.2	1.5	-1.3	4.2	8.0
AF070606	A	clone 24411 sequence	34188_at	6812	cation transport	1.9	-1.1	-1.7	2.5	2.0	1.6	3.2
AF038007		FIC1	33634_at	6812	cation transport	1.7	1.1	1.7	1.3	1.1	-2.8	2.0
J04027	A	plasma membrane Ca2+ pumping ATPase	37661_at	6812	cation transport	-1.1	1.4	1.0	4.3	4.1	2.9	2.7
Z24724	A	polyA site DNA	34857_at	6812	cation transport	-1.5	-1.2	-1.3	3.3	2.3	3.7	4.2
U48508		skeletal muscle ryanodine receptor gene (RYR1), promoter regio	37990_at	6812	cation transport	1.3	-1.1	-1.4	-3.2	2.4	-2.0	1.0
AF022797		intermediate conductance calcium-activated potassium channel	41106_at	6813	potassium ion transport	1.0	-1.1	3.2	1.1	1.1	1.4	2.6
U16799	B	Na,K-ATPase beta-1 subunit	37669_s_at	6813	potassium ion transport	1.1	1.5	-2.4	-1.5	-2.6	-3.6	-6.6
L78207		sulfonylurea receptor (SUR1)	41792_at	6813	potassium ion transport	1.0	-1.5	2.7	-1.2	-1.6	-1.7	1.0
AI288757		qm11h01.x1 cDNA	41793_at	6813	potassium ion transport	1.2	1.2	3.4	1.4	-1.1	-1.3	-1.1
U33632		Two P-domain K+ channel TWIK-1	37552_at	6813	potassium ion transport	1.1	1.2	-1.6	1.4	1.2	2.5	1.2
Y10032	B	putative serine/threonine protein kinase	973_at	6814	sodium ion transport	1.5	-1.2	1.7	-1.4	-1.2	-2.3	-3.0
X87159	B	beta subunit of epithelial amiloride-sensitive sodium channel	39682_at	6814	sodium ion transport	1.0	1.1	-1.2	-1.1	-1.1	-2.6	-1.4
X91220		Na-Cl electroneutral thiazide-sensitive cotransporter	36362_at	6814	sodium ion transport	-3.4	-2.9	2.6	-1.7	-1.7	2.3	-3.7
U16799	B	Na,K-ATPase beta-1 subunit	37669_s_at	6814	sodium ion transport	1.1	1.5	-2.4	-1.5	-2.6	-3.6	-6.6
X89066	A	TRPC1 protein	39123_s_at	6816	calcium ion transport	1.2	-1.1	1.2	1.5	-1.3	4.2	8.0
AF070606	A	clone 24411 sequence	34188_at	6816	calcium ion transport	1.9	-1.1	-1.7	2.5	2.0	1.6	3.2
J04027	A	plasma membrane Ca2+ pumping ATPase	37661_at	6816	calcium ion transport	-1.1	1.4	1.0	4.3	4.1	2.9	2.7

GenBank	Group	Affymetric Gene Annotation	Affymetric Probe set id	GO id	GO Biological Process			Fold Change						
Accession #						0	4	6	8	12	16	24		
U48508		skeletal muscle ryanodine receptor gene (RYR1), promoter region	37990_at	6816	calcium ion transport	1.3	-1.1	-1.4	-3.2	2.4	-2.0	1.0		
X91220		Na-Cl electroneutral thiazide-sensitive cotransporter	36362_at	6821	chloride transport	-3.4	-2.9	2.6	-1.7	-1.7	2.3	-3.7		
U28249	B	11kd protein	39087_at	6821	chloride transport	1.1	-1.1	-1.6	-1.2	-1.8	-3.6	-2.3		
J05068		transcobalamin I	35919_at	6824	cobalt ion transport	-2.3	-1.1	-10.0	1.4	-1.3	-1.9	1.3		
X01060		transferrin receptor	37324_at	6826	iron ion transport	1.3	1.1	1.1	2.2	1.5	-1.1	-3.7		
U60319		haemochromatosis protein (HLA-H)	38913_at	6826	iron ion transport	3.5	1.2	1.3	1.1	-2.5	-1.2	-1.1		
X91249	A	white gene protein	41362_at	6832	small molecule transport	1.0	2.4	1.5	2.4	3.0	1.1	2.0		
D26443	B	glutamate transporter	36609_at	6835	dicarboxylic acid transport	1.1	-1.2	1.2	1.6	-1.4	-1.4	-2.5		
AA538353		oq40b07.s1 cDNA	41126_at	6835	dicarboxylic acid transport	-1.2	1.1	-1.5	-4.9	-1.2	1.1	6.8		
Z18656		taurine transporter	35121_at	6836	neurotransmitter transport	-4.1	-1.9	1.4	-1.2	-1.1	-1.4	-1.1		
L37792	A	syntaxin 1A	37184_at	6836	neurotransmitter transport	1.2	-1.5	1.9	1.7	2.0	-1.2	3.0		
S75989		gamma-aminobutyric acid transporter type 3	32990_at	6836	neurotransmitter transport	-1.1	1.3	2.9	1.3	1.2	-1.1	1.3		
X96924	B	gene encoding mitochondrial citrate transport protein	38997_at	6843	mitochondrial citrate transport	1.4	-1.3	-2.7	-1.7	-1.4	-1.7	-1.8		
L77567	B	mitochondrial citrate transport protein (CTP)	39825_at	6843	mitochondrial citrate transport	1.5	-1.4	1.3	-2.2	-1.6	-3.4	-1.2		
X91220		Na-Cl electroneutral thiazide-sensitive cotransporter	36362_at	6865	amino acid transport	-3.4	-2.9	2.6	-1.7	-1.7	2.3	-3.7		
AF070578		clone 24674 sequence	36758_at	6865	amino acid transport	1.7	-2.7	1.6	1.4	3.4	1.1	-1.8		
AA290994		zs45d07.r1 cDNA	40923_at	6865	amino acid transport	-1.1	1.3	-1.1	-2.9	2.1	1.9	2.7		
AB005038	A	25-hydroxyvitamin D3 1-alpha-hydroxylase	38909_at	6874	calcium ion homeostasis	1.3	-1.3	1.2	2.1	3.3	1.8	3.6		
X72308		monocyte chemoattractant protein-3 (MCP-3)	39802_at	6874	calcium ion homeostasis	-1.8	-1.2	-1.8	-3.6	-1.2	-1.9	1.0		
U25997		stanniocalcin precursor (STC)	41354_at	6874	calcium ion homeostasis	-4.2	-2.5	-2.1	-1.2	2.7	2.5	2.1		
M13699	B	ceruloplasmin (ferroxidase)	39008_at	6878	copper ion homeostasis	-1.1	-1.1	-1.2	2.0	-1.8	1.4	-6.1		
V00568		encoding the c-myc oncogene	1973_s_at	6879	iron ion homeostasis	1.0	1.0	4.4	1.8	1.5	1.3	4.5		
X01060		transferrin receptor	37324_at	6879	iron ion homeostasis	1.3	1.1	1.1	2.2	1.5	-1.1	-3.7		
M13699	B	ceruloplasmin (ferroxidase)	39008_at	6879	iron ion homeostasis	-1.1	-1.1	-1.2	2.0	-1.8	1.4	-6.1		
V00568	A	c-myc oncogene	37724_at	6879	iron ion homeostasis	-1.2	1.3	2.5	2.1	1.6	1.9	3.6		
U60319		haemochromatosis protein (HLA-H)	38913_at	6879	iron ion homeostasis	3.5	1.2	1.3	1.1	-2.6	-1.2	-1.1		
AL031670		similar to Zinc finger, C3HC4 type (RING finger)	35083_at	6879	iron ion homeostasis	-6.6	1.3	2.7	-2.1	1.3	-1.1	11.3		
AJ006973		TOM1 protein	39134_at	6886	intracellular protein transport	1.0	1.0	1.5	-1.8	-1.4	-2.6	-2.0		
AJ010071		TOM1-like protein	40229_at	6886	intracellular protein transport	1.0	1.2	-1.3	1.2	-2.1	-1.1	2.8		
U39412	B	alpha SNAP	36977_at	6886	intracellular protein transport	1.2	1.0	1.0	-1.7	-1.7	-2.7	-1.6		
AF023268		clk2 kinase (CLK2)	32799_at	6886	intracellular protein transport	1.1	-1.5	-2.6	-1.5	-1.4	-1.6	1.2		
U74324		guanine nucleotide exchange factor mss4	38264_at	6886	intracellular protein transport	-1.5	1.7	-1.3	1.1	1.0	3.1	1.3		
AF048755		HsPex13p (PEX13)	37464_at	6886	intracellular protein transport	-1.2	3.7	1.6	1.0	1.7	-1.4	-2.0		
U28386	A	nuclear localization sequence receptor hSRP1alpha	40407_at	6886	intracellular protein transport	1.3	1.2	-2.3	1.2	1.7	2.3	3.5		
U57629	A	retinitis pigmentosa GTPase regulator (RPGR)	38164_at	6886	intracellular protein transport	1.2	-2.1	1.6	2.5	1.5	1.9	3.0		
AF042273		signal transducing adaptor molecule 2A (STAM2)	38525_at	6886	intracellular protein transport	-1.1	-1.7	-5.5	1.3	1.1	-1.7	1.2		
L37792	A	syntaxin 1A	37184_at	6886	intracellular protein transport	1.2	-1.5	1.9	1.7	2.0	-1.2	3.0		
AL049758		dJ437M21.3 novel Src homology domain 3	35886_at	6886	intracellular protein transport	1.4	1.8	4.0	1.0	-2.6	-2.2	1.1		
AL031387	B	dJ596C15.1.1 (novel protein) (isom 1)	35136_at	6886	intracellular protein transport	1.6	1.0	-3.2	1.2	1.2	1.5	-1.6		
AL050148	B	DKFZp586G1520	35645_at	6886	intracellular protein transport	-1.7	-1.5	-1.4	-1.2	-1.4	-1.2	-4.4		
S75295	A	nucleoprotein interactor 1-SRP1 homolog	40474_r_at	6886	intracellular protein transport	1.0	1.4	1.6	1.2	1.4	2.5	1.8		
AI653878		tn30a05.x1 cDNA	41450_at	6886	intracellular protein transport	-1.1	1.1	-1.1	1.9	1.5	2.8	-1.2		
AA402332		zu48n12.s1 cDNA	39805_l_at	6886	intracellular protein transport	-4.7	1.6	1.2	1.8	-5.8	1.2	-1.2		
L37792	A	syntaxin 1A	37184_at	6887	exocytosis	1.2	-1.5	1.9	1.7	2.0	-1.2	3.0		
AA203187	A	zx55f06.r1 cDNA	38305_at	6887	exocytosis	-1.2	1.0	-1.1	-1.4	1.0	1.9	3.4		
AI653878		tn30a05.x1 cDNA	41450_at	6888	ER to Golgi transport	-1.1	1.1	-1.1	1.9	1.5	2.8	-1.2		
D87435	B	KIAA0245	40123_at	6890	retrograde (Golgi to ER) transport	-1.1	1.0	-1.2	-2.6	-1.6	-2.5	-1.3		
AJ010071		TOM1-like protein	40229_at	6891	intra-Golgi transport	1.0	1.2	-1.3	1.2	-2.1	-1.1	2.8		
U39412	B	alpha SNAP	36977_at	6891	intra-Golgi transport	1.2	1.0	1.0	-1.7	-1.7	-2.7	-1.6		
AF023268		clk2 kinase (CLK2)	32799_at	6892	post-Golgi transport	1.1	-1.5	-2.6	-1.5	-1.4	-1.6	1.2		
AB023203	A	KIAA0986	40000_f_at	6895	Golgi to endosome transport	1.0	-1.9	-1.2	2.8	2.5	2.1	1.4		
X01060		transferrin receptor	37324_at	6897	endocytosis	1.3	1.1	1.1	2.2	1.5	-1.1	-3.7		
U61167	A	SH3 domain-containing protein SH3P18	174_s_at	6897	endocytosis	1.2	1.2	1.6	2.6	1.3	2.2	1.5		
X75621	B	TSC2 tuberin	38813_at	6897	endocytosis	1.4	-1.7	-1.5	-2.4	-1.9	-3.0	-2.5		
AL049758		dJ437M21.3 novel Src homology domain 3	35886_at	6897	endocytosis	1.4	1.8	4.0	1.0	-2.6	-2.2	1.1		
AL050148	B	DKFZp586G1520	35645_at	6897	endocytosis	-1.7	-1.5	-1.4	-1.2	-1.4	-1.2	-4.4		
U81802	B	PtdIns 4-kinase (PI4Kb)	146_at	6898	receptor mediated endocytosis	1.5	1.0	1.1	-1.1	-1.6	-2.8	-1.5		
U60319		haemochromatosis protein (HLA-H)	38913_at	6898	receptor mediated endocytosis	3.5	1.2	1.3	1.1	-2.5	-1.2	-1.1		
AJ006973		TOM1 protein	39134_at	6899	nonselective vesicle transport	1.0	1.0	1.5	-1.8	-1.4	-2.6	-2.0		
AJ010071		TOM1-like protein	40229_at	6899	nonselective vesicle transport	1.0	1.2	-1.3	1.2	-2.1	-1.1	2.8		
U13616	B	ankyrin G (ANK-3)	36965_at	6899	nonselective vesicle transport	-1.4	1.2	-1.1	-1.1	-1.8	-1.8	-2.8		
U74324		guanine nucleotide exchange factor mss4	38264_at	6899	nonselective vesicle transport	-1.5	1.7	-1.3	1.1	1.0	3.1	1.3		
AB007860	A	KIAA0400	39410_at	6899	nonselective vesicle transport	1.1	1.3	-1.5	2.1	1.4	1.6	2.6		
AF035621		kinesin-related protein (KIF3C)	33345_at	6899	nonselective vesicle transport	-1.3	-1.6	1.0	-2.7	-2.2	-1.2	-1.4		
L37792	A	syntaxin 1A	37184_at	6899	nonselective vesicle transport	1.2	-1.5	1.9	1.7	2.0	-1.2	3.0		
U26648	B	syntaxin 5	40068_at	6903	nonselective vesicle targeting	1.1	1.2	-1.2	-1.1	-2.5	-3.5	-1.3		
AA151922		zo30d07.r1 cDNA	32721_at	6914	autophagy	1.6	-1.2	-3.3	1.7	-1.2	-1.2	1.8		
Y10032	B	putative serine/threonine protein kinase	973_at	6915	apoptosis	1.5	-1.2	1.7	-1.4	-1.2	-2.3	-3.0		
AB013382	A	DUSP6	41193_at	6915	apoptosis	1.2	1.2	16.2	24.1	26.3	31.3	143.4		
D79987	A	KIAA0165	38158_at	6915	apoptosis	1.4	-1.2	-1.6	1.2	2.1	1.9	4.8		
L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	6915	apoptosis	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6		
U84388	A	death domain containing protein CRADD	1211_s_at	6915	apoptosis	-1.3	1.3	-1.3	2.7	1.5	1.4	1.4		
M60974	A	growth arrest and DNA-damage-inducible protein	1911_s_at	6915	apoptosis	1.2	1.1	-1.2	2.1	1.5	1.6	4.5		
M57888		(clone lambda B34) cytotoxic T-lymphocyte-associated serine esterase	32370_at	6915	apoptosis	-4.6	-1.1	2.6	1.8	1.2	-2.2	-1.8		
L19872		AH-receptor	40516_at	6915	apoptosis	1.4	-1.8	-1.2	1.9	1.3	1.4	3.2		
U97067	A	alpha-catenin-like protein	35331_at	6915	apoptosis	1.0	-1.1	2.1	1.7	1.4	2.9	2.1		
U43746	A	breast cancer susceptibility (BRCA2)	1989_at	6915	apoptosis	-2.3	1.3	1.6	-1.3	1.6	3.2	6.7		
M25915	B	complement cytotoxicity inhibitor (CLI)	36780_at	6915	apoptosis	1.0	-1.1	1.0	-1.8	-1.7	-2.1	-2.7		
X76104	B	DAP-kinase	40049_at	6915	apoptosis	1.2	1.5	-1.2	-2.0	-1.2	-1.4	-2.6		

GenBank	Group	Affymetric Gene Annotation	Affymetric Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
U75744		DNase gamma 4	37972_at	6915	apoptosis	-1.5	1.2	1.3	-1.7	1.0	-3.1	1.5
AF001294	A	IPL (IPL)	31888_s_at	6915	apoptosis	-1.3	1.5	1.2	1.7	2.3	2.7	1.8
U67156	A	mitogen-activated kinase kinase 5 (MAPKKK5)	1327_s_at	6915	apoptosis	-1.8	1.8	-1.2	2.9	2.3	2.1	1.6
X80200	B	MLN62	37912_at	6915	apoptosis	1.3	-2.0	-1.2	-1.7	-2.1	-2.6	1.0
U63909	A	prostate apoptosis response protein par-4	40621_at	6915	apoptosis	-1.1	-1.2	1.0	2.7	1.5	1.5	1.9
AL049932		DKFZp564H2416	39510_r_at	6915	apoptosis	-2.0	1.7	-2.6	1.2	-1.3	-1.4	-1.6
S81914	A	radiation-inducible immediate-early gene	1237_at	6915	apoptosis	1.0	1.2	3.5	3.1	3.7	4.7	8.5
AI692348	B	w685g12.x1_cDNA	39509_at	6915	apoptosis	1.5	1.1	1.2	1.4	-1.2	-1.6	-2.6
AA151922		zo3007.r1_cDNA	32721_at	6915	apoptosis	1.6	-1.2	-3.3	1.7	-1.2	-1.2	1.8
X13293		B-myb gene	1654_at	6916	anti-apoptosis	2.2	-1.3	1.0	1.1	3.1	1.3	2.6
X89101		Fas (Apo-1, CD95)	1808_s_at	6916	anti-apoptosis	1.7	-1.3	2.0	1.8	1.2	5.7	-1.1
X83490		Fas/Apo-1	1440_s_at	6916	anti-apoptosis	-1.1	-1.1	3.9	1.7	1.4	1.6	1.4
Y00630	A	Arg-Serpin (plasminogen activator-inhibitor 2, PAI-2)	37185_at	6916	anti-apoptosis	-1.5	-1.1	1.0	-1.1	2.4	3.5	3.1
X83492		Fas/Apo-1	1441_s_at	6916	anti-apoptosis	-1.9	-1.5	-2.2	2.5	1.0	3.1	1.8
Y15906		XAGL protein	41269_r_at	6916	anti-apoptosis	-1.4	-1.8	1.3	2.5	1.3	1.9	-1.2
M38449	B	transforming growth factor-beta , complete	1830_s_at	6916	anti-apoptosis	1.2	-1.6	1.2	-1.9	-1.5	-2.8	-1.1
U75285	A	apoptosis inhibitor survivin gene	40532_at	6916	anti-apoptosis	2.4	1.9	2.4	1.2	2.1	1.5	4.7
Z23115		bcl-xL	1615_at	6916	anti-apoptosis	1.2	1.5	1.2	1.9	1.5	-1.9	2.6
M95712		B-raf	1654_at	6916	anti-apoptosis	-1.2	1.2	-2.9	-2.0	-1.5	1.3	-1.2
AF005775		caspase-like apoptosis regulatory protein	1867_at	6916	anti-apoptosis	1.2	1.4	1.7	2.6	1.6	1.0	1.7
S81914	A	radiation-inducible immediate-early gene	1237_at	6916	anti-apoptosis	1.0	1.2	3.5	3.1	3.7	4.7	8.5
AI417038		tg78b04.x1_cDNA	40533_at	6916	anti-apoptosis	1.6	1.6	-1.6	1.4	8.2	11.2	8.1
X89101		Fas (Apo-1, CD95)	1808_s_at	6917	induction of apoptosis	1.7	-1.3	2.0	1.8	1.2	5.7	-1.1
X83490		Fas/Apo-1	1440_s_at	6917	induction of apoptosis	-1.1	-1.1	3.9	1.7	1.4	1.6	1.4
X83492		Fas/Apo-1	1441_s_at	6917	induction of apoptosis	-1.9	-1.5	-2.2	2.5	1.0	3.1	1.8
U19599		(BAX delete)	1987_s_at	6917	induction of apoptosis	2.9	1.6	2.7	1.2	-1.7	-2.9	-1.1
L22475		Bax gamma	2067_f_at	6917	induction of apoptosis	1.8	1.4	8.4	-1.1	-1.4	-4.5	-1.7
U37518	B	TNF-related apoptosis inducing ligand TRAIL	1715_at	6917	induction of apoptosis	-1.1	-1.5	-1.1	-1.7	-2.5	-5.1	-7.2
L22473		Bax alpha	2065_s_at	6917	induction of apoptosis	2.6	1.7	2.1	1.4	-1.1	-4.6	-1.4
AF079221		BCL2/adenovirus E1B 19kDa-interacting protein 3a	39436_at	6917	induction of apoptosis	2.1	1.1	-1.8	3.0	1.0	1.0	-2.4
AF032457		BimEL	31611_s_at	6917	induction of apoptosis	2.7	-2.9	-2.3	-1.4	-8.0	1.0	-3.4
X14787		thrombospondin	115_at	6928	cell motility	1.0	-1.7	-1.3	1.1	1.1	1.0	2.5
X78947	A	connective tissue growth factor	36638_at	6928	cell motility	-1.4	1.1	-1.1	3.0	4.2	2.7	4.4
X05908	A	lipocortin	37403_at	6928	cell motility	-1.2	-1.2	1.3	1.3	1.0	1.4	2.8
Z29083	A	5T4 gene 5T4 Oncofetal antigen	368_at	6928	cell motility	1.6	-1.1	1.6	1.6	1.7	1.1	2.6
L05624	A	MAP kinase kinase , complete cds	1844_s_at	6928	cell motility	1.7	1.6	1.1	2.7	2.5	2.2	3.7
L23808		metalloproteinase (HME)	1481_at	6928	cell motility	-2.6	1.0	1.0	1.7	-1.2	-3.0	5.9
L26318		protein kinase (JNK1)	2070_i_at	6928	cell motility	1.0	-2.2	12.3	-1.5	-1.8	1.1	57.2
AF032862	A	intracellular hyaluronin acid binding protein (IHABP)	36863_at	6928	cell motility	1.0	1.4	1.0	2.1	2.9	3.8	8.6
U43142		vascular endothelial growth factor related protein	159_at	6929	substrate-bound cell migration	2.7	-2.3	-2.0	1.3	1.5	1.2	3.3
X72308		monocyte chemoattractant protein-3 (MCP-3)	39802_at	6935	chemotaxis	-1.8	-1.2	-1.8	-3.6	-1.2	-1.9	1.0
L06797	B	(clone L5) orphan G protein-coupled receptor	645_s_at	6935	chemotaxis	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6
U38545		ARF-activated phosphatidylinositol-specific phosphatase	177_at	6935	chemotaxis	-1.1	-1.4	1.3	-1.6	-3.5	-2.4	-2.0
L05624	A	MAP kinase kinase , complete cds	1844_s_at	6935	chemotaxis	1.7	1.6	1.1	2.7	2.5	2.2	3.7
U94888		CC-chemokine receptor 10 (CCR10)	32484_at	6935	chemotaxis	-2.3	-2.6	-1.5	-1.4	1.2	-2.4	-3.2
U64197	A	chemokine exodus-1	40385_at	6935	chemotaxis	1.3	1.1	1.4	2.1	-1.4	1.6	46.4
M57729		complement component C5	37816_at	6935	chemotaxis	1.3	2.4	-6.0	-1.5	-2.5	-6.8	10.7
M36820	A	cytokine (GRO-beta)	37187_at	6935	chemotaxis	1.5	-1.4	1.9	1.7	1.5	1.4	3.9
Y16241	B	nebullett	34873_at	6936	muscle contraction	-1.3	1.1	-1.4	1.1	-1.5	-2.1	-4.5
L19711	B	dystroglycan (DAG1)	36989_at	6936	muscle contraction	-1.1	-1.2	-1.1	-2.4	-2.3	-2.1	-3.1
U48508		skeletal muscle ryanodine receptor gene (RYR1), promoter region	37990_at	6936	muscle contraction	1.3	-1.1	-1.4	-3.2	2.4	-2.0	1.0
AL038340	B	DKFZp566K192	32243_g_at	6936	muscle contraction	-1.2	-1.1	-1.7	-1.9	-2.3	-3.8	-4.9
AL038340	B	DKFZp566K192_s1	32242_at	6936	muscle contraction	-1.1	-1.1	-1.5	-1.9	-3.0	-4.3	-4.4
M19267	B	tropomyosin	36790_at	6937	regulation of muscle contraction	1.2	-1.2	-1.4	1.0	-1.6	-2.6	-3.0
M19267	B	tropomyosin	36791_g_at	6937	regulation of muscle contraction	1.2	-1.2	-1.2	1.3	-1.3	-1.2	-3.2
Z24727	B	tropomyosin isoform	36792_at	6937	regulation of muscle contraction	1.1	1.1	1.5	-1.2	-1.3	-1.6	-4.6
Y13492		smothelin-B	31830_s_at	6939	smooth muscle contraction	1.3	-2.0	-1.2	-1.2	1.0	1.1	4.7
K02566		alpha-2-thiol proteinase inhibitor	37234_at	6939	smooth muscle contraction	1.2	1.4	6.9	1.8	1.1	-2.8	-1.9
X13988		embryonic myosin heavy chain	32729_at	6941	striated muscle contraction	-1.4	-1.4	-5.1	8.8	1.8	2.9	1.8
U39412	B	alpha SNAP	36877_at	6944	membrane fusion	1.2	1.0	1.0	-1.7	-1.7	-2.7	-1.6
U74324		guanine nucleotide exchange factor mss4	38264_at	6944	membrane fusion	-1.5	1.7	-1.3	1.1	1.0	3.1	1.3
Y10032	B	putative serine/threonine protein kinase	973_at	6950	response to stress	1.5	-1.2	1.7	-1.4	-1.2	-2.3	-3.0
AB011123	B	KIAA0551	32680_at	6950	response to stress	-1.4	1.4	-1.4	-1.2	-1.4	-1.6	-3.5
AB014587	A	KIAA0687	35694_at	6950	response to stress	1.1	1.0	-1.6	1.3	1.7	1.2	2.8
AB007455	B	P53TG1-A	33749_at	6950	response to stress	1.0	1.0	1.1	-2.2	-2.3	-2.7	-3.4
AF010193		MAD-related gene SMAD7 (SMAD7)	1857_at	6950	response to stress	1.2	-2.0	1.2	1.1	-1.1	-1.1	3.7
U43784		mitogen activated protein kinase activated protein	1991_s_at	6950	response to stress	-1.1	1.3	-1.3	-2.5	-1.3	-1.4	-1.2
L26318		protein kinase (JNK1)	2070_i_at	6950	response to stress	1.0	-2.2	12.3	-1.5	-1.8	1.1	57.2
AF024710	A	vascular endothelial growth factor (VEGF)	1953_at	6950	response to stress	1.4	-1.3	1.0	1.8	1.4	1.1	5.8
L19872		AH-receptor	40516_at	6950	response to stress	1.4	-1.8	-1.2	1.9	1.3	1.4	3.2
M57729		complement component C5	37816_at	6950	response to stress	1.3	2.4	-6.0	-1.5	-2.5	-6.8	10.7
AF025887	B	glutathione S-transferase A4-4 (GSTA4)	40508_at	6950	response to stress	-1.1	-1.2	-1.5	-1.3	-2.2	-3.4	-4.2
U65416		MHC class I molecule (MICB) gene	35937_at	6950	response to stress	1.2	1.6	-3.4	1.1	3.2	3.5	1.1
U67156	A	mitogen-activated kinase kinase kinase 5 (MAPKKK5)	1327_s_at	6950	response to stress	-1.8	1.8	-1.2	2.9	2.3	2.1	1.6
AF099999	A	Sie-20 related kinase SPAK	40866_at	6950	response to stress	-1.1	-1.1	-1.6	1.1	1.4	1.5	2.6
AF022375	A	vascular endothelial growth factor	36100_at	6950	response to stress	1.0	-1.1	1.4	1.8	1.4	1.9	4.9
M63978	A	vascular endothelial growth factor gene	36101_s_at	6950	response to stress	2.5	-1.9	2.8	2.0	2.2	1.2	18.5
X89214	A	haptoglobin related protein	36984_f_at	6952	defense response	-1.5	-1.1	1.4	-1.1	1.4	2.6	2.0
X58072	B	hGATA3 trans-acting T-cell specific transcription factor	40511_at	6952	defense response	1.0	-1.4	-2.2	-1.5	-2.4	-4.5	-4.4

GenBank	Group	Affymetric Gene Annotation	Affymatrix Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
AF022797		intermediate conductance calcium-activated potassium channel	41106_at	6952	defense response	1.0	-1.1	3.2	1.1	1.1	1.4	2.6
M68516	B	protein C inhibitor gene	37008_r_at	6953	acute-phase response	1.0	-1.1	-2.8	-1.5	-3.3	-5.4	-29.3
Z34897	A	H1 histamine receptor	35384_at	6954	inflammatory response	-1.6	-1.8	3.6	1.0	4.6	1.8	2.8
X52015	A	interleukin-1 receptor antagonist	37603_at	6954	inflammatory response	-1.4	1.2	-1.8	1.0	1.6	1.5	3.0
X05908	A	lipocortin	37403_at	6954	inflammatory response	-1.2	-1.2	1.3	1.3	1.0	1.4	2.8
X72308		monocyte chemoattractant protein-3 (MCP-3)	39802_at	6954	inflammatory response	-1.8	-1.2	-1.8	-3.6	-1.2	-1.9	1.0
L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	6954	inflammatory response	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6
V01512	A	cellular oncogene c-fos	1916_s_at	6954	inflammatory response	-1.3	1.8	2.9	4.7	7.1	6.4	5.1
K02585		alpha-2-thiol proteinase inhibitor	37234_at	6954	inflammatory response	1.2	1.4	6.9	1.8	1.1	-2.8	-1.9
AF068180	B	B cell linker protein BLNK, alternatively spliced,	36242_at	6954	inflammatory response	-1.2	2.3	1.3	-1.1	-2.5	-2.2	-5.9
V01512	A	cellular oncogene c-fos	1915_s_at	6954	inflammatory response	1.1	1.6	1.9	2.5	3.0	2.2	3.5
U64197	A	chemokine exodus-1	40385_at	6954	inflammatory response	1.3	1.1	1.4	2.1	-1.4	1.6	46.4
M57729		complement component C5	37816_at	6954	inflammatory response	1.3	2.4	-6.0	-1.5	-2.5	-6.8	10.7
M36820	A	cytokine (GRO-beta)	37187_at	6954	inflammatory response	1.5	-1.4	1.9	1.7	1.5	1.4	3.9
M27492	B	interleukin 1 receptor	1368_at	6954	inflammatory response	-1.1	1.8	-1.2	1.4	-1.9	-3.1	-8.3
X80878		R kappa B	39137_at	6954	inflammatory response	2.2	1.1	1.1	-3.7	1.0	2.5	2.7
AF051152	A	Toll/interleukin-1 receptor-like protein 4 (TIL4)	40310_at	6954	inflammatory response	-1.3	1.0	1.0	3.2	2.1	3.0	2.5
AF017060	A	aldehyde oxidase (OAX-1)	37599_at	6954	inflammatory response	-1.6	-1.1	-1.2	1.1	1.0	2.9	2.3
X89101		Fas (Apo-1, CD95)	1808_s_at	6955	immune response	1.7	-1.3	2.0	1.8	1.2	5.7	-1.1
X83490		Fas/Apo-1	1440_s_at	6955	immune response	-1.1	-1.1	3.9	1.7	1.4	1.6	1.4
X12830		interleukin-6 (IL-6) receptor	160032_at	6955	immune response	-1.2	-1.5	-2.6	-1.2	1.0	-1.2	1.2
X16354	A	transmembrane carcinoembryonic antigen	988_at	6955	immune response	-9.5	1.1	3.3	1.1	2.6	8.6	4.6
AJ225089		2-5 oligoadenylate synthetase 59 kDa	34491_at	6955	immune response	2.2	1.8	1.1	-2.6	-2.9	-2.9	1.8
X63492		Fas/Apo-1	1441_s_at	6955	immune response	-1.9	-1.5	-2.2	2.5	1.0	3.1	1.8
X72308		monocyte chemoattractant protein-3 (MCP-3)	39802_at	6955	immune response	-1.8	-1.2	-1.8	-3.6	-1.2	-1.9	1.0
L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	6955	immune response	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6
X03909	B	gamma-interferon-inducible protein (IP-30)	39728_at	6955	immune response	1.3	1.1	-1.2	-1.5	-1.4	-1.2	-3.3
X52425	A	IL-4-R, the interleukin 4 receptor	404_at	6955	immune response	1.3	-1.2	2.3	1.8	2.4	1.8	2.9
U19247	B	interferon-gamma receptor alpha chain	1038_s_at	6955	immune response	-1.2	1.0	-1.2	1.5	-1.4	-2.2	-4.0
M13755	B	interferon-induced 17-kDa/15-kDa protein	1107_s_at	6955	immune response	1.5	1.2	1.0	-1.8	-1.9	-2.9	-1.4
M24594		interferon-inducible 56 Kd protein	915_at	6955	immune response	2.0	-1.1	-1.3	-2.3	-3.3	-2.8	1.9
L40387		thyroid receptor interactor (TRIP14)	269_at	6955	immune response	2.8	1.4	1.4	-2.1	-2.3	-4.4	1.4
U37518	B	TNF-related apoptosis inducing ligand TRAIL	1715_at	6955	immune response	-1.1	-1.5	-1.1	-1.7	-2.5	-5.1	-7.2
U94888		CC-chemokine receptor 10 (CCR10)	32484_at	6955	immune response	-2.3	-2.6	-1.5	-1.4	1.2	-2.4	-3.2
U64197	A	chemokine exodus-1	40385_at	6955	immune response	1.3	1.1	1.4	2.1	-1.4	1.6	46.4
AF026939		CIG49 (cig49)	38584_at	6955	immune response	1.3	1.4	-1.9	-1.3	-3.1	-1.6	1.6
M36820	A	cytokine (GRO-beta)	37187_at	6955	immune response	1.5	-1.4	1.9	1.7	1.5	1.4	3.9
Z93930	A	DNA sequence from clone 292E10 on chromosome 22q11-12	39755_at	6955	immune response	-1.1	-1.2	1.1	1.6	1.1	2.0	4.3
Z93930	A	DNA sequence from clone 292E10 on chromosome 22q11-12	39756_g_at	6955	immune response	-1.1	-1.1	1.4	1.3	1.4	1.6	2.7
AF001862	B	FYB binding protein	41819_at	6955	immune response	-1.9	1.2	-3.3	-1.2	-1.8	-3.1	-20.9
U60319		haemochromatosis protein (HLA-H)	38913_at	6955	immune response	3.5	1.2	1.3	1.1	-2.5	-1.2	-1.1
U15085		HLA-DMS	41609_at	6955	immune response	-1.4	1.2	1.7	1.8	1.0	-2.5	-3.2
M31932		IgG low affinity Fc fragment receptor (FcRIIa)	37609_l_at	6955	immune response	1.5	-1.4	1.5	1.2	-3.1	-2.7	-3.3
M34455		interferon-gamma-inducible indoleamine 2,3-dioxygenase (IDO)	36804_at	6955	immune response	-1.5	1.0	1.1	1.5	1.5	-1.5	2.5
M24594		interferon-inducible 56 Kd protein	32814_at	6955	immune response	2.0	-1.2	-1.9	-3.0	-8.0	-2.1	2.7
M27492	B	interleukin 1 receptor	1368_at	6955	immune response	-1.1	1.8	-1.2	1.4	-1.9	-3.1	-8.3
AF031167		interleukin 15 precursor (IL-15)	38488_s_at	6955	immune response	-2.9	-1.6	-1.5	-3.8	-5.8	-7.0	1.3
M14660		ISG-54K gene (interferon stimulated gene)	908_at	6955	immune response	-1.2	1.4	1.8	-1.5	-4.4	1.5	2.1
M14660		ISG-54K gene (interferon stimulated gene)	909_g_at	6955	immune response	-1.2	1.4	1.8	-1.5	-4.4	1.5	2.1
U65416		MHC class I molecule (MICB) gene	35937_at	6955	immune response	1.2	1.6	-3.4	1.1	3.2	3.5	1.1
J02931	A	placental tissue factor (two ms)	36543_at	6955	immune response	1.0	-1.1	2.4	5.7	8.2	11.3	8.2
AF051152	A	Toll/interleukin-1 receptor-like protein 4 (TIL4)	40310_at	6955	immune response	-1.3	1.0	1.0	3.2	2.1	3.0	2.5
M57729		complement component C5	37816_at	6957	complement activation, alternative pathway	1.3	2.4	-6.0	-1.5	-2.5	-6.8	10.7
M57729		complement component C5	37816_at	6958	complement activation, classical pathway	1.3	2.4	-6.0	-1.5	-2.5	-6.8	10.7
M25915	B	complement cytolysis inhibitor (CLI)	36780_at	6958	complement activation, classical pathway	1.0	-1.1	1.0	-1.8	-1.7	-2.1	-2.7
Z50194	A	PQ-rich protein	36239_at	6959	humoral immune response	1.2	1.0	11.2	12.9	3.8	9.4	42.4
AF068180	B	B cell linker protein BLNK, alternatively spliced,	36242_at	6959	humoral immune response	-1.2	2.3	1.3	-1.1	-2.5	-2.2	-5.9
X03663		c-fms proto-oncogene	160022_at	6960	antimicrobial humoral response (sensu Invertebrata)	-1.5	-2.1	-1.3	-1.5	-2.0	-10.7	-1.2
X72308		monocyte chemoattractant protein-3 (MCP-3)	39802_at	6960	antimicrobial humoral response (sensu Invertebrata)	-1.8	-1.2	-1.8	-3.6	-1.2	-1.9	1.0
U39817	A	Bloomer's syndrome protein (BLM)	1544_at	6960	antimicrobial humoral response (sensu Invertebrata)	-3.3	-1.4	1.8	-2.6	13.2	11.8	4.7
U64197	A	chemokine exodus-1	40385_at	6960	antimicrobial humoral response (sensu Invertebrata)	1.3	1.1	1.4	2.1	-1.4	1.6	46.4
U77604	B	microsomal glutathione S-transferase 2	820_at	6960	antimicrobial humoral response (sensu Invertebrata)	-1.2	1.4	-1.6	-1.1	-1.1	-1.3	-2.5
AF026977		microsomal glutathione S-transferase 3 (MGST3)	39018_at	6960	antimicrobial humoral response (sensu Invertebrata)	1.3	1.4	2.6	1.1	1.0	-1.2	-1.7
X68487	A	A2b adenosine receptor	36324_at	6968	cellular defense response	1.7	-1.2	1.4	2.8	1.9	1.9	2.0
U19142		GAGE-1 protein	31497_at	6968	cellular defense response	1.0	1.5	-3.0	1.3	1.0	-2.2	1.6
L13210	B	Mac-2 binding protein	37754_at	6968	cellular defense response	1.2	-1.3	-1.4	-2.3	-1.9	-1.9	-2.9
U65416		MHC class I molecule (MICB) gene	35937_at	6968	cellular defense response	1.2	1.6	-3.4	1.1	3.2	3.5	1.1
M32011		neutrophil oxidase factor (p67-phox)	41038_at	6968	cellular defense response	-2.4	1.8	-8.1	1.6	2.1	2.2	1.9
L78833	A	BRCA1, Rho7 and vatl genes	604_at	6974	response to DNA damage stimulus	-1.3	-3.1	-1.2	2.0	23.1	4.7	6.6
U64805	A	Brcal-delta11b (Brcal1)	33724_at	6974	response to DNA damage stimulus	1.4	-1.3	1.5	1.4	2.0	2.0	2.5
AF016582		checkpoint kinase Chk1 (CHK1)	38920_at	6974	response to DNA damage stimulus	-1.3	-1.4	6.2	22.1	1.2	2.0	11.9
AL022325	A	DNA sequence from Fosmid 27C3 on chromosome 22q11.2-q12	39374_at	6977	DNA damage response, signal transduction by p53 class mediator re	-2.3	1.0	-4.3	1.4	6.6	1.9	13.1
X99325		Ste20-like kinase	399_at	6979	response to oxidative stress	1.3	-6.0	2.5	-1.6	1.0	-1.4	1.3
X53463	B	glutathione peroxidase-like protein	35194_at	6979	response to oxidative stress	1.0	1.3	1.2	-2.5	-2.6	-2.3	-5.0
AB002348	B	KIAA0350	34681_at	6979	response to oxidative stress	1.3	-1.4	-1.5	-2.6	-1.4	-2.7	-1.7
Z11793	B	selenoprotein P	34363_at	6979	response to oxidative stress	-2.1	-1.1	-1.7	1.6	-1.5	-3.5	-9.1
U74612	A	hepatocyte nuclear factor-3/k head homolog 11A (HFH-11A)	34715_at	6979	response to oxidative stress	1.8	-1.1	1.4	1.1	2.3	2.4	4.2
D00632	B	glutathione peroxidase	770_at	6982	response to lipid hydroperoxide	1.4	-1.1	-1.4	-1.9	-2.0	-3.2	-2.2
AF055001		clone 24560 unknown	39733_at	6986	response to unfolded protein	1.2	1.1	-1.4	-1.2	-1.4	1.4	2.9

GenBank	Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
D64142			histone H1x	318_at	7001	chromosome organization and biogenesis (sensu Eukarya)	2.1	-1.3	-1.3	-5.6	-1.6	-2.0	6.4
D64142			histone H1x	319_g_at	7001	chromosome organization and biogenesis (sensu Eukarya)	1.1	-1.1	-1.8	-2.4	-1.6	-1.2	3.6
AJ223352	B		histone H2B, clone pG4-5-14	32819_at	7001	chromosome organization and biogenesis (sensu Eukarya)	-1.3	1.2	-1.3	-1.2	-1.3	-2.8	-1.6
AB019987	A		chromosome-associated polypeptide-C	34878_at	7001	chromosome organization and biogenesis (sensu Eukarya)	1.2	1.0	-1.1	1.7	2.3	4.2	5.7
AJ223353	B		histone H2B, clone pG4-5-15	38576_at	7001	chromosome organization and biogenesis (sensu Eukarya)	-1.9	1.3	-1.4	1.0	-1.2	-1.7	-2.8
X07948			transition protein 1 (TP1)	39639_s_at	7001	chromosome organization and biogenesis (sensu Eukarya)	-4.7	1.1	10.2	-1.3	-1.3	-3.1	-1.1
U14518	A		centromere protein-A (CENP-A)	527_at	7001	chromosome organization and biogenesis (sensu Eukarya)	1.2	1.0	-1.2	1.9	3.4	4.4	10.9
X03473	A		gene histone H1(O)	434_at	7001	chromosome organization and biogenesis (sensu Eukarya)	1.4	-1.5	2.2	-1.7	1.7	3.8	2.9
X57930	B		histones H2B, 1 and H2A	33352_at	7001	chromosome organization and biogenesis (sensu Eukarya)	-1.9	-1.1	-2.2	-2.1	-2.6	-4.0	-2.5
AF006513	A		Chk1	39231_at	7001	chromosome organization and biogenesis (sensu Eukarya)	-1.2	1.2	1.1	3.2	2.0	2.7	2.2
AF092563	A		chromosome-associated protein-E (hCAP-E)	37502_at	7001	chromosome organization and biogenesis (sensu Eukarya)	-2.0	1.0	1.4	5.5	1.5	5.1	3.4
X14850			H2A.X encoding histone H2A.X	40195_at	7001	chromosome organization and biogenesis (sensu Eukarya)	4.1	-1.5	-1.3	1.2	1.0	1.0	3.0
Z80780	B		H2B/h gene	31523_f_at	7001	chromosome organization and biogenesis (sensu Eukarya)	1.1	1.5	1.6	-1.2	-1.4	-1.5	-2.6
M37583	A		histone (H2A.Z)	39337_at	7001	chromosome organization and biogenesis (sensu Eukarya)	1.4	1.3	-2.6	1.3	1.8	2.6	2.6
U72936			putative DNA dependent ATPase and helicase (ATR)	39146_at	7001	chromosome organization and biogenesis (sensu Eukarya)	1.2	7.7	1.2	1.9	4.2	1.9	-1.7
AL009179	B		dJ97D16.4 (Histone H2B)	35576_f_at	7001	chromosome organization and biogenesis (sensu Eukarya)	-1.2	1.0	1.5	-1.4	-1.1	-1.3	-2.6
AL009179			dJ97D16.6 (Histone H3.1)	36757_at	7001	chromosome organization and biogenesis (sensu Eukarya)	-1.4	2.2	-1.4	1.1	-2.5	-2.6	-2.7
N35832			yx89b10.r1 cDNA	34964_at	7001	chromosome organization and biogenesis (sensu Eukarya)	5.3	-1.1	-2.2	-3.9	-5.4	-5.7	1.8
U59151	A		Cbf5p homolog (CBF5)	34829_at	7004	telomerase-dependent telomere maintenance	1.1	1.0	1.3	2.5	2.7	1.7	1.5
AF003001			TTAGGG repeat binding factor 1 (hTRF1-AS)	32257_f_at	7004	telomerase-dependent telomere maintenance	7.0	9.2	1.2	1.5	1.2	-2.9	2.9
X07695	B		cytokeratin 4 C-terminal region	39657_at	7010	cytoskeleton organization and biogenesis	-2.0	1.1	-1.3	-1.2	-1.6	-3.0	-7.1
AB026190			Kelch motif containing protein	37150_at	7010	cytoskeleton organization and biogenesis	-1.4	1.4	-3.6	1.2	1.5	1.5	-1.2
U13616	B		ankyrin G (ANK-3)	36965_at	7016	cytoskeletal anchoring	-1.4	1.2	-1.1	-1.1	-1.8	-1.8	-2.8
AL022325			DNA sequence from Fosmid 27C3 on chromosome 22q11.2-qter	39374_at	7017	microtubule-based process	-2.3	1.0	-4.3	1.4	6.6	1.9	13.1
AF064606			KB07 protein	36437_s_at	7020	microtubule nucleation	1.7	1.4	1.2	2.5	1.2	-1.2	2.7
W28255			44b8 cDNA	40894_at	7020	microtubule nucleation	29.3	1.1	1.9	1.4	-1.2	-4.0	-2.6
AJ007590			XRP2 protein	39964_at	7025	beta tubulin folding	1.2	1.9	-1.1	2.8	1.7	1.0	1.3
AF026086			peroxisome biogenesis disorder protein 1 (PEX1)	38366_g_at	7031	peroxisome organization and biogenesis	-1.3	1.3	-1.1	2.5	1.2	1.1	-1.6
AF026086			peroxisome biogenesis disorder protein 1 (PEX1), c	38365_at	7031	peroxisome organization and biogenesis	-1.1	-1.2	1.9	-1.2	-2.9	-2.4	1.1
S66213	A		integrin alpha 6B	33410_at	7044	cell-substrate junction assembly	1.3	-1.1	1.7	1.9	1.8	2.5	3.7
S66213	A		integrin alpha 6B	33411_g_at	7044	cell-substrate junction assembly	1.6	-1.1	-1.5	2.5	2.2	2.4	3.1
U72514	A		Czf	39357_at	7046	ribosome biogenesis	1.1	-1.2	1.1	1.0	1.4	1.4	2.5
D21337			collagen	39939_at	7048	oncogenesis	-1.2	-2.0	-7.7	-1.1	1.1	-1.9	-1.3
AJ007042	A		TRX5 protein	38988_at	7048	oncogenesis	1.0	1.2	-1.5	1.5	2.0	3.6	4.2
U19599			(BAX delta)	1997_s_at	7048	oncogenesis	2.9	1.6	2.7	1.2	-1.7	-2.9	-1.1
L22475			Bax gamma	2067_f_at	7048	oncogenesis	1.8	1.4	8.4	-1.1	-1.4	-4.5	-1.7
X66867			max gene	422_s_at	7048	oncogenesis	1.1	1.0	2.9	1.5	-1.2	1.0	-1.1
U03106			wild-type p53 activated fragment-1 (WAF1)	2031_s_at	7048	oncogenesis	1.0	-1.2	-1.4	-2.8	-2.1	-1.5	-1.2
U75285	A		apoptosis inhibitor survivin gene	40532_at	7048	oncogenesis	2.4	1.9	2.4	1.2	2.1	1.5	4.7
L22473			Bax alpha	2065_s_at	7048	oncogenesis	2.6	1.7	2.1	1.4	-1.1	-4.6	-1.4
U58516			breast epithelial antigen BA46	34403_at	7048	oncogenesis	1.8	1.0	2.6	-1.1	-1.1	1.2	-1.6
M68520	A		cdc2-related protein kinase	1792_g_at	7048	oncogenesis	-1.9	1.3	1.5	1.5	2.1	2.6	1.4
X60287			max	1981_s_at	7048	oncogenesis	1.8	1.0	3.1	1.4	1.5	-1.8	1.1
M64347	B		novel growth factor receptor	31805_at	7048	oncogenesis	1.1	1.0	-1.2	-1.6	-2.0	-1.5	-3.2
AF011468	A		serine/threonine kinase (BTAk)	34851_at	7048	oncogenesis	1.0	1.4	1.1	1.0	1.6	2.7	4.9
AF011468	A		serine/threonine kinase (BTAk)	34852_g_at	7048	oncogenesis	1.1	1.0	1.4	1.2	1.3	2.4	3.9
AI417038			Ig78b04.x1 cDNA	40533_at	7048	oncogenesis	1.6	1.6	-1.6	1.4	8.2	11.2	8.1
AB019987	A		chromosome-associated polypeptide-C	34878_at	7049	cell cycle	1.2	1.0	-1.1	1.7	2.3	4.2	5.7
D38073	A		hRif beta subunit (p102 protein)	33252_at	7049	cell cycle	1.8	1.0	1.8	1.1	3.3	3.7	4.3
D84557	A		HsMcm6	40117_at	7049	cell cycle	1.1	-1.1	1.1	1.5	2.4	3.2	3.2
D21063	A		KIAA0030	35312_at	7049	cell cycle	1.1	-1.5	-1.1	-1.3	2.2	1.8	3.1
D38553	A		KIAA0074	41639_at	7049	cell cycle	-1.1	-1.2	-1.3	2.1	9.5	2.0	11.2
D63880			KIAA0159	35314_at	7049	cell cycle	1.2	1.0	1.5	-1.2	-1.2	1.8	3.4
D79988			KIAA0166	37469_at	7049	cell cycle	3.9	1.5	-1.2	1.0	2.4	1.3	3.5
AJ000186			MAD2 protein	37282_at	7049	cell cycle	-1.4	1.3	-4.1	2.8	14.4	13.9	3.8
U65410	A		Mad2 (hsMAD2), complete cds	1720_at	7049	cell cycle	1.4	-2.1	1.6	1.6	4.8	7.5	9.5
L19872			AH-receptor	40516_at	7049	cell cycle	1.4	-1.8	-1.2	1.9	1.3	1.4	3.2
U29725	B		BMK1 alpha kinase	35617_at	7049	cell cycle	-1.1	-1.3	-1.2	-1.9	-1.7	-2.9	-1.4
U22398	B		Cdk-inhibitor p57KIP2 (KIP2)	1787_at	7049	cell cycle	1.1	-1.2	-1.3	-3.0	-4.4	-9.7	-4.9
U22398	B		Cdk-inhibitor p57KIP2 (KIP2)	39545_at	7049	cell cycle	-1.4	1.1	-1.1	-1.7	-2.3	-3.0	-5.9
AF016582			checkpoint kinase Chk1 (CHK1)	38920_at	7049	cell cycle	-1.3	-1.4	6.2	22.1	1.2	2.0	11.9
U20979	A		chromatin assembly factor-I p150 subunit	32589_at	7049	cell cycle	1.1	-1.4	-1.2	-2.0	2.7	3.9	3.1
U20980	A		chromatin assembly factor-I p60 subunit	36912_at	7049	cell cycle	3.2	-1.1	1.2	-2.2	9.3	5.6	3.6
AF020043	A		chromosome-associated polypeptide (HCAP)	34763_at	7049	cell cycle	1.1	1.5	-1.1	2.2	1.8	1.7	3.0
X54942	A		cks2s2 Cks1 protein homologue	40690_at	7049	cell cycle	1.0	-1.1	1.3	1.0	1.4	2.5	2.3
U28963	B		Gps2 (GPS2)	35653_at	7049	cell cycle	1.2	-2.0	-1.1	-1.9	-2.7	-3.8	-1.4
D64137	B		KIP2 gene Cdk-inhibitor p57KIP2	38673_s_at	7049	cell cycle	1.2	1.0	-1.2	-2.8	-4.0	-10.0	-5.0
AF053305	A		mitotic checkpoint kinase Bub1 (BUB1)	41081_at	7049	cell cycle	1.2	1.3	-5.3	2.1	2.2	7.2	7.6
AF011468	A		serine/threonine kinase (BTAk)	34851_at	7049	cell cycle	1.0	1.4	1.1	1.0	1.6	2.7	4.9
AF011468	A		serine/threonine kinase (BTAk)	34852_g_at	7049	cell cycle	1.1	1.0	1.4	1.2	1.3	2.4	3.9
AF015254	A		serine/threonine kinase (STK-1), complete cds /c	33266_at	7049	cell cycle	2.1	1.1	1.1	1.0	2.5	1.9	4.4
AF003001			TTAGGG repeat binding factor 1 (hTRF1-AS)	32257_f_at	7049	cell cycle	7.0	9.2	1.2	1.5	1.2	-2.9	2.9
X07024			X chromosome mRNA for CCG1 protein	112_g_at	7049	cell cycle	3.1	1.2	2.7	-1.9	-1.2	-1.7	1.2
V00568			encoding the c-myc oncogene	1973_s_at	7050	cell cycle arrest	1.0	1.0	4.4	1.8	1.5	1.3	4.5
L13698	B		gast1 gene	661_at	7050	cell cycle arrest	1.1	1.3	-2.2	-2.1	-1.5	-3.7	-8.6
M60974	A		growth arrest and DNA-damage-inducible protein	1911_s_at	7050	cell cycle arrest	1.2	1.1	-1.2	2.1	1.5	1.6	4.5
L25876	A		protein tyrosine phosphatase (CIP2)	1599_at	7050	cell cycle arrest	2.0	1.0	-2.4	-1.8	2.1	2.6	8.1
U03106			wild-type p53 activated fragment-1 (WAF1)	2031_s_at	7050	cell cycle arrest	1.0	-1.2	-1.4	-2.8	-2.1	-1.5	-1.2
U22398	B		Cdk-inhibitor p57KIP2 (KIP2)	1787_at	7050	cell cycle arrest	1.1	-1.2	-1.3	-3.0	-4.4	-9.7	-4.9

GenBank			Affymetrix			Fold Change						
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
U22398	B	Cdk-inhibitor p57KIP2 (KIP2)	39545_at	7050	cell cycle arrest	-1.4	1.1	1.1	-1.7	-2.3	-3.0	-5.9
V00568	A	c-myc oncogene	37724_at	7050	cell cycle arrest	-1.2	1.2	2.5	2.1	1.6	1.9	3.6
L13698	B	gas1 gene	41839_at	7050	cell cycle arrest	1.2	1.2	-2.0	-1.8	-1.5	-2.8	-10.6
D64137	B	KIP2 gene Cdk-inhibitor p57KIP2	38673_s_at	7050	cell cycle arrest	1.2	1.0	-1.2	-2.8	-4.0	-10.0	-5.0
S78467	A	glycoinositol phospholipid anchor synthetic element	221_s_at	7050	cell cycle arrest	-2.6	-1.5	2.0	2.7	2.1	1.3	2.6
M86699	A	kinase (TTK), complete cds	572_at	7052	mitotic spindle assembly	1.7	1.2	-1.5	2.5	6.0	7.2	11.3
AF020043	A	chromosome-associated polypeptide (HCAP)	34763_at	7052	mitotic spindle assembly	1.1	1.5	-1.1	2.2	1.8	1.7	3.0
AL021707	A	DNA sequence from clone 508115 on chromosome 22q12-13	35336_at	7052	mitotic spindle assembly	1.2	1.2	1.2	1.2	1.2	1.1	2.8
U37426	A	kinasin-like spindle protein HKSP (hKSP)	46726_at	7052	mitotic spindle assembly	1.2	-1.1	-2.0	1.3	1.9	3.2	4.1
AF020043	A	chromosome-associated polypeptide (HCAP)	34763_at	7059	chromosome segregation	1.1	1.5	-1.1	2.2	1.8	1.7	3.0
AF020043	A	chromosome-associated polypeptide (HCAP)	34763_at	7062	sister chromatid cohesion	1.1	1.5	-1.1	2.2	1.8	1.7	3.0
X51688	A	cyclin A	40697_at	7067	mitosis	2.0	-1.3	1.7	2.2	2.1	2.5	5.8
D88357	A	CDC2 delta T	33324_s_at	7067	mitosis	1.7	1.6	1.3	1.7	1.9	8.4	8.1
AB019987	A	chromosome-associated polypeptide-C	34878_at	7067	mitosis	1.2	1.0	-1.1	1.7	2.3	4.2	5.7
X51688	A	cyclin A	1943_at	7067	mitosis	1.0	-1.7	3.2	-1.3	2.4	4.4	6.1
Z36714	A	cyclin F	1925_at	7067	mitosis	1.1	-1.5	-2.7	1.3	1.7	1.7	3.4
AB024704	A	fls353	39109_at	7067	mitosis	1.1	1.3	-1.1	1.1	2.5	4.5	6.4
D38553	A	KIAA0074	41639_at	7067	mitosis	-1.1	-1.2	-1.3	2.1	9.5	2.0	11.2
D63880	A	KIAA0159	35314_at	7067	mitosis	1.2	1.0	1.5	-1.2	-1.2	1.8	3.4
D79988	A	KIAA0166	37469_at	7067	mitosis	3.9	1.5	-1.2	1.0	2.4	1.3	3.5
AJ000186	A	MAD2 protein	37282_at	7067	mitosis	-1.4	1.3	-4.1	2.8	14.4	13.9	3.8
X05360	A	CDC2 gene involved in cell cycle control	1803_at	7067	mitosis	-1.5	1.1	1.6	1.8	2.8	2.8	4.6
U66838	A	cyclin A1	1914_at	7067	mitosis	1.6	-1.1	2.0	2.7	3.4	3.4	11.1
M25753	A	cyclin B, 3 end	34736_at	7067	mitosis	1.8	-1.2	-1.3	1.6	3.2	2.7	6.1
U65410	A	Mad2 (hsmad2), complete cds	1739_at	7067	mitosis	1.4	-2.1	1.6	4.8	4.8	7.5	9.5
M81933	A	cdc25A	35407_at	7067	mitosis	1.4	-1.5	-1.5	1.4	5.8	4.2	3.8
M81933	A	cdc25A	35407_at	7067	mitosis	-2.3	-1.1	1.8	1.1	5.6	4.4	6.2
S78187	A	CDC25Hu2=cdc25+ homolog	1347_at	7067	mitosis	1.3	1.0	1.1	1.3	1.8	2.6	3.9
Y00272	A	cell cycle control gene CDC2	40915_r_at	7067	mitosis	-1.8	-1.1	-1.5	1.2	1.5	7.8	3.9
AF092563	A	chromosome-associated protein-E (hCAP-E)	37502_at	7067	mitosis	-2.0	1.0	1.4	5.5	1.5	5.1	3.4
AF052151	B	clone 24574 sequence	32209_at	7067	mitosis	1.2	-1.1	1.2	-1.4	-1.3	-2.6	-1.6
M25753	A	cyclin B	1945_at	7067	mitosis	2.0	1.0	-1.6	1.2	2.4	2.9	7.2
U30872	A	mitosin	37302_at	7067	mitosis	1.1	-1.2	-1.2	-1.7	1.1	5.1	5.7
U63743	A	mitotic centromere-associated kinesin	36837_at	7067	mitosis	1.6	1.4	-9.6	-5.2	7.6	4.9	10.9
AF053305	A	mitotic checkpoint kinase Bub1 (BUB1)	41081_at	7067	mitosis	1.2	1.3	-5.3	2.1	2.2	7.2	7.6
U05340	A	p53CDC	38414_at	7067	mitosis	1.5	1.0	1.3	1.0	1.7	4.0	4.5
U01038	A	pLK	37228_at	7067	mitosis	1.1	1.1	1.5	-1.5	5.7	1.9	6.6
AF017790	A	retinoblastoma-associated protein HEC	40041_at	7067	mitosis	1.2	2.0	1.3	-1.4	2.9	10.1	16.3
AF011468	A	serine/threonine kinase (BTK)	34851_at	7067	mitosis	1.0	1.4	1.1	1.0	1.6	2.7	4.9
AF011468	A	serine/threonine kinase (BTK)	34852_g_at	7067	mitosis	1.1	1.0	1.4	1.2	1.3	2.4	3.9
AF003001	A	TTAGGG repeat binding factor 1 (hTRF1-AS)	32257_f_at	7067	mitosis	7.0	9.2	1.2	1.5	1.2	-2.9	2.9
X82048	A	Wee1	36909_at	7067	mitosis	1.1	2.4	-1.5	2.0	4.1	3.4	3.9
AL080146	A	DKFZp348B174	32263_at	7067	mitosis	1.8	-1.7	-1.4	-2.8	-1.3	2.0	5.6
AB019987	A	chromosome-associated polypeptide-C	34878_at	7076	mitotic chromosome condensation	1.2	1.0	-1.1	1.7	2.3	4.2	5.7
D38553	A	KIAA0074	41639_at	7076	mitotic chromosome condensation	-1.1	-1.2	-1.3	2.1	9.5	2.0	11.2
D63880	A	KIAA0159	35314_at	7076	mitotic chromosome condensation	1.2	1.0	1.5	-1.2	-1.2	1.8	3.4
AF092563	A	chromosome-associated protein-E (hCAP-E)	37502_at	7076	mitotic chromosome condensation	-2.0	1.0	1.4	5.5	1.5	5.1	3.4
Z15005	A	CENP-E	37173_at	7079	mitotic chromosome movement	1.1	-1.6	4.9	8.6	7.3	9.9	23.7
Z15005	A	CENP-E	37173_at	7080	mitotic metaphase plate congression	1.1	-1.6	4.9	8.6	7.3	9.9	23.7
U30872	A	mitosin	37302_at	7088	regulation of mitosis	1.1	-1.2	-1.2	-1.7	1.1	5.1	5.7
D88357	A	CDC2 delta T	33324_s_at	7089	start control point of mitotic cell cycle	1.7	1.6	1.3	1.7	1.9	8.4	8.1
X05360	A	CDC2 gene involved in cell cycle control	1803_at	7089	start control point of mitotic cell cycle	-1.5	1.1	1.6	1.8	2.8	2.8	4.6
M68520	A	cdc2-related protein kinase	1792_g_at	7089	start control point of mitotic cell cycle	-1.1	1.3	1.5	1.5	2.1	2.6	1.4
Y00272	A	cell cycle control gene CDC2	40915_r_at	7089	start control point of mitotic cell cycle	-1.8	-1.1	-1.5	1.2	1.5	7.8	3.9
U43746	A	breast cancer susceptibility (BRCA2)	1989_at	7090	regulation of S phase of mitotic cell cycle	-2.3	1.3	1.6	-1.3	1.6	3.2	6.7
D79988	A	KIAA0166	37469_at	7093	mitotic checkpoint	3.9	1.5	-1.2	1.0	2.4	1.3	3.5
AJ000186	A	MAD2 protein	37282_at	7093	mitotic checkpoint	-1.4	1.3	-4.1	2.8	14.4	13.9	3.8
U65410	A	Mad2 (hsmad2), complete cds	1720_at	7093	mitotic checkpoint	1.4	-2.1	1.6	1.6	4.8	7.5	9.5
U43746	A	breast cancer susceptibility (BRCA2)	1989_at	7093	mitotic checkpoint	-2.3	1.3	1.6	-1.3	1.6	3.2	6.7
M86699	A	kinase (TTK), complete cds	572_at	7094	mitotic spindle checkpoint	1.7	1.2	-1.5	2.5	6.0	7.2	11.3
AF053305	A	mitotic checkpoint kinase Bub1 (BUB1)	41081_at	7094	mitotic spindle checkpoint	1.2	1.3	-5.3	2.1	2.2	7.2	7.6
X51688	A	cyclin A	40697_at	7095	mitotic G2 checkpoint	2.0	-1.3	1.7	2.2	2.1	2.5	5.8
X51688	A	cyclin A	1943_at	7095	mitotic G2 checkpoint	1.0	-1.7	3.2	-1.3	2.4	4.4	6.1
D79988	A	KIAA0166	37469_at	7096	regulation of exit from mitosis	3.9	1.5	-1.2	1.0	2.4	1.3	3.5
AL021707	A	DNA sequence from clone 508115 on chromosome 22q12-13	35336_at	7097	nuclear migration	1.2	1.2	1.2	1.2	1.2	1.1	2.8
X28386	A	nuclear localization sequence receptor hSRP1alpha	44007_at	7102	spindle pole body and microtubule cycle (sensu Saccharomyces)	1.3	1.2	-2.3	1.2	1.7	2.3	3.5
X53587	A	integrin beta 4	406_at	7125	invasive growth	1.2	-1.4	1.2	-1.6	1.3	1.3	4.2
L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	7125	invasive growth	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6
L19711	B	dystryglican (DAG1)	36989_at	7125	invasive growth	-1.1	-1.2	-1.1	-2.4	-2.3	-2.1	-3.1
M60278	A	heparin-binding EGF-like growth factor	38037_at	7125	invasive growth	1.3	1.5	2.7	1.8	2.3	2.8	33.8
X64116	A	PVR gene poliovirus receptor (exon 1)	32698_at	7125	invasive growth	1.4	-1.1	2.8	1.1	1.2	1.7	3.1
X64116	A	PVR gene poliovirus receptor (exon 1)	32699_s_at	7125	invasive growth	1.4	-1.1	2.8	1.1	1.2	1.7	3.1
Y08837	A	RAD51-like protein (XRCC2)	1300_at	7126	meiosis	1.0	-1.8	-4.5	2.1	1.6	1.9	2.4
X97795	A	homologous to S. cerevisiae RAD54	966_at	7126	meiosis	-1.2	-1.2	1.3	-1.3	1.8	1.9	2.9
U66838	A	cyclin A1	1914_at	7126	meiosis	1.6	-1.1	2.0	2.7	3.4	3.4	11.1
AF020043	A	chromosome-associated polypeptide (HCAP)	34763_at	7126	meiosis	1.1	1.5	-1.1	2.2	1.8	1.7	3.0
AF016582	A	checkpoint kinase Chk1 (CHK1)	38820_at	7131	meiotic recombination	-1.3	-1.4	6.2	22.1	1.2	2.0	11.9
U28455	A	phosphatidylinositol 3-kinase homolog (ATM)	2000_at	7131	meiotic recombination	1.5	1.3	1.0	1.6	-1.5	-2.5	1.4
AF034956	A	RAD51D	37793_r_at	7131	meiotic recombination	2.1	1.3	-1.1	2.9	2.0	-1.3	-1.1

GenBank			Affymetrix			Fold Change						
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
L26336	B	heat shock protein HSPA2	36925_at	7140	male meiosis	-1.5	1.2	-1.4	-1.3	-1.2	-2.2	-3.4
U66838	A	cyclin A1	1914_at	7141	male meiosis I	1.6	-1.1	2.0	2.7	3.4	3.4	11.1
AF006259	A	Rad51-interacting protein	35397_at	7145	recombination	-1.4	2.8	-1.5	-1.3	1.0	4.3	3.9
Y13492		smoothelin-B	31830_s_at	7148	cell shape and cell size control	1.3	-2.0	-1.2	-1.2	1.0	1.1	4.7
X01703	B	gene alpha-tubulin (b alpha 1)	40567_at	7148	cell shape and cell size control	-1.5	-1.3	-1.8	-1.7	-1.3	-2.6	-2.6
U22815		LAR-interacting protein 1a	41781_at	7148	cell shape and cell size control	-1.1	-1.1	1.4	1.9	1.5	2.7	1.0
AF045941		scellin (SCEL)	35105_at	7148	cell shape and cell size control	-2.6	1.0	1.1	1.5	1.6	1.1	1.4
AF099730		connexin 31 (GJB3) gene	41076_at	7154	cell communication	-1.1	-6.8	1.9	1.1	2.1	4.7	3.6
AF099731		connexin 31.1 (GJB5)	38903_at	7154	cell communication	1.0	1.2	2.6	1.2	1.7	1.7	1.2
AF025441		Opa-interacting protein OIP5	37474_at	7154	cell communication	1.3	12.5	-8.2	1.6	5.6	2.9	3.1
U77914	A	soluble protein Jagged	35414_s_at	7154	cell communication	1.2	1.2	-1.3	1.4	1.7	1.6	2.9
X14787		thrombospondin	115_at	7155	cell adhesion	1.0	-1.7	-1.3	1.1	1.1	1.0	2.5
D38163		a1(XIX) collagen chain	34018_at	7155	cell adhesion	3.7	-1.7	-4.4	1.5	-1.1	-4.0	1.0
X78947	A	connective tissue growth factor	36838_at	7155	cell adhesion	-1.4	1.1	-1.1	3.0	4.2	2.7	4.4
Z29083	A	5T4 gene 5T4 Oncofetal antigen	368_at	7155	cell adhesion	1.6	-1.1	1.6	1.6	1.7	1.1	2.6
U59325		cadherin-14	173_at	7155	cell adhesion	-10.1	2.7	-4.8	-1.5	1.0	-2.1	1.2
D13666		osf-2 osteoblast specific factor	1451_s_at	7155	cell adhesion	-9.9	-3.4	-40.9	-1.8	4.0	3.6	-6.6
D17517		Sky	2086_s_at	7155	cell adhesion	1.4	1.2	-1.7	-1.1	2.3	2.5	1.7
M76482	B	130-kD pemphigus vulgaris antigen	33693_at	7155	cell adhesion	-1.4	1.1	-1.5	1.1	-1.1	-1.3	-2.8
U91512		adhesion molecule ninjurin	41475_at	7155	cell adhesion	-1.1	-1.1	-5.8	-7.0	-11.6	-1.3	-3.1
U37139	A	beta 3-endonexin , long m and short m	38501_s_at	7155	cell adhesion	1.0	1.1	1.1	1.7	1.5	3.1	3.1
U58516		breast epithelial antigen BA46	34403_at	7155	cell adhesion	-1.8	1.0	2.6	-1.1	-1.1	1.2	-1.6
L34060		cadherin-8 , complete cds	1484_at	7155	cell adhesion	-1.4	1.9	2.6	1.0	1.7	-1.4	1.8
AF100780	B	connective tissue growth factor related protein WISP-2	35898_at	7155	cell adhesion	-1.3	-1.2	-1.3	-1.6	-1.7	-1.9	-3.8
Y12642	B	E48 gene	36284_at	7155	cell adhesion	1.1	-1.1	-1.6	-2.3	-2.3	-2.6	-2.4
AB007865	A	KIAA0405	34853_at	7155	cell adhesion	1.0	1.4	-1.5	1.3	1.5	2.4	2.5
X79683	B	LAMB2 beta2 laminin	38812_at	7155	cell adhesion	-1.3	-1.1	-1.3	-2.1	-1.6	-2.5	-3.6
U31201	A	laminin gamma2 chain gene (LAMC2)	35281_at	7155	cell adhesion	1.7	-1.6	4.5	1.3	11.4	4.7	8.0
U17760	A	laminin S B3 chain (LAMB3)	36929_at	7155	cell adhesion	1.0	-1.2	1.1	1.0	1.8	2.2	4.7
U18934		receptor tyrosine kinase (DTK)	35246_at	7155	cell adhesion	1.2	1.3	-1.5	-1.2	2.3	2.9	1.6
AF040990		roundabout 1 (robo1)	32944_at	7155	cell adhesion	-2.8	-1.1	-3.6	1.4	-1.2	-1.2	1.3
N36267		Soares melanocyte 2NbHM	2029_at	7155	cell adhesion	1.1	-1.3	4.1	1.7	1.1	1.2	-1.4
W27953		39h7 cDNA	31502_at	7155	cell adhesion	1.5	1.6	2.3	-1.2	-1.7	-3.6	-2.6
AL031228		dJ1033B10.10 (membrane protein with histidine rich charge cluster)	41652_at	7155	cell adhesion	2.4	2.9	2.2	2.3	1.4	1.1	-1.3
AB011535	B	MEGF1	38202_at	7156	homophilic cell adhesion	1.7	1.3	-2.1	-1.7	-1.1	-2.7	-2.2
U59325		cadherin-14	173_at	7156	homophilic cell adhesion	-10.1	2.7	-4.8	-1.5	1.0	-2.1	1.2
AF024710	A	vascular endothelial growth factor (VE)	1953_at	7156	homophilic cell adhesion	1.4	-1.3	1.0	1.8	1.4	1.1	5.8
M76482	B	130-kD pemphigus vulgaris antigen	33693_at	7156	homophilic cell adhesion	-1.4	1.1	-1.5	1.1	-1.1	-1.3	-2.8
L34060		cadherin-8 , complete cds	1484_at	7156	homophilic cell adhesion	-1.4	1.9	2.6	1.0	1.7	-1.4	1.8
AF022375	A	vascular endothelial growth factor	36100_at	7156	homophilic cell adhesion	1.0	-1.1	1.4	1.8	1.4	1.9	4.9
M63978	A	vascular endothelial growth factor gene	36101_s_at	7156	homophilic cell adhesion	2.5	-1.9	2.8	2.0	2.2	1.2	16.5
X84559		tetranectin	36569_at	7157	heterophilic cell adhesion	-2.6	-1.2	-2.6	1.2	1.7	-1.2	1.0
X15998	A	the chondroitin sulphate proteoglycan versican, V1	38114_at	7157	heterophilic cell adhesion	1.4	-1.4	-1.2	1.5	1.0	4.2	3.5
X15998	A	the chondroitin sulphate proteoglycan versican, V1	38112_g_at	7157	heterophilic cell adhesion	1.2	-1.1	-1.4	1.4	2.6	5.3	2.9
U41514	A	UDP-GalNAc-polyphosphate N-acetylgalactosaminyltransferase	38041_at	7157	heterophilic cell adhesion	-1.1	-1.1	1.0	2.6	2.0	1.8	1.2
X53587	A	Integrin beta 4	406_at	7160	cell-matrix adhesion	1.2	-1.4	1.2	-1.6	1.3	1.3	4.2
AB011792		extracellular matrix protein	39673_i_at	7160	cell-matrix adhesion	-1.2	1.8	-1.2	1.0	-1.2	-1.3	3.0
AB011792		extracellular matrix protein, complete cds /cd	39674_r_at	7160	cell-matrix adhesion	-1.7	1.3	1.3	-1.7	-2.6	-2.3	2.2
X06256	A	integrin alpha 5 subunit	39753_at	7160	cell-matrix adhesion	-1.2	-1.2	-2.6	1.3	1.8	1.6	3.7
X17033	A	integrin alpha-2 subunit	1978_at	7160	cell-matrix adhesion	1.4	-1.4	2.1	3.4	4.4	5.0	7.1
X53002	A	integrin beta-5 subunit	39754_at	7160	cell-matrix adhesion	1.0	1.2	1.1	1.9	4.0	7.1	4.6
X68742	A	integrin, alpha subunit	120_at	7160	cell-matrix adhesion	1.0	1.6	1.8	-1.2	1.3	3.3	2.8
M35011	A	integrin beta-5 subunit	2058_s_at	7160	cell-matrix adhesion	1.0	1.0	1.3	1.1	2.2	3.2	3.5
M69911		integrin alpha-3 chain	885_g_at	7160	cell-matrix adhesion	1.2	-1.7	-1.7	-1.5	1.1	1.3	6.5
M69911	A	integrin alpha-3 chain	884_at	7160	cell-matrix adhesion	1.2	-1.4	1.0	-1.2	1.5	1.3	3.4
M73780		integrin beta-8 subunit	889_at	7160	cell-matrix adhesion	-1.2	1.7	-4.3	3.2	-1.3	-1.2	1.1
U22815		LAR-interacting protein 1a	41781_at	7160	cell-matrix adhesion	-1.1	-1.1	1.4	1.9	1.5	2.7	1.0
S66213	A	integrin alpha 6B	33410_at	7160	cell-matrix adhesion	1.3	-1.1	1.7	1.9	1.8	2.5	3.7
S66213	A	integrin alpha 6B	33411_g_at	7160	cell-matrix adhesion	1.6	-1.1	-1.5	2.5	2.2	2.4	3.1
X69550		rho GDP-dissociation inhibitor 1	40164_at	7162	negative regulation of cell adhesion	1.3	-2.0	-1.6	-2.5	-2.0	-2.2	1.4
N48190		yz03f09 s1 cDNA	41254_at	7162	negative regulation of cell adhesion	-4.3	1.0	1.3	1.0	1.7	-9.7	1.4
U02390	B	adenylyl cyclase-associated protein homolog CAP2 (CAP2)	33404_at	7163	establishment and/or maintenance of cell polarity	-2.0	1.0	-1.1	-1.4	-2.0	1.4	-8.2
L37882	B	frizzled gene product	36799_at	7164	establishment of tissue polarity	1.6	-1.6	1.0	-3.2	-2.7	-5.3	-3.6
U43318		putative transmembrane receptor (frizzled 5)	34997_r_at	7164	establishment of tissue polarity	-1.9	-1.8	1.5	-2.6	-1.2	1.4	1.2
X89101		Fas (Apo-1, CD95)	1808_r_at	7165	signal transduction	1.7	-1.3	2.0	1.8	1.2	5.7	-1.1
X83490		Fas/Apo-1	1440_s_at	7165	signal transduction	-1.1	-1.1	3.9	1.7	1.4	1.6	1.4
X99325		Ste20-like kinase	399_at	7165	signal transduction	1.3	-6.0	2.5	-1.6	1.0	-1.4	1.3
D14874		adrenomedullin precursor	34777_at	7165	signal transduction	-1.5	1.1	-2.7	-1.4	-1.2	-1.3	-2.2
AJ224538	B	AMP-activated protein kinase beta 2 subunit	36705_at	7165	signal transduction	1.3	-1.1	1.3	-1.2	-1.2	-1.6	-2.5
Z75190	A	apolipoprotein E receptor 2	32398_s_at	7165	signal transduction	1.6	1.7	1.5	4.4	7.8	2.4	3.6
X03663		c-fms proto-oncogene	160022_at	7165	signal transduction	-1.5	-2.1	-1.3	-1.5	-2.0	-10.7	-1.2
X83492		Fas/Apo-1	1441_s_at	7165	signal transduction	-1.9	-1.5	-2.2	2.5	1.0	3.1	1.8
D86963		KIAA0208	40873_at	7165	signal transduction	1.2	-1.4	1.4	-3.0	1.5	1.2	1.4
AB020634		KIAA0827	40713_at	7165	signal transduction	1.5	6.0	11.7	1.9	1.6	6.1	-2.4
AB023153	B	KIAA0936	41431_at	7165	signal transduction	1.3	-1.1	-1.5	-1.7	-2.9	-1.9	-2.0
X72308		monocyte chemoattractant protein-3 (MCP-3)	39802_at	7165	signal transduction	-1.8	-1.2	-1.8	-3.6	-1.2	-1.9	1.0
Z36715	A	Net transcription factor	37527_at	7165	signal transduction	1.3	1.6	1.9	1.9	2.3	3.4	2.6
Y07586	B	RIT protein	38331_at	7165	signal transduction	1.0	-1.1	1.3	1.2	-1.5	-1.7	-2.6
X97674	B	transcriptional intermediary factor 2	34313_at	7165	signal transduction	2.3	1.6	-1.1	-1.5	-1.5	-1.3	-2.5

GenBank	Group	Affymetric Gene Annotation	Affymetric Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
D16532	A	very low density lipoprotein receptor	36873_at	7165	signal transduction	-2.3	-1.1	-1.8	1.2	-1.1	5.5	24.2
Y09392		WLSL-LR, WLSL-S1 and WLSL-S2 proteins	41189_at	7165	signal transduction	-2.0	-1.6	-2.8	1.1	1.2	2.9	1.4
U83508	B	angiotensin-1, complete cds	1929_at	7165	signal transduction	1.0	1.6	-1.3	1.0	1.0	-2.8	-5.4
U59913		chromosome 5 Mad homolog Smad5	1013_at	7165	signal transduction	-1.4	1.5	1.2	2.4	-1.1	3.3	1.4
M62397	B	colorectal mutant cancer protein	1832_at	7165	signal transduction	1.3	-1.2	1.4	-1.1	-1.8	-3.6	-2.3
U84388	A	death domain containing protein CRADD	1211_s_at	7165	signal transduction	-1.3	1.3	-1.3	2.7	1.5	1.4	1.4
U12535	A	epidermal growth factor receptor kinase substrate	1467_at	7165	signal transduction	-1.3	-1.3	1.1	2.1	1.9	3.0	4.3
M27543		guanine nucleotide-binding protein (G)	876_at	7165	signal transduction	-1.2	1.9	-2.7	3.6	2.6	1.0	1.0
X52425	A	IL-4-R beta interleukin 4 receptor	404_at	7165	signal transduction	1.3	-1.2	2.3	1.8	2.4	1.8	2.9
U19247	B	interferon-gamma receptor alpha chain	1038_s_at	7165	signal transduction	-1.2	1.0	-1.2	1.5	-1.4	-2.2	-4.0
M60828		keratinocyte growth factor, complete cds	1380_at	7165	signal transduction	1.2	-14.5	6.4	-1.4	-1.5	-7.3	-1.9
U33052		lipid-activated, protein kinase PRK2	199_s_at	7165	signal transduction	-1.1	1.0	3.3	1.5	1.1	1.1	1.2
L05624	A	MAP kinase kinase, complete cds	1844_s_at	7165	signal transduction	1.7	1.6	1.1	2.7	2.5	2.2	3.7
U43784		mitogen activated protein kinase activated protein	1991_s_at	7165	signal transduction	-1.1	1.3	-1.3	-2.5	-1.3	-1.4	-1.2
L26318		protein kinase (JNK1)	2070_i_at	7165	signal transduction	1.0	-2.2	12.3	-1.5	-1.8	1.1	57.2
U81802	B	PtdIns 4-kinase (PI4Kb)	146_at	7165	signal transduction	1.5	1.0	1.1	-1.1	-1.6	-2.8	-1.5
L36645		receptor protein-tyrosine kinase	1606_at	7165	signal transduction	-2.3	1.0	1.2	-1.2	-2.5	-8.6	-6.3
M97815		retinoic acid-binding protein II	1057_at	7165	signal transduction	-1.2	-1.1	1.0	-1.2	-1.4	-4.3	-2.9
D17517		Sky	2086_s_at	7165	signal transduction	1.4	1.2	-1.7	-1.1	2.3	2.5	1.7
U37518	B	TNF-related apoptosis inducing ligand TRAIL	1715_at	7165	signal transduction	-1.1	-1.5	-1.1	-1.7	-2.5	-5.1	-7.2
M27691		transactivator protein (CREB)	37535_at	7165	signal transduction	3.0	1.3	-1.3	1.8	-1.1	-1.1	1.8
M19154		transmembrane growth factor-beta-2	1262_s_at	7165	signal transduction	-1.8	1.0	-1.4	1.4	-1.1	1.2	2.7
AF024710	A	vascular endothelial growth factor (VE)	1953_at	7165	signal transduction	1.4	-1.3	1.0	1.8	1.4	1.1	5.8
U43142		vascular endothelial growth factor related protein	159_at	7165	signal transduction	2.7	-2.3	-2.0	1.3	1.5	1.2	3.3
U81787	A	Wnt10B	1018_at	7165	signal transduction	1.1	-1.3	2.4	1.6	2.7	1.3	1.2
L36529	A	(clone N5-4) protein p84	40242_at	7165	signal transduction	-1.2	1.0	1.1	2.2	2.0	2.1	3.7
AF022116		5-AMP-activated protein kinase beta-1	35348_at	7165	signal transduction	1.4	1.0	-2.8	-1.7	-1.4	-2.1	1.6
U78575	B	68 kDa type I phosphatidylinositol-4-phosphate 5-kinase alpha	31833_at	7165	signal transduction	1.4	-1.5	-1.4	1.2	-1.9	-3.1	1.2
L11695		activin receptor-like kinase (ALK-5)	32903_at	7165	signal transduction	2.8	-5.4	1.2	1.0	-1.2	2.8	-1.4
U02390	B	adenylyl cyclase-associated protein homolog CAP2 (CAP2)	33404_at	7165	signal transduction	-2.0	1.0	-1.1	-1.4	-2.0	1.4	-8.2
L19872		AH-receptor	40516_at	7165	signal transduction	1.4	-1.8	-1.2	1.9	1.3	1.4	3.2
AF041474		BAF53a	41278_at	7165	signal transduction	1.1	1.6	-1.7	2.7	2.0	2.2	1.8
U37139	A	beta 3-endonexin, long m and short m	38501_s_at	7165	signal transduction	1.0	1.1	1.1	1.7	1.5	3.1	3.1
U29725	B	BMK1 alpha kinase	35617_at	7165	signal transduction	-1.1	-1.3	-1.2	-1.9	-1.7	-2.9	-1.4
U66063	B	calcium/calmodulin-dependent protein kinase II	32104_i_at	7165	signal transduction	1.2	-1.4	-1.8	-1.9	-2.7	-3.2	-2.7
U65887		CDP-diaclyglycerol synthase	40217_s_at	7165	signal transduction	1.1	1.3	-2.7	1.4	1.1	-1.3	1.0
U64197	A	chemokine exodus-1	40385_at	7165	signal transduction	1.3	1.1	1.4	2.1	-1.4	1.6	46.4
U59913		chromosome 5 Mad homolog Smad5	39926_at	7165	signal transduction	1.7	1.1	-1.5	1.5	-1.1	3.3	1.2
AF053356		chromosome 7q22	38831_f_at	7165	signal transduction	1.1	-1.7	-1.2	-3.0	-1.4	-1.1	-1.9
AF020043	A	chromosome-associated polypeptide (HCAP)	34763_at	7165	signal transduction	1.1	1.5	-1.1	2.2	1.8	1.7	3.0
U79291		clone 23721 sequence	38443_at	7165	signal transduction	-1.3	1.5	-2.1	1.7	1.7	2.5	1.0
AF055008	B	clone 24720 epithelin 1 and 2	41189_at	7165	signal transduction	1.4	-1.2	-1.3	-2.5	-2.0	-3.1	-2.1
M62397	B	colorectal mutant cancer protein	35561_at	7165	signal transduction	2.0	1.6	-1.1	-1.2	-1.4	-2.3	-2.7
AF100780	B	connective tissue growth factor related protein WISP-2	35898_at	7165	signal transduction	-1.3	-1.2	-1.3	-1.6	-1.7	-1.9	-3.8
X76104	B	DAP-kinase	40049_at	7165	signal transduction	1.2	1.5	-1.2	-2.0	-1.2	-1.4	-2.6
X64229	A	dek	38992_at	7165	signal transduction	1.0	1.1	1.3	1.8	2.0	2.6	3.1
D86407		DNA apoER2	40012_at	7165	signal transduction	14.0	1.0	1.5	3.9	2.9	2.6	4.6
AF001862	B	FYN binding protein	41819_at	7165	signal transduction	-1.9	1.2	-3.3	-1.2	-1.8	-3.1	-20.9
M63904	A	G-alpha 16 protein	40365_at	7165	signal transduction	1.2	-1.2	1.0	1.0	1.5	1.5	2.8
AF044311	B	gamma-synuclein gene	36555_at	7165	signal transduction	-1.9	-1.2	-2.4	-1.3	-1.7	-2.9	-2.4
M60047	A	heparin binding protein (HbP17)	38489_at	7165	signal transduction	1.0	-1.4	1.4	1.4	1.8	3.0	2.6
M60278	A	heparin-binding EGF-like growth factor	38037_at	7165	signal transduction	1.3	1.5	2.7	1.8	2.3	2.8	33.8
AB012853	A	ING1L ING1Lp	39555_at	7165	signal transduction	1.0	1.3	1.8	1.0	6.0	1.4	3.6
U96922		inositol polyphosphate 4-phosphatase type II-alpha	38168_at	7165	signal transduction	1.6	-1.5	1.7	2.9	1.9	1.5	1.3
S82539	A	insulin receptor substrate-1	850_r_at	7165	signal transduction	-1.6	1.2	-1.3	2.9	2.0	1.7	1.1
S82539		insulin receptor substrate-1	41049_at	7165	signal transduction	1.9	8.3	-1.7	11.2	-3.2	1.0	6.6
AF031187		interleukin 15 precursor (IL-15)	38488_s_at	7165	signal transduction	-2.9	-1.6	-1.5	-3.8	-5.8	-7.0	1.3
U22815		LAR-interacting protein 1a	41781_at	7165	signal transduction	-1.1	-1.1	1.4	1.9	1.5	2.7	1.0
AF061258	A	LIM protein	40060_r_at	7165	signal transduction	-1.1	1.3	1.6	1.6	2.0	1.3	4.8
L13210	B	Mac-2 binding protein	37754_at	7165	signal transduction	1.2	-1.3	-1.4	-2.3	1.9	-1.9	-2.9
L36870		MAP kinase kinase 4 (MKK4)	1845_at	7165	signal transduction	1.0	1.5	-1.4	1.4	2.0	2.6	-2.0
U77604	B	microsomal glutathione S-transferase 2	820_at	7165	signal transduction	-1.2	1.4	-1.6	-1.1	-1.1	-1.3	-2.5
AF026977		microsomal glutathione S-transferase 3 (MGST3)	39018_at	7165	signal transduction	1.3	1.4	2.6	1.1	1.0	-1.2	-1.7
U97105		N2A3	40607_at	7165	signal transduction	1.1	1.2	-1.7	1.3	2.2	2.9	1.7
M18728	A	nonspecific crossreacting antigen	36105_at	7165	signal transduction	-2.7	-1.3	-1.2	1.3	3.6	1.9	4.0
M64925		palmitoylated erythrocyte membrane protein (MPP1)	32207_at	7165	signal transduction	1.0	1.7	1.8	-1.1	-1.5	-3.1	-1.6
U26455		phosphatidylinositol 3-kinase homolog (ATM)	2000_at	7165	signal transduction	1.5	1.3	1.0	1.6	-1.5	-2.5	1.4
U18934		receptor tyrosine kinase (DTK)	35246_at	7165	signal transduction	1.2	1.3	-1.5	-1.2	2.3	2.9	1.6
M97815	B	retinoic acid-binding protein II (CRABP-II)	41783_at	7165	signal transduction	-1.7	-1.3	1.0	-1.7	-2.7	-3.5	-3.0
AF045458	B	serine/threonine kinase ULK1 (ULK1)	34827_at	7165	signal transduction	1.1	-1.3	-1.6	-3.2	-3.4	-2.4	-1.9
AF039843	A	Sprouty 2 (SPRY2)	33700_at	7165	signal transduction	1.3	1.3	3.1	4.5	3.0	6.0	8.3
AF022375	A	vascular endothelial growth factor	36100_at	7165	signal transduction	1.0	-1.1	1.4	1.8	1.4	1.9	4.9
M63978	A	vascular endothelial growth factor gene	36101_s_at	7165	signal transduction	2.5	-1.9	2.8	2.0	2.2	1.2	18.5
W27953		39n7 cDNA	31502_at	7165	signal transduction	1.5	1.6	2.3	-1.2	-1.7	-3.6	-2.6
Z18859	B	cone transducin alpha subunit	34571_at	7165	signal transduction	1.6	1.4	-1.5	-1.3	-1.2	-2.6	1.0
AL031781	A	dJ51J12.1 ortholog of zebrafish Quaking protein homolog ZKG-1	39760_at	7165	signal transduction	1.0	-1.1	-3.2	1.5	1.1	1.5	2.5
AL031781	A	J51J12.1.3 ortholog of mouse KH Domain RNA Binding protein	39759_at	7165	signal transduction	1.3	1.2	1.7	2.1	2.5	4.4	5.9
AL049969	A	DKFZp564A072	37366_at	7165	signal transduction	1.4	1.0	1.0	1.4	1.8	1.7	2.7
AL049370	B	DKFZp566D0918	41856_at	7165	signal transduction	1.2	-1.2	-1.1	-1.5	-1.8	-3.2	-1.6

GenBank	Accession #	Group	Affymetric Gene Annotation	Affymetric Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	20	24
	S62539		insulin receptor substrate-1	851_s_at	7165	signal transduction	-1.3	1.6	2.7	2.3	2.0	-1.1		
	AA902713	B	ok7111.s1 cDNA	39388_at	7165	signal transduction	1.0	-1.4	-1.9	-1.6	-2.8	-2.1	-4.6	
	S59184	A	related to receptor tyrosine kinase	37756_at	7165	signal transduction	-1.9	1.2	1.3	3.1	1.9	1.7	1.3	
	S59184		RYK-related to receptor tyrosine kinase	539_at	7165	signal transduction	-1.1	1.4	2.3	1.2	-1.9	-3.4	1.1	
	X12830		interleukin-6 (IL-6) receptor	160032_at	7166	cell surface receptor linked signal transduction	-1.2	-1.5	-2.6	-1.2	1.0	-1.2	1.2	
	X05908	A	lipocortin	37403_at	7166	cell surface receptor linked signal transduction	-1.2	-1.2	1.3	1.3	1.0	1.4	2.8	
	Y09392		WLS-LR, WLS-S1 and WLS-S2 proteins	41189_at	7166	cell surface receptor linked signal transduction	-2.0	-1.6	-2.8	1.1	1.2	2.9	1.4	
	L42243		(clone 51H8) alternatively splice	1598_at	7166	cell surface receptor linked signal transduction	1.2	-1.3	-5.5	-1.3	-1.3	1.3	1.7	
	U05875	A	clone pSK1 interferon gamma receptor accessory factor-1 (AF-1)	13140_at	7166	cell surface receptor linked signal transduction	-1.1	1.1	1.7	1.9	1.7	2.2	3.4	
	M27492	B	interleukin 1 receptor	1368_at	7166	cell surface receptor linked signal transduction	-1.1	1.8	-1.2	1.4	-1.9	-3.1	-3.3	
	U25897		stanniocalcin precursor (STC)	41354_at	7166	cell surface receptor linked signal transduction	-4.2	-2.5	-2.1	-1.2	2.7	2.5	2.1	
	AF098462	A	stanniocalcin-related protein	32043_at	7166	cell surface receptor linked signal transduction	-1.2	1.0	1.3	2.2	2.0	1.5	9.9	
	AW026535		wv14f10.x1 cDNA	33830_at	7166	cell surface receptor linked signal transduction	-2.7	1.2	-1.3	2.4	1.2	-1.3	-1.8	
	X03663		c-fms proto-oncogene	160022_at	7169	transmembrane receptor protein tyrosine kinase signaling pathway	-1.5	-2.1	-1.3	-1.5	-2.0	-10.7	-1.2	
	D83492	B	Eph-family protein	39930_at	7169	transmembrane receptor protein tyrosine kinase signaling pathway	-1.1	-1.6	-1.1	-1.9	-2.2	-5.3	-2.4	
	AF035121		KDR/rlk-1 protein	1954_at	7169	transmembrane receptor protein tyrosine kinase signaling pathway	1.4	-1.7	1.0	-1.1	-4.3	-3.6	-2.9	
	L36645		receptor protein-tyrosine kinase	1606_at	7169	transmembrane receptor protein tyrosine kinase signaling pathway	-2.3	1.0	1.2	-1.2	-2.5	-8.6	-6.3	
	M97675		transmembrane receptor (ror1)	213_at	7169	transmembrane receptor protein tyrosine kinase signaling pathway	1.0	-1.2	2.3	-1.1	-1.5	-1.9	-2.8	
	M34309	B	epidermal growth factor receptor (HER3)	1585_at	7169	transmembrane receptor protein tyrosine kinase signaling pathway	1.0	-1.6	-1.4	-2.3	-1.7	-5.1	-1.5	
	M34309	B	epidermal growth factor receptor (HER3)	32787_at	7169	transmembrane receptor protein tyrosine kinase signaling pathway	1.1	-1.3	-3.2	-2.0	-1.7	-2.3	-2.3	
	D30783	A	epiregulin	34476_r_at	7173	EGF receptor signaling pathway	-1.8	2.1	5.3	13.1	11.1	3.2	13.5	
	U12535	A	epidermal growth factor receptor kinase substrate	1467_at	7173	EGF receptor signaling pathway	-1.3	-1.3	1.1	2.1	1.9	3.0	4.3	
	U59913		chromosome 5 Mad homolog Smd5	1013_at	7179	TGFbeta receptor signaling pathway	-1.4	1.5	1.2	2.4	-1.1	3.3	1.4	
	AF010193		MAD-related gene SMAD7 (SMAD7)	1857_at	7179	TGFbeta receptor signaling pathway	1.2	-2.0	1.2	1.1	-1.1	-1.1	3.7	
	M38449	B	transforming growth factor-beta, complete	1830_s_at	7179	TGFbeta receptor signaling pathway	1.2	-1.6	1.2	-4.9	-1.5	-2.9	-1.1	
	U59913		chromosome 5 Mad homolog Smd5	39826_at	7179	TGFbeta receptor signaling pathway	1.7	1.1	-1.5	1.5	-1.1	3.3	1.2	
	L11695		activin receptor-like kinase (ALK-5)	32803_at	7181	TGFbeta receptor complex assembly	2.8	-5.4	1.2	1.0	-1.2	2.8	-1.4	
	AL049338		DKF Zp564P116	33910_at	7185	transmembrane receptor protein tyrosine phosphatase signaling path	6.1	14.4	-1.1	5.7	1.3	17.2	3.6	
	X68487	A	A2b adenosine receptor	36324_at	7186	G-protein coupled receptor protein signaling pathway	1.7	-1.2	1.4	2.8	1.9	1.9	2.0	
	X80818		metabotropic glutamate receptor type 4	35485_at	7186	G-protein coupled receptor protein signaling pathway	1.1	-1.1	1.6	1.1	1.1	-2.6	-1.7	
	L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	7186	G-protein coupled receptor protein signaling pathway	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6	
	M27543		guanine nucleotide-binding protein (Gi)	876_at	7186	G-protein coupled receptor protein signaling pathway	-1.2	1.9	-2.7	3.6	2.6	1.0	1.0	
	U19487	B	prostaglandin E2 receptor	828_at	7186	G-protein coupled receptor protein signaling pathway	-1.1	1.3	-2.0	-1.3	-1.3	-1.9	-2.9	
	U64871		putative G-protein-coupled receptor (GPR19)	156_s_at	7186	G-protein coupled receptor protein signaling pathway	1.1	2.6	1.1	1.3	-1.1	-2.2	1.6	
	U94888		CC-chemokine receptor 10 (CCR10)	32484_at	7186	G-protein coupled receptor protein signaling pathway	-2.3	-2.6	-1.5	-1.4	1.2	-2.4	-3.2	
	U20980	A	chromatin assembly factor-1 p60 subunit	36912_at	7186	G-protein coupled receptor protein signaling pathway	3.2	-1.1	1.2	-2.2	9.3	5.6	3.6	
	AF053356		chromosome 7q22	38831_f_at	7186	G-protein coupled receptor protein signaling pathway	1.1	-1.7	-1.2	-3.0	-1.4	-1.1	-1.9	
	M57729		complement component C5	37816_at	7186	G-protein coupled receptor protein signaling pathway	1.3	2.4	-6.0	-1.5	-2.5	-6.8	10.7	
	M36820	A	cytokine (GRO-beta)	37187_at	7186	G-protein coupled receptor protein signaling pathway	1.5	-1.4	1.9	1.7	1.5	1.4	3.9	
	AF015257		flow-induced endothelial G protein-coupled receptor	37447_at	7186	G-protein coupled receptor protein signaling pathway	1.5	1.5	-2.7	-1.1	1.3	-2.0	-1.3	
	L37882	B	frizzled gene product	36799_at	7186	G-protein coupled receptor protein signaling pathway	1.6	-1.6	1.0	-3.2	2.7	-5.3	-3.6	
	U13696	B	G-protein-coupled receptor (GPR1)	33882_at	7186	G-protein coupled receptor protein signaling pathway	1.1	1.5	-1.4	-2.1	-2.5	-1.7	-4.4	
	M63904	A	G-alpha 16 protein	40365_at	7186	G-protein coupled receptor protein signaling pathway	1.2	1.0	1.0	1.0	1.5	1.5	2.8	
	U67058	A	proteinase activated receptor-2	38247_at	7186	G-protein coupled receptor protein signaling pathway	1.0	1.3	1.0	1.3	1.0	1.0	2.5	
	U43318	A	putative transmembrane receptor (frizzled 5)	34997_r_at	7186	G-protein coupled receptor protein signaling pathway	-1.9	-1.8	1.5	-2.6	-1.2	1.4	1.2	
	Z18859	B	cone transducin alpha subunit	34571_at	7186	G-protein coupled receptor protein signaling pathway	1.6	1.4	-1.5	-1.3	-1.2	-2.6	1.0	
	L41147		5-HT6 serotonin receptor	32907_at	7187	G-protein signaling, coupled to cyclic nucleotide second messenger	-1.9	1.1	2.8	-2.1	2.0	2.5	-1.7	
	X68487	A	A2b adenosine receptor	36324_at	7190	adenylyl cyclase activation	1.7	-1.2	1.4	2.8	1.9	1.9	2.0	
	U02390	B	adenylyl cyclase-associated protein homolog CAP2 (CAP2)	33404_at	7190	adenylyl cyclase activation	-2.0	1.0	-1.1	-1.4	-2.0	1.4	-8.2	
	AF013252		preprocorinistatin (Cort), complete cds (85,40	36016_at	7193	G-protein signaling, adenylyl cyclase inhibiting pathway	-1.7	2.0	1.5	-1.1	-2.5	1.2	2.5	
	X80818		metabotropic glutamate receptor type 4	35485_at	7194	negative regulation of adenylyl cyclase activity	1.1	-1.1	1.6	1.1	1.1	-2.6	-1.7	
	M27543		guanine nucleotide-binding protein (Gi)	876_at	7194	negative regulation of adenylyl cyclase activity	-1.2	1.9	-2.7	3.6	2.6	1.0	1.0	
	Z34897	A	H1 histamine receptor	35384_at	7200	G-protein signaling, coupled to IP3 second messenger (phospholipase C activation)	-1.6	-1.8	3.6	1.0	4.6	1.8	2.8	
	M63904	A	G-alpha 16 protein	40365_at	7202	phospholipase C activation	1.2	-1.2	1.0	1.0	1.5	1.5	2.8	
	L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	7204	cytosolic calcium ion concentration elevation	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6	
	U67058	A	proteinase activated receptor-2	38247_at	7204	cytosolic calcium ion concentration elevation	1.0	1.3	1.0	1.3	1.0	1.0	2.5	
	M63904	A	G-alpha 16 protein	40365_at	7207	muscarinic acetyl choline receptor, phospholipase C activating pathway	1.2	-1.2	1.0	1.0	1.5	1.5	2.8	
	X51405		carboxypeptidase E (EC 3.4.17.10)	36606_at	7218	neuropeptide signaling pathway	1.2	1.2	-2.6	1.8	-1.2	-2.6	-1.9	
	D86962	A	KIAA0207	37615_at	7218	neuropeptide signaling pathway	1.1	1.8	-1.4	1.2	1.3	1.2	2.9	
	Y00757		polypeptide TB2	34265_at	7218	neuropeptide signaling pathway	-1.7	-1.2	1.4	1.4	1.1	1.6	9.7	
	U81787	A	Wnt10B	1018_at	7223	frizzled-2 signaling pathway	1.1	-1.3	2.4	1.6	2.7	1.3	1.2	
	Z71621		Wnt-13	33684_at	7223	frizzled-2 signaling pathway	1.2	1.0	2.7	1.2	-1.9	4.2	1.2	
	X53587	A	integrin beta 4	406_at	7229	integrin-mediated signaling pathway	1.2	-1.4	1.2	-1.6	1.3	1.3	4.2	
	X06256	A	integrin alpha 5 subunit	39753_at	7229	integrin-mediated signaling pathway	-1.2	-1.2	-2.6	1.3	1.8	1.6	3.7	
	X17033	A	integrin alpha-2 subunit	1978_at	7229	integrin-mediated signaling pathway	1.4	-1.4	2.1	3.4	4.4	5.0	7.1	
	X53002	A	integrin beta-5 subunit	39754_at	7229	integrin-mediated signaling pathway	1.0	1.2	1.1	1.9	4.0	7.1	4.6	
	X68742	A	integrin, alpha subunit	120_at	7229	integrin-mediated signaling pathway	1.0	1.6	1.8	-1.2	1.3	3.3	2.8	
	M35011	A	integrin beta-5 subunit	2058_s_at	7229	integrin-mediated signaling pathway	1.0	1.0	1.3	1.1	2.2	3.2	3.5	
	M59911		integrin alpha-3 chain	885_g_at	7229	integrin-mediated signaling pathway	1.2	-1.7	-1.7	-1.5	1.1	1.3	6.5	
	M59911	A	integrin alpha-3 chain	884_at	7229	integrin-mediated signaling pathway	1.2	-1.4	1.0	-1.2	1.5	1.3	3.4	
	M73780		integrin beta-8 subunit	889_at	7229	integrin-mediated signaling pathway	-1.2	1.7	-4.3	3.2	-1.3	-1.2	1.1	
	S66213	A	integrin alpha 6B	33410_at	7229	integrin-mediated signaling pathway	1.3	-1.1	1.7	1.9	1.8	2.5	3.7	
	S66213	B	integrin alpha 6B	33411_g_at	7229	integrin-mediated signaling pathway	1.6	-1.1	-1.5	2.5	2.2	2.4	3.1	
	D42108		phospholipase C	1182_at	7242	intracellular signaling cascade	6.8	-1.2	-1.2	-2.2	1.2	-2.5	1.0	
	X06318		protein kinase C (PKC) type beta I	13396_s_at	7242	intracellular signaling cascade	-1.9	-2.6	-1.1	1.6	-2.5	-1.1	1.7	
	X93510	B	37 KDa LIM domain protein	32610_at	7242	intracellular signaling cascade	1.3	-1.4	-1.4	-2.2	-2.2	-3.3	-2.3	
	AB006988		CIS4	39959_at	7242	intracellular signaling cascade	1.6	1.4	2.2	9.5	1.2	-1.1	1.6	
	D25538	A	KIAA0037	40585_at	7242	intracellular signaling cascade	1.3	1.0	-1.1	1.1	2.1	1.5	2.8	
	D86962	A	KIAA0207	37615_at	7242	intracellular signaling cascade	1.1	1.8	-1.4	1.2	1.3	1.2	2.9	

GenBank	Group	Affymetric Gene Annotation	Affymetric Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
AB002298	B	KIAA0300	40834_at	7242	intracellular signaling cascade	1.4	1.2	-1.5	-1.6	-1.4	-1.6	-2.8
AB002367		KIAA0369	38957_at	7242	intracellular signaling cascade	-1.5	1.1	-1.7	2.0	-1.2	-4.1	-3.0
AB014551	A	KIAA0651	40099_at	7242	intracellular signaling cascade	1.3	-1.8	2.1	1.4	2.2	1.7	6.6
AB023166		KIAA0949	32081_at	7242	intracellular signaling cascade	1.2	9.3	-1.5	-4.0	6.1	12.3	2.7
AB028998		KIAA1075	35358_at	7242	intracellular signaling cascade	3.8	-1.3	4.7	-1.5	-3.7	1.4	4.6
X51408		n-chimaerin	40512_at	7242	intracellular signaling cascade	-1.4	1.3	1.6	-1.5	-1.2	-4.3	-2.3
D88532	B	p55plik	322_at	7242	intracellular signaling cascade	1.6	-1.1	1.3	1.2	-1.9	-4.7	-1.9
D88532		p55plik_complete cds	34479_at	7242	intracellular signaling cascade	3.0	2.0	3.7	-2.1	-2.0	-2.6	-3.9
AJ001306		PDZ domain protein	38145_at	7242	intracellular signaling cascade	-1.3	-2.8	-2.5	1.6	-1.6	-7.4	-2.2
Y11312	B	phosphoinositide 3-kinase	41715_at	7242	intracellular signaling cascade	1.5	1.2	-2.0	-2.8	-3.0	-3.6	-9.6
D10495	B	protein kinase C delta-type	1810_s_at	7242	intracellular signaling cascade	1.2	1.3	-1.2	-1.6	-2.0	-2.6	-1.7
U38545		ARF-activated phosphatidylcholine-specific phosphatase	177_at	7242	intracellular signaling cascade	-1.1	-1.4	1.3	-1.6	-3.5	-2.4	-2.0
M15990	A	c-yes-1	1674_at	7242	intracellular signaling cascade	-1.8	1.1	-1.3	2.2	1.7	2.5	1.5
M64174	B	protein-tyrosine kinase (JAK1)	1457_at	7242	intracellular signaling cascade	1.4	1.5	1.1	-1.7	-1.7	-3.4	-1.9
U48730		transcription factor Stat5b (stat5b)	472_at	7242	intracellular signaling cascade	-1.1	1.7	-1.8	-3.3	-1.7	-1.2	-1.5
L36818	B	(clone 51C-3) 51C protein	36598_s_at	7242	intracellular signaling cascade	1.2	-1.1	-1.4	-2.2	-2.3	-3.1	-1.6
AF036927	B	adenylyl cyclase type IX	33800_at	7242	intracellular signaling cascade	1.1	1.0	1.2	-1.8	-1.2	-1.8	-3.7
X83543	B	APXL	39283_at	7242	intracellular signaling cascade	1.4	-1.1	-1.5	1.1	1.0	-2.0	-2.7
AF068180	B	B cell linker protein BLNK, alternatively spliced, beta2-syntrophin (SNT B2)	38242_at	7242	intracellular signaling cascade	-1.2	2.3	1.3	-1.1	-2.5	-2.2	-5.9
U40572	B		40589_at	7242	intracellular signaling cascade	1.3	1.1	-2.3	-2.1	-2.3	-1.7	-3.4
M95712		B-raf	1654_at	7242	intracellular signaling cascade	-1.2	1.2	-2.9	-2.0	-1.5	1.3	-1.2
AC005954	B	chromosome 19, cosmid R28784	35148_at	7242	intracellular signaling cascade	-1.2	-1.5	-3.0	-1.4	-1.6	-2.1	-2.3
AF007156		clone 23617 unknown	38162_at	7242	intracellular signaling cascade	-1.5	6.0	2.0	-1.7	3.8	-2.6	-1.3
U79291		clone 23721 sequence	38443_at	7242	intracellular signaling cascade	-1.3	1.5	-2.1	1.7	1.7	2.5	1.0
U90907	B	clone 23907	37961_at	7242	intracellular signaling cascade	1.5	-1.2	-1.6	-1.5	-2.3	-3.7	-4.4
U72066	A	CtBP interacting protein CtIP (CtIP)	40100_at	7242	intracellular signaling cascade	-1.1	1.0	2.4	2.2	1.3	2.0	2.9
AF015926	B	ezrin-radixin-moesin binding phosphoprotein-50	32174_at	7242	intracellular signaling cascade	1.0	-1.1	1.1	-1.7	-1.9	-3.0	-3.6
M23379	A	GTPase-activating protein ras p21 (RASA)	1675_at	7242	intracellular signaling cascade	-1.3	1.5	1.7	3.5	3.2	3.7	5.6
M23379	A	GTPase-activating protein ras p21 (RASA)	36935_at	7242	intracellular signaling cascade	-1.2	1.2	-1.5	2.3	2.4	2.5	3.6
U72206		guanine nucleotide regulatory factor (LFP40)	40101_q_at	7242	intracellular signaling cascade	-1.3	1.5	3.0	-1.4	1.6	1.2	4.0
U13896		homolog of Drosophila discs large protein, isom 2 (hdlg-2) mR	40065_s_at	7242	intracellular signaling cascade	1.0	-1.2	1.5	1.2	-3.4	-1.6	-1.5
AF061268	A	LM protein	40060_r_at	7242	intracellular signaling cascade	1.1	1.3	1.6	1.6	2.0	1.3	4.8
M64925		palmitoylated erythrocyte membrane protein (MPP1)	32207_at	7242	intracellular signaling cascade	1.0	1.7	1.8	-1.1	-1.5	-3.1	-1.6
AF150247	A	cDNA (clone=CBFBCC09	39957_at	7242	intracellular signaling cascade	-1.7	1.0	1.6	2.7	1.8	2.6	1.6
AL049969	A	DKFZp564A072	37366_at	7242	intracellular signaling cascade	1.4	1.0	1.0	1.4	1.8	1.7	2.7
AL050148	B	DKFZp586G1520	35645_at	7242	intracellular signaling cascade	-1.7	-1.5	-1.4	-1.2	-1.4	-1.2	-4.4
AB011123	B	KIAA0551	32680_at	7243	protein kinase cascade	-1.4	1.4	-1.4	-1.2	-1.4	-1.6	-3.5
AB014529	A	KIAA0629	34657_at	7243	protein kinase cascade	-1.3	1.5	-1.3	2.6	1.8	1.9	1.8
AB014587	A	KIAA0687	35694_at	7243	protein kinase cascade	1.1	1.0	-1.6	1.3	1.7	1.2	2.8
AF001862	B	FYN binding protein	41819_at	7243	protein kinase cascade	-1.9	1.2	-3.3	-1.2	-1.8	-3.1	-20.9
X68487	A	A2b adenosine receptor	36324_at	7254	JNK cascade	1.7	-1.2	1.4	2.8	1.9	1.9	2.0
L26318		protein kinase (JNK1)	2070_l_at	7254	JNK cascade	1.0	-2.0	12.3	-1.5	-1.8	1.1	57.2
U28963	B	Cps2 (GPS2)	35653_at	7254	JNK cascade	1.2	-2.0	-1.1	-1.9	-2.7	-3.8	-1.4
L36870		MAP kinase kinase 4 (MKK4)	1845_at	7254	JNK cascade	1.0	1.5	-1.4	1.4	2.0	2.6	2.0
U67156	A	mitogen-activated kinase kinase kinase 5 (MAPKKK5)	1327_s_at	7257	activation of JUNK	-1.8	1.8	-1.2	2.9	2.3	2.1	1.6
L42243		(clone 51H8) alternatively splice	1588_at	7259	JAK-STAT cascade	1.2	-1.3	-5.5	-1.3	1.3	1.3	1.7
U48730		transcription factor Stat5b (stat5b)	472_at	7259	JAK-STAT cascade	-1.1	1.7	-1.8	-3.3	-1.7	-1.2	-1.5
M64347	B	novel growth factor receptor	31805_at	7259	JAK-STAT cascade	1.1	1.0	-1.2	-1.6	-2.0	-1.5	-3.2
D87467		KIAA0277	38062_at	7264	small GTPase mediated signal transduction	-1.8	1.3	-1.3	1.5	1.6	3.0	1.2
Y07566	B	RIT protein	38331_at	7264	small GTPase mediated signal transduction	1.0	-1.1	1.3	1.2	-1.5	-1.7	-2.6
U05227	B	Rar protein	555_at	7264	small GTPase mediated signal transduction	-1.2	-1.1	1.0	1.1	-1.3	-1.6	-5.3
U57093		small GTP-binding protein Rab27b	808_at	7264	small GTPase mediated signal transduction	-1.5	1.2	1.8	1.0	5.9	10.0	1.3
U59877	A	low-Mr GTP-binding protein (RAB31)	33371_s_at	7264	small GTPase mediated signal transduction	-1.5	-1.1	-1.1	-1.2	1.6	1.5	7.7
AI553878		tn30a05.x1 cDNA	41450_at	7264	small GTPase mediated signal transduction	-1.1	1.1	-1.1	1.9	1.5	2.8	-1.2
U38545		ARF-activated phosphatidylcholine-specific phosphatase	177_at	7265	RAS protein signal transduction	-1.1	-1.4	1.3	-1.6	-3.5	-2.4	-2.0
U26914		ras-responsive element binding protein (RREB-1)	1714_at	7265	RAS protein signal transduction	1.1	-1.1	3.6	1.2	-1.3	-1.7	1.0
X69550		rho GDP-dissociation inhibitor 1	40164_at	7266	Rho protein signal transduction	1.3	-2.0	-1.6	-2.5	-2.0	-2.2	1.4
N36267		Soares melanocyte ZNBM	2029_at	7266	Rho protein signal transduction	1.1	-1.3	4.1	1.7	1.1	1.2	-1.4
X58377	A	adipogenesis inhibitory factor	35464_at	7267	cell-cell signaling	1.0	-10.1	1.0	1.7	4.8	2.0	12.8
D14874		adrenomedullin precursor	34777_at	7267	cell-cell signaling	-1.5	1.1	-2.7	-1.4	-1.2	-1.3	-2.2
D30783	A	epiregulin	34476_r_at	7267	cell-cell signaling	-1.8	2.1	5.3	13.1	11.1	3.2	13.5
D13633	A	KIAA0008	37231_at	7267	cell-cell signaling	-1.7	1.3	5.5	3.2	4.9	3.2	18.3
D8962	A	KIAA0207	37615_at	7267	cell-cell signaling	1.1	1.8	-1.4	1.2	1.3	1.2	2.9
X72308		monocyte chemoattractant protein-3 (MCP-3)	39802_at	7267	cell-cell signaling	-1.8	-1.2	-1.8	-3.6	-1.2	-1.9	1.0
X70340	A	transforming growth factor alpha	160025_at	7267	cell-cell signaling	-1.4	-1.4	1.6	3.9	3.7	4.5	8.5
L37360		(clone hEHK1-L) EHK1 receptor tyrosine kinase	898_s_at	7267	cell-cell signaling	1.4	1.1	1.2	1.2	1.1	-2.3	-3.3
J03779	B	common acute lymphoblastic leukemia antigen	1389_at	7267	cell-cell signaling	-1.1	1.2	1.2	1.1	-2.0	-2.5	-3.2
X17094	A	furin	35338_at	7267	cell-cell signaling	1.7	1.1	1.6	1.2	4.6	2.0	1.8
M13755	B	interferon-induced 17-kDa/15-kDa protein	1107_s_at	7267	cell-cell signaling	1.5	1.2	1.0	-1.8	-1.9	-2.9	-1.4
M60828		keratinocyte growth factor , complete cds	1380_at	7267	cell-cell signaling	1.2	-14.5	6.4	-1.4	-1.5	-7.3	-1.9
U37518	B	TNF-related apoptosis inducing ligand TRAIL	1715_at	7267	cell-cell signaling	-1.1	-1.5	-1.1	-1.7	-2.5	-5.1	-7.2
M38449	B	transforming growth factor-beta , complete cds	1830_s_at	7267	cell-cell signaling	1.2	-1.6	1.2	-1.9	-1.5	-2.8	-1.1
M19154	B	transmembrane growth factor-beta-2	1262_s_at	7267	cell-cell signaling	-1.8	1.0	-1.4	1.4	-1.1	1.2	2.7
U26726	B	11-beta-hydroxysteroid dehydrogenase type 2	39697_at	7267	cell-cell signaling	-1.2	1.0	-1.7	-2.3	-3.4	-11.3	-7.1
M30704	A	amphiregulin (AR)	34898_at	7267	cell-cell signaling	1.0	-1.3	2.3	1.5	2.3	3.9	11.0
M67730	B	B61	40425_at	7267	cell-cell signaling	1.4	1.1	-1.7	-1.5	-2.0	-1.8	-2.7
M22489		bone morphogenetic protein 2A (BMP-2A)	1113_at	7267	cell-cell signaling	-1.4	-2.1	-1.1	-1.2	1.3	-1.5	3.1
M22489		bone morphogenetic protein 2A (BMP-2A)	40367_at	7267	cell-cell signaling	-1.2	-1.9	1.0	1.1	-1.1	-1.5	2.5
U64197	A	chemokine exodus-1	40385_at	7267	cell-cell signaling	1.3	1.1	1.4	2.1	-1.4	1.6	46.4

GenBank		Affymetrix		Fold Change								
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
AF056008	B	clone 24720 epithelin 1 and 2	41198_at	7267	cell-cell signaling	1.4	-1.2	-1.3	-2.5	-2.0	-3.1	-2.1
AF100780	B	connective tissue growth factor related protein WISP-2	35898_at	7267	cell-cell signaling	-1.3	-1.2	-1.3	-1.6	-1.7	-1.9	-3.8
M60047	A	heparin binding protein (HbP17)	38489_at	7267	cell-cell signaling	1.0	-1.4	1.4	1.4	1.8	3.0	2.6
AF031167		interleukin 15 precursor (IL-15)	38488_s_at	7267	cell-cell signaling	-2.9	-1.6	-1.5	-3.8	-5.8	-7.0	1.3
U81262	A	LERK5 (LERK5)	34334_at	7267	cell-cell signaling	1.2	-1.3	1.0	2.1	2.9	1.6	3.5
U77604	B	microsomal glutathione S-transferase 2	820_at	7267	cell-cell signaling	-1.2	1.4	-1.6	-1.1	-1.1	-1.3	-2.5
M18728	A	nonspecific crossreacting antigen	36105_at	7267	cell-cell signaling	-2.7	-1.3	-1.2	1.3	3.6	1.9	4.0
M24351	A	parathyroid hormone-like protein	615_s_at	7267	cell-cell signaling	-1.5	-2.0	-1.2	2.6	3.9	2.8	6.1
J03803	A	renal carcinoma parathyroid hormone-like peptide	37909_at	7267	cell-cell signaling	-1.1	1.6	-1.9	1.4	9.1	1.1	12.8
AF039843	A	Sprouty 2 (SPRY2)	33700_at	7275	cell-cell signaling	-1.3	-1.3	3.1	4.5	3.0	6.0	8.3
U25997		stanniocalcin precursor (STC)	41354_at	7267	cell-cell signaling	-4.2	-2.5	-2.1	-1.2	2.7	2.5	2.1
AF098462	A	stanniocalcin-related protein	32043_at	7267	cell-cell signaling	-1.2	1.0	1.3	2.2	2.0	1.5	9.9
M31682	B	testicular inhibin beta-B subunit	38545_at	7267	cell-cell signaling	-1.3	-1.1	-1.2	-1.2	-1.6	-2.0	-3.7
X64810	B	Homo Sapiens encoding PC1/PC3	40849_at	7267	cell-cell signaling	1.4	1.0	-1.6	-1.9	-2.0	-2.5	-3.2
AI765533	A	wi81c01.x1 cDNA	34335_at	7267	cell-cell signaling	-1.3	1.3	1.1	1.9	2.2	2.8	3.2
D26443	B	glutamate transporter	36609_at	7268	synaptic transmission	1.1	-1.2	1.2	1.6	-1.4	-1.4	-2.5
X80818		metabotropic glutamate receptor type 4	35485_at	7268	synaptic transmission	1.1	-1.1	1.6	1.1	1.1	-2.6	-1.7
L41147		5-HT6 serotonin receptor	32907_at	7268	synaptic transmission	-1.9	1.1	2.8	-2.1	2.0	2.5	-1.7
M81883		glutamate decarboxylase (GAD67)	37183_at	7268	synaptic transmission	2.5	1.1	2.0	3.1	-1.3	-2.1	8.5
X79683	B	LAMB2 beta2 laminin	38812_at	7268	synaptic transmission	-1.3	-1.1	-1.3	-2.1	-1.6	-2.5	-3.6
U61849		neuronal pentraxin 1 (NPTX1)	37921_at	7268	synaptic transmission	-1.8	1.4	1.5	8.8	1.1	-1.6	-6.8
AF013252		preprocartistatin (Cort) , complete cds /cds=(85,40	36016_at	7268	synaptic transmission	-1.7	2.0	1.5	-1.1	-2.5	1.2	2.5
W26407	B	29b8 cDNA	33446_at	7268	synaptic transmission	-1.4	1.8	-1.1	1.1	-1.6	-2.0	-9.2
X13293		B-myb gene	1854_at	7275	development	2.2	-1.3	1.0	1.1	3.1	1.3	2.6
X83697	A	integrin beta 4	406_at	7275	development	-1.2	-1.4	1.2	-1.8	1.3	1.3	4.2
X12830		interleukin-6 (IL-6) receptor	160032_at	7275	development	-1.2	-1.5	-2.6	-1.2	1.0	-1.2	1.2
X14787		thrombospondin	115_at	7275	development	1.0	-1.7	-1.3	1.1	1.1	1.0	2.5
X03663		c-fms proto-oncogene	160022_at	7275	development	-1.5	-2.1	-1.3	-1.5	-2.0	-10.7	-1.2
X92518	A	HMG-C	35200_at	7275	development	-1.1	1.2	2.4	2.6	2.8	3.3	3.0
D13891	B	Id-2H	41215_s_at	7275	development	-1.3	-1.7	-1.5	-1.9	-2.7	-5.6	-6.5
X53002	A	integrin beta-5 subunit	39764_at	7275	development	1.0	1.2	1.1	1.9	4.0	7.1	4.6
D82344		NBPhox	35020_at	7275	development	-2.2	1.1	2.3	12.0	-1.5	-2.7	1.7
X89750	A	TGIF protein	38805_at	7275	development	-1.2	1.2	1.9	1.9	1.7	2.1	3.7
X15998	A	the chondroitin sulphate proteoglycan versican, V1	38111_at	7275	development	1.4	-1.4	-1.2	1.5	1.0	4.2	3.5
X15998	A	the chondroitin sulphate proteoglycan versican, V1	38112_g_at	7275	development	1.2	-1.1	-1.4	1.4	2.6	5.3	2.9
U69196	A	cDNA /clone=198754	38288_at	7275	development	-1.4	1.7	1.0	2.1	1.3	1.7	3.5
L12701		engrailed protein (EN2) gene	1133_at	7275	development	4.1	-2.0	1.5	2.6	-2.5	1.0	-1.2
M35011	A	integrin beta-5 subunit	2058_s_at	7275	development	1.0	1.0	1.3	1.1	2.2	3.2	3.5
M16750	A	pim-1 oncogene	1779_s_at	7275	development	-1.2	-1.3	2.3	1.8	2.4	1.9	3.8
M97675		transmembrane receptor (ror1)	213_at	7275	development	1.0	-1.2	2.3	-1.1	-1.5	-1.9	-2.8
U81787	A	Wnt10B	1018_at	7275	development	1.1	-1.3	2.4	1.6	2.7	1.3	1.2
M22498	B	bone morphogenetic protein 1 (BMP-1)	39407_at	7275	development	3.6	-1.1	-1.7	-3.2	-2.1	-4.8	-1.6
U94898		CC-chemokine receptor 10 (CCR10)	32484_at	7275	development	-2.3	-2.6	-1.5	-1.4	1.2	-2.4	-3.2
AF037339	B	cleft lip and palate transmembrane protein 1 (CLPTM1)	41413_at	7275	development	2.0	-1.5	-1.7	-1.5	-1.8	-2.8	1.1
M19481	A	foliastatin gene	38356_at	7275	development	1.6	-1.3	2.0	1.6	-1.5	2.1	67.5
L37882	B	frizzled gene product	36799_at	7275	development	1.6	-1.6	1.0	-3.2	-2.7	-5.3	-3.6
M95585		hepatic leukemia factor (HLF)	38627_at	7275	development	-2.0	1.9	-6.5	3.2	-1.1	-3.6	1.3
X77956		Id1	36617_at	7275	development	1.4	1.1	4.4	2.4	1.0	1.0	1.8
X77956		Id1	36618_g_at	7275	development	-1.4	1.0	2.6	1.5	-1.1	-1.3	1.2
X72841		IEF 7442	41515_at	7275	development	-7.0	2.2	1.3	2.9	1.1	-1.4	3.4
M73780		integrin beta-8 subunit	889_at	7275	development	-1.2	1.7	-4.3	3.2	-1.3	-1.2	1.1
U81262	A	LERK5 (LERK5)	34334_at	7275	development	1.2	-1.3	1.0	2.1	2.9	1.6	3.5
X80200	B	MLN62	37912_at	7275	development	1.3	-2.0	-1.2	-1.7	-2.1	-2.6	1.0
AF041037	A	novel antagonist of FGF signaling (sprouty-1)	38767_at	7275	development	1.6	-1.3	1.7	3.3	4.2	2.6	1.2
AF059611	A	nuclear matrix protein NRP/B (NRPB)	39542_at	7275	development	-1.5	1.4	1.7	2.9	2.9	1.9	2.2
AC004079		PAC clone DJ0167F23 from 7p15	33577_at	7275	development	1.3	1.4	1.3	1.1	1.2	-2.7	-1.3
U43318		putative transmembrane receptor (frizzled 5)	34997_r_at	7275	development	-1.9	-1.8	1.5	-2.6	-1.2	1.4	1.2
U26914		ras-responsive element binding protein (RREB-1)	1714_at	7275	development	1.1	-1.1	3.6	1.2	-1.3	-1.7	1.0
AB006532	A	RecQ4 DNA helicase	39851_at	7275	development	-1.1	1.0	-1.8	-1.2	-1.2	1.3	2.9
AF039843	A	Sprouty 2 (SPRY2)	33700_at	7275	development	-1.3	-1.3	3.1	4.5	3.0	6.0	8.3
M26682		T-cell translocation gene 1 (Tlg-1)	35103_l_at	7275	development	1.0	1.2	1.3	1.2	-1.1	-2.7	-1.3
M26682		T-cell translocation gene 1 (Tlg-1)	35104_r_at	7275	development	1.0	1.8	-2.2	-1.3	-2.5	-1.8	-1.6
Z71621		Wnt-13	33684_at	7275	development	1.2	1.0	2.7	1.2	-1.9	4.2	1.2
AA868898		ak55b08.s1 cDNA	41621_i_at	7275	development	1.0	1.2	1.1	1.6	-1.3	-2.6	-1.3
AA868898		ak55b08.s1 cDNA	41622_r_at	7275	development	-1.2	1.0	3.3	-1.6	-2.5	-3.4	-1.2
AL021154	B	dJ150O5.2 Inhibitor of DNA binding 3	37043_at	7275	development	-1.2	-1.1	1.0	-1.4	-2.1	-2.3	-4.4
AI765533	A	wi81c01.x1 cDNA	34335_at	7275	development	-1.3	1.3	1.1	1.9	2.2	2.8	3.2
AW026535		wv14f10.x1 cDNA	33830_at	7275	development	-2.7	1.2	-1.3	2.4	1.2	-1.3	-1.8
AF016582		checkpoint kinase Chk1 (CHK1)	38920_at	7276	gametogenesis	-1.3	-1.4	6.2	22.1	1.2	2.0	11.9
U19599		(BAX delta)	1997_s_at	7281	germ-cell development	2.9	1.6	2.7	1.2	-1.7	-2.9	-1.1
L22475		Bax gamma	2067_f_at	7281	germ-cell development	1.8	1.4	8.4	-1.1	-1.4	-4.5	-1.7
L22473		Bax alpha	2065_s_at	7281	germ-cell development	2.6	1.7	2.1	1.4	-1.1	-4.6	-1.4
AB011088		KIAA0516	39419_at	7283	spermatogenesis	1.1	1.0	-1.5	2.8	1.4	1.4	1.0
X07948		transition protein 1 (TP1)	39639_s_at	7283	spermatogenesis	-4.7	1.1	10.2	-1.3	-1.3	-3.1	-1.1
U66898	A	cyclin A1	1914_at	7283	spermatogenesis	1.6	-1.1	2.0	2.7	3.4	3.4	11.1
Z22780		cyclin	365_at	7283	spermatogenesis	-1.2	3.9	1.1	1.4	-1.9	1.1	1.3
X63187	B	HE4 extracellular proteinase inhibitor homologue	33933_at	7283	spermatogenesis	1.6	-1.1	-1.2	-1.7	-2.3	-3.2	-2.3
M97856	A	histone-binding protein	33255_at	7283	spermatogenesis	1.1	-1.5	1.2	2.2	2.2	3.6	2.6
L26336	B	heat shock protein HSPA2	36925_at	7286	spermatid development	-1.5	1.2	-1.4	-1.3	-1.2	-2.2	-3.4

GenBank			Affymetrix				Fold Change						
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24	
Y15908		dia-12c protein	34263_s_at	7292	female gamete generation	1.2	-1.3	-1.7	2.6	-1.1	1.6	1.1	
M25915	B	complement cytolytic inhibitor (CLI)	36780_at	7338	fertilization (sensu Animalia)	1.0	-1.1	1.0	-1.8	-1.7	-2.1	-2.7	
S58544	A	75 kDa infertility-related sperm protein	36744_at	7338	fertilization (sensu Animalia)	-1.7	-1.5	-1.5	1.9	2.0	1.7	2.6	
D86963		KIAA0208	40873_at	7345	embryogenesis and morphogenesis	1.2	-1.4	1.4	-3.0	1.5	1.2	1.4	
AJ007042	A	TRX5 protein	38988_at	7345	embryogenesis and morphogenesis	1.0	1.2	-1.5	1.5	2.0	3.6	4.2	
U50410		heparan sulphate proteoglycan (OC15)	39350_at	7345	embryogenesis and morphogenesis	1.4	1.1	-1.1	1.3	-1.5	-3.2	1.9	
X58072	B	HGATA3 trans-acting T-cell specific transcription factor	40511_at	7345	embryogenesis and morphogenesis	1.0	-1.4	-2.2	-1.5	-2.4	-4.5	-4.4	
M26326	A	keratin 18	35766_at	7345	embryogenesis and morphogenesis	1.6	-1.1	-1.4	-1.1	1.7	2.1	2.9	
U73313		myogenic repressor 1 (MDF1)	38176_at	7345	embryogenesis and morphogenesis	1.0	1.3	2.8	4.1	1.4	2.0	1.6	
U97699	B	Notch3 (NOTCH3)	38750_at	7345	embryogenesis and morphogenesis	1.1	-1.4	-2.2	-3.1	-1.5	-2.2	-3.4	
Z71621		Wnt-13	33884_at	7345	embryogenesis and morphogenesis	1.2	1.0	2.7	1.2	-1.9	4.2	1.2	
S81914	A	radiation-inducible immediate-early gene	1237_at	7345	embryogenesis and morphogenesis	1.0	1.2	3.5	3.1	3.7	4.7	8.5	
X17033	A	integrin alpha-2 subunit	1978_at	7397	histogenesis and organogenesis	1.4	-1.4	2.1	3.4	4.4	5.0	7.1	
L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	7397	histogenesis and organogenesis	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6	
M95712		B-raf	1654_at	7397	histogenesis and organogenesis	-1.2	1.2	-2.9	-2.0	-1.5	1.3	-1.2	
U81262	A	LERK5 (LERK5)	34334_at	7397	histogenesis and organogenesis	1.2	-1.3	1.0	2.1	2.9	1.6	3.5	
AF039843	A	Sprouty 2 (SPRY2)	33700_at	7397	histogenesis and organogenesis	1.3	1.3	3.1	4.5	3.0	6.0	8.3	
AI765533	A	wi1c01.x1 cDNA	34335_at	7397	histogenesis and organogenesis	-1.3	1.3	1.1	1.9	2.2	2.8	3.2	
X14787		thrombospondin	115_at	7399	neurogenesis	1.0	-1.7	-1.3	1.1	1.1	1.0	2.5	
AB006713		dihydropyrimidinase related protein 4	39503_s_at	7399	neurogenesis	1.1	-1.1	-1.5	2.1	1.4	-3.1	1.1	
D86963		KIAA0208	40873_at	7399	neurogenesis	1.2	-1.4	1.4	-3.0	1.5	1.2	1.4	
D87467		KIAA0277	38062_at	7399	neurogenesis	-1.8	1.3	-1.3	1.5	1.6	3.0	1.2	
AB011141		KIAA0569	35681_r_at	7399	neurogenesis	1.2	-2.8	1.0	1.5	-1.5	-1.3	-1.3	
D82344		NBPhox	35020_at	7399	neurogenesis	-2.2	1.1	2.3	12.0	-1.5	-2.7	1.7	
D16532	A	very low density lipoprotein receptor	36873_at	7399	neurogenesis	-2.3	-1.1	-1.8	1.2	-1.1	5.5	24.2	
L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	7399	neurogenesis	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6	
U91512		adhesion molecule ninjurin	41475_at	7399	neurogenesis	-1.1	-1.1	-5.8	-7.0	-1.6	-1.3	3.1	
X01703	B	gene alpha-tubulin (b alpha 1)	40567_at	7399	neurogenesis	-1.5	-1.3	-1.8	-1.7	-1.3	-2.6	-2.6	
U81262	A	LERK5 (LERK5)	34334_at	7399	neurogenesis	1.2	-1.3	1.0	2.1	2.9	1.6	3.5	
AF039704	B	lysosomal pepstatin insensitive protease (CLN2)	32824_at	7399	neurogenesis	1.2	-1.4	-2.7	-3.4	-2.3	-3.0	-1.4	
U97105		N2A3	40607_at	7399	neurogenesis	1.1	1.2	-1.7	1.3	2.2	2.9	1.7	
AF059611	A	nuclear matrix protein NRP/B (NRPB)	39542_at	7399	neurogenesis	-1.5	1.4	1.7	2.9	2.9	1.9	2.2	
AF023462		peroxisomal phytanoyl-CoA alpha-hydroxylase (PAHX)	32724_at	7399	neurogenesis	-2.2	1.3	1.1	1.3	1.0	1.2	-2.5	
AF040990		roundabout 1 (robo1)	32944_at	7399	neurogenesis	-2.8	-1.1	-3.6	1.4	-1.2	-1.2	1.3	
AI765533	A	wi1c01.x1 cDNA	34335_at	7399	neurogenesis	-1.3	1.3	1.1	1.9	2.2	2.8	3.2	
X01703	B	gene alpha-tubulin (b alpha 1)	40567_at	7404	glia cell differentiation	-1.5	-1.3	-1.8	-1.7	-1.3	-2.6	-2.6	
AB002367		KIAA0369	38957_at	7417	central nervous system development	-1.5	1.1	-1.7	2.0	-1.2	-4.1	-3.0	
U61849		neuronal pentraxin 1 (NPTX1)	37921_at	7417	central nervous system development	-1.8	1.4	1.5	8.8	1.1	-1.6	-6.8	
M93426	A	protein tyrosine phosphatase zeta-polypeptide	1364_at	7417	central nervous system development	-1.3	1.5	-1.2	2.1	3.1	3.6	3.3	
AI743090	A	wg87a11.x1 cDNA	39549_at	7417	central nervous system development	1.0	1.1	1.1	2.1	2.4	2.9	1.8	
U03688	B	dioxin-inducible cytochrome P450 (CYP1B1)	859_at	7456	eye morphogenesis (sensu Drosophila)	-1.5	1.1	-2.1	-1.2	-1.5	-2.5	-4.3	
U03688	B	dioxin-inducible cytochrome P450 (CYP1B1)	40671_at	7456	eye morphogenesis (sensu Drosophila)	3.1	1.0	-2.5	1.0	-1.8	-1.9	-2.2	
U69186	A	cDNA (clone)198754	38288_at	7459	ectoderm/mesoderm interaction	-1.4	1.7	1.0	2.1	1.3	1.7	3.5	
AF059202		ACA1 related gene product 1	34255_at	7503	fat body development	1.8	-2.8	-10.3	-2.1	-1.7	-2.7	1.0	
D86963		KIAA0208	40873_at	7507	heart development	1.2	-1.4	1.4	-3.0	1.5	1.2	1.4	
U43142		vascular endothelial growth factor related protein	159_at	7515	lymph gland development	2.7	-2.3	-2.0	1.3	1.5	1.2	3.3	
AF068180	B	B cell linker protein BLNK, alternatively spliced,	38242_at	7516	hemocyte development	-1.2	2.3	1.3	-1.1	-2.5	-2.2	-5.9	
X13988		embryonic myosin heavy chain	32729_at	7517	muscle development	-1.4	-1.4	-5.1	6.8	1.8	2.9	1.8	
Y13492		smoothelin-B	31830_s_at	7517	muscle development	1.3	-2.0	-1.2	-1.2	1.0	1.1	4.7	
M60278	A	heparin-binding EGF-like growth factor	38037_at	7517	muscle development	1.3	1.5	2.7	1.8	2.3	2.8	33.8	
X63741	A	pilot	40375_at	7517	muscle development	1.2	-1.2	-1.2	4.1	32.3	1.0	1.5	
Y10313	A	IFRD1 (PC4)	37679_at	7518	myoblast cell fate determination	1.2	1.0	-1.9	1.4	1.8	1.6	4.2	
AC005192	A	BAC clone RG163K11 from 7q31	32901_s_at	7518	myoblast cell fate determination	-1.3	-1.1	-1.3	1.4	1.6	1.2	6.3	
X57527	A	COL8A1 alpha 1(VIII) collagen	37459_at	7525	somatic muscle development	-1.8	-1.1	1.0	2.0	1.9	3.1	5.0	
AL049381	B	DKFz586J2118	33355_at	7548	sex differentiation	1.3	-1.1	1.4	-2.3	1.0	-1.7	-3.2	
D14874		adrenomedullin precursor	34777_at	7565	pregnancy	-1.5	1.1	-2.7	-1.4	-1.2	-1.3	-2.2	
M34455		interferon-gamma-inducible indoleamine 2,3-dioxygenase (IDO)	36804_at	7565	pregnancy	-1.5	1.0	1.1	1.5	1.5	-1.5	2.5	
M24351	A	parathyroid hormone-like protein	615_s_at	7565	pregnancy	-1.5	-2.0	-1.2	2.6	3.9	2.8	6.1	
U25988		pregnancy-specific glycoprotein 13 (PSG13)	33759_f_at	7565	pregnancy	-1.1	-1.6	3.2	1.0	1.0	-7.8	1.5	
J03802	A	renal carcinoma parathyroid hormone-like peptide	37989_at	7565	pregnancy	1.1	1.6	-1.9	1.4	9.1	1.1	12.8	
L76937	A	Werner syndrome gene	38136_at	7568	aging	1.4	1.2	1.6	2.2	3.1	-1.1	1.2	
U09284		PINCH protein	39232_at	7569	cell aging	-1.4	2.2	1.5	2.5	1.4	1.0	1.4	
U25997		stanniocalcin precursor (STC)	41354_at	7584	response to nutrients	-4.2	-2.5	-2.1	-1.2	2.7	2.5	2.1	
AF098462	A	stanniocalcin-related protein	32043_at	7584	response to nutrients	-1.2	1.0	1.3	2.2	2.0	1.5	9.9	
X71345	A	trypsinogen IV b-m	40043_at	7586	digestion	-1.6	1.8	-1.1	1.2	2.0	1.9	4.6	
AF038007		FIC1	33634_at	7586	digestion	1.7	1.1	1.7	1.3	1.1	-2.8	-2.0	
U66061		trypsinogen C	32796_f_at	7586	digestion	-3.7	-1.2	1.3	-2.6	1.7	1.8	4.0	
X68487	A	A2b adenosine receptor	36324_at	7588	excretion	1.7	-1.2	1.4	2.8	1.9	1.9	2.0	
D14874		adrenomedullin precursor	34777_at	7588	excretion	-1.5	1.1	-2.7	-1.4	-1.2	-1.3	-2.2	
X87159	B	beta subunit of epithelial amiloride-sensitive sodium channel	39682_at	7588	excretion	1.0	1.1	-1.2	-1.1	-1.1	-2.6	-1.4	
AB020634		KIAA0827	40713_at	7588	excretion	1.5	6.0	11.7	1.9	1.6	6.1	-2.4	
AB001325	B	AQP3 gene aquaporin 3 (water channel)	39249_at	7588	excretion	1.2	1.0	1.1	-1.9	-1.8	-2.8	-1.8	
M25809		endomembrane proton pump subunit	32959_at	7588	excretion	-1.4	1.1	1.9	-1.3	-1.3	-2.6	-2.3	
M24351	A	parathyroid hormone-like protein	615_s_at	7588	excretion	-1.5	-2.0	-1.2	2.6	3.9	2.8	6.1	
J03802	A	renal carcinoma parathyroid hormone-like peptide	37989_at	7588	excretion	1.1	1.6	-1.9	1.4	9.1	1.1	12.8	
M24351	A	parathyroid hormone-like protein	615_s_at	7595	lactation	-1.5	-2.0	-1.2	2.6	3.9	2.8	6.1	
J03802	A	renal carcinoma parathyroid hormone-like peptide	37989_at	7595	lactation	1.1	1.6	-1.9	1.4	9.1	1.1	12.8	
X14787		thrombospondin	115_at	7596	blood coagulation	1.0	-1.7	-1.3	1.1	1.1	1.0	2.5	
X17033	A	integrin alpha-2 subunit	1978_at	7596	blood coagulation	1.4	-1.4	2.1	3.4	4.4	5.0	7.1	

GenBank	Group	Affymetric	GO id	GO Biological Process	Fold Change							
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
L42243		CDP-118) alternatively splice (clone 51H8) alternatively splice	1569_r_at	7596	blood coagulation	1.2	-1.3	-5.5	-1.3	-1.3	1.3	1.7
K02566		alpha-2-thiol proteinase inhibitor	37234_at	7596	blood coagulation	1.2	1.4	6.9	1.8	1.1	-2.8	-1.9
M14083	A	beta-migrating plasminogen activator inhibitor I	38125_at	7596	blood coagulation	1.5	1.0	1.5	1.5	1.8	1.2	3.0
J02931	A	placental tissue factor (two ms)	36543_at	7596	blood coagulation	1.0	-1.1	2.4	5.7	8.2	11.3	8.2
U67058	A	proteinase activated receptor-2	38247_at	7596	blood coagulation	1.0	1.3	1.0	1.3	1.0	1.0	2.5
AJ007590		XRP2 protein	39964_at	7601	vision	1.2	1.9	-1.1	2.8	1.7	1.0	1.3
U03688	B	dioxin-inducible cytochrome P450 (CYP1B1)	859_at	7601	vision	-1.5	1.1	-2.1	-1.2	-1.5	-2.5	-4.3
U65887		CDP-diacylglycerol synthase	40217_s_at	7601	vision	1.1	1.3	-2.7	1.4	1.1	-1.3	1.0
U03689	B	dioxin-inducible cytochrome P450 (CYP1B1)	36071_at	7601	vision	3.1	1.0	-2.5	1.0	-1.8	-1.9	-2.2
AF023482		peroxisomal phytanoyl-CoA alpha-hydroxylase (PAHX)	32724_at	7601	vision	-2.2	1.3	1.1	1.3	1.0	1.2	-2.5
U57629	A	retinitis pigmentosa GTPase regulator (RPGR)	38164_at	7601	vision	1.2	-2.1	1.6	2.5	1.5	1.9	3.0
Z18859	B	cone transducin alpha subunit	34571_at	7601	vision	1.6	1.4	-1.5	-1.3	-1.2	-2.6	1.0
AL038340	B	DKFZp566K192	32243_g_at	7601	vision	-1.2	-1.1	-1.7	-1.9	-2.3	-3.8	-4.9
AL038340	B	DKFZp566K192_s1	32242_at	7601	vision	-1.1	-1.1	-1.5	-1.9	-3.0	-4.3	-4.4
Z18859	B	cone transducin alpha subunit	34571_at	7602	phototransduction	1.6	1.4	-1.5	-1.3	-1.2	-2.6	1.0
L20046		ERCC5 excision repair protein	2063_at	7605	hearing	-1.6	1.4	-3.9	1.3	-1.2	1.5	-1.5
AF099730		connexin 31 (GJB3) gene	41076_at	7605	hearing	-1.1	-6.8	1.9	1.1	2.1	4.7	3.6
M25809		endomembrane proton pump subunit	32959_at	7605	hearing	-1.4	1.1	1.9	-1.3	-1.3	-2.6	-3.2
D89928		HKL1	37106_at	7605	hearing	1.1	-1.1	-1.9	2.6	-1.2	-1.6	-1.7
AF023462		peroxisomal phytanoyl-CoA alpha-hydroxylase (PAHX)	32724_at	7605	hearing	-2.2	1.3	1.1	1.3	1.0	1.2	-2.5
U72936		putative DNA dependent ATPase and helicase (ATRX)	39146_at	7605	hearing	1.2	7.7	1.2	1.9	4.2	1.9	-1.7
AL031228		dj1033B10.10 (membrane protein with histidine rich charge cluster)	41652_at	7605	hearing	2.4	2.9	2.2	2.3	1.4	1.1	-1.3
M68840	B	monoamine oxidase A (MAOA)	41772_at	7610	behavior	-1.3	1.4	-1.3	-1.1	-1.4	-2.0	-5.1
AA420624	B	nc61c12.r1 cDNA	41770_at	7610	behavior	1.0	1.3	-1.6	-1.3	-2.4	-5.6	-4.4
AA420624	B	nc61c12.r1 cDNA	41771_g_at	7610	behavior	-1.1	1.2	-1.4	-1.2	-1.8	-2.5	-4.5
AF030555	A	acyl-CoA synthetase 4 (ACS4)	38099_r_at	7611	learning and/or memory	1.0	1.1	-1.2	1.5	1.2	2.7	2.7
D18532	A	very low density lipoprotein receptor	36873_at	7613	memory	-2.3	-1.1	-1.8	1.2	-1.1	5.5	24.2
L10343		Human elafin gene	41469_at	7620	copulation	-1.3	1.4	1.0	-1.5	1.3	1.1	2.5
U48213	B	D-site binding protein gene	40274_at	7622	rhythmic behavior	1.1	1.6	-1.5	-1.2	-2.3	-1.5	-3.1
AB002345	A	KIAA0347	35008_at	7623	circadian rhythm	-1.2	1.0	2.1	1.5	5.5	1.3	1.6
X63741	A	pilot	40375_at	7623	circadian rhythm	1.2	-1.2	-1.2	4.1	32.3	1.0	1.5
D14874		adrenomedullin precursor	34777_at	8015	circulation	-1.5	1.1	-2.7	-1.4	-1.2	-1.3	-2.2
M15856		lipoprotein lipase	41209_at	8015	circulation	-1.4	1.0	-3.5	-2.0	1.5	-1.5	1.0
M19267	B	tropomyosin	36790_at	8016	regulation of heart rate	1.2	-1.2	-1.4	1.0	-1.6	-2.6	-3.0
M19267	B	tropomyosin	36791_g_at	8016	regulation of heart rate	1.2	-1.2	-1.2	1.3	-1.3	-1.2	-3.2
Z24727	B	tropomyosin isoform	36792_at	8016	regulation of heart rate	1.1	1.1	1.5	-1.2	-1.3	-1.6	-4.6
D32050		alanyl-tRNA synthetase	36185_at	8033	tRNA processing	1.1	-1.2	-1.2	1.0	-1.1	1.0	2.7
X15998	A	the chondroitin sulphate proteoglycan versican, V1	38111_at	8037	cell recognition	1.4	-1.4	-1.2	1.5	1.0	4.2	3.5
X15998	A	the chondroitin sulphate proteoglycan versican, V1	38112_g_at	8037	cell recognition	1.2	-1.1	-1.4	1.4	2.6	5.3	2.9
U65416		MHC class I molecule (MICB) gene	35937_at	8037	cell recognition	1.2	1.6	-3.4	1.1	3.2	3.5	1.1
AB023203	A	KIAA0986	40000_r_at	8104	protein localization	1.0	-1.9	-1.2	2.8	2.5	2.1	1.4
X78947	A	connective tissue growth factor	36838_at	8151	cell growth and/or maintenance	-1.4	1.1	-1.1	3.0	4.2	2.7	4.4
X92516	A	HMGIC	35200_at	8151	cell growth and/or maintenance	-1.1	1.2	2.4	2.6	2.8	3.3	3.0
D63881	A	KIAA0160	40957_at	8151	cell growth and/or maintenance	1.3	1.1	-1.2	2.3	1.7	2.6	2.7
Z49194		oct-binding factor	36239_at	8151	cell growth and/or maintenance	-3.5	-7.6	-1.2	1.1	-4.8	-1.3	-1.4
V01512	A	cellular oncogene c-fos	1916_s_at	8151	cell growth and/or maintenance	-1.3	1.8	2.9	4.7	7.1	6.4	5.1
M15990	A	c-yes-1	1674_at	8151	cell growth and/or maintenance	-1.8	1.1	-1.3	2.2	1.7	2.5	1.5
M16750	A	pim-1 oncogene	1779_s_at	8151	cell growth and/or maintenance	-1.2	-1.3	2.3	1.8	2.4	1.9	3.8
M22489		bone morphogenetic protein 2A (BMP-2A)	1113_at	8151	cell growth and/or maintenance	-1.4	-2.1	-1.1	-1.2	1.3	-1.5	3.1
M22489		bone morphogenetic protein 2A (BMP-2A)	40367_at	8151	cell growth and/or maintenance	-1.2	-1.9	1.0	1.1	1.1	-1.5	2.5
M95712		B-raf	1654_at	8151	cell growth and/or maintenance	-1.2	1.2	-2.9	-2.0	-1.5	1.3	-2.3
U07806	A	camptothecin resistant clone CEM/C2 DNA topoisomerase	1030_s_at	8151	cell growth and/or maintenance	1.0	-1.1	1.6	2.7	1.7	1.8	2.2
V01512	A	cellular oncogene c-fos	1915_s_at	8151	cell growth and/or maintenance	1.1	1.6	1.9	2.5	3.0	2.2	3.5
AF017257	B	chromosome 21 derived BAC	38739_at	8151	cell growth and/or maintenance	-1.1	-1.1	-2.6	-2.1	-2.4	-2.5	-2.8
AF070641	A	clone 24421 sequence	37156_at	8151	cell growth and/or maintenance	4.7	-1.5	3.3	2.5	7.1	3.4	93.3
X64229	A	dek	38992_at	8151	cell growth and/or maintenance	1.0	1.1	1.3	1.8	2.0	2.6	3.1
AL049381	B	DKFZp586J2118	33355_at	8151	cell growth and/or maintenance	1.3	-1.1	1.4	-2.3	1.0	-1.7	-3.2
U07804	A	DNA topoisomerase I	1710_s_at	8151	cell growth and/or maintenance	1.3	-1.2	1.7	2.6	1.7	1.2	2.6
M06030	A	EV12B3F gene	40019_at	8151	cell growth and/or maintenance	7.0	-1.2	-1.7	5.7	4.0	8.1	104.7
M23379	A	GTPase-activating protein ras p21 (RASA)	1675_at	8151	cell growth and/or maintenance	-1.3	1.5	1.7	3.5	3.2	3.7	5.6
M23379	A	GTPase-activating protein ras p21 (RASA)	36935_at	8151	cell growth and/or maintenance	-1.2	1.2	-1.5	2.3	2.4	2.5	3.6
U50410		heparan sulphate proteoglycan (OC15)	39350_at	8151	cell growth and/or maintenance	1.4	1.1	-1.1	1.3	-1.5	-3.2	1.9
M95585		hepatic leukemia factor (HLF)	38627_at	8151	cell growth and/or maintenance	-2.0	1.9	-6.5	3.2	-1.1	-3.6	1.3
AF064606		KB07 protein	36437_s_at	8151	cell growth and/or maintenance	1.7	1.4	1.2	2.5	1.2	-1.2	2.7
AF040963	B	Mad4 homolog (Mad4)	38639_at	8151	cell growth and/or maintenance	-1.2	-1.2	1.3	-2.2	-2.1	-2.3	-4.6
U88965		PO42 gene	31392_r_at	8151	cell growth and/or maintenance	1.0	-1.6	-2.3	2.0	-1.8	1.7	-2.6
AF068227	B	putative transmembrane protein (CLN5)	34324_at	8151	cell growth and/or maintenance	1.7	-1.1	-1.2	-1.6	-1.3	-2.3	-2.5
AF055376	B	short m transcription factor C-MAF (c-maf)	41505_r_at	8151	cell growth and/or maintenance	-1.4	1.8	-4.0	-2.1	-2.3	-6.2	-17.5
AF055376	B	short m transcription factor C-MAF (c-maf)	41504_s_at	8151	cell growth and/or maintenance	-1.6	2.7	-7.1	-3.3	-2.4	-5.8	-6.7
M31682	B	testicular inhibin beta-B-subunit	38545_at	8151	cell growth and/or maintenance	-1.3	-1.1	-1.2	-1.2	-1.6	-2.0	-3.7
X75621	B	TSC2 tuberin	38813_at	8151	cell growth and/or maintenance	1.4	-1.7	-1.5	-2.4	-1.9	-3.0	-2.5
AF014402	B	type-2 phosphatidic acid phosphatase alpha-1 (PAP2-a1)	34797_at	8151	cell growth and/or maintenance	1.0	1.0	-3.2	-2.6	-3.5	-3.7	-4.5
U16954	B	AF1q	36941_at	8151	cell growth and/or maintenance	1.0	1.4	1.0	-1.2	-2.1	1.2	-4.4
AL022238	B	dj1042K10.3 (novel protein)	35563_at	8151	cell growth and/or maintenance	1.0	1.2	1.0	-6.2	-2.0	-3.2	-2.1
S81914	A	radiation-inducible immediate-early gene	123_at	8151	cell growth and/or maintenance	1.0	1.2	3.5	3.1	3.7	4.7	8.5
S62138		TL5/CHOIP-hybrid gene	39420_at	8151	cell growth and/or maintenance	-1.1	1.1	-1.7	-1.3	-1.5	-1.2	12.7
X51405		carboxypeptidase E (EC 3.4.17.10)	36606_at	8152	metabolism	1.2	1.2	-2.6	1.8	-1.2	-2.6	-1.9
D8960	A	KIAA0205	34387_at	8152	metabolism	1.2	1.3	-1.5	1.8	1.9	1.8	2.9
AB011542	B	MEGF9	36488_at	8152	metabolism	-1.3	1.1	-1.8	-1.2	-1.5	-2.0	-3.1

GenBank	Accession #	Group	Affymetric Gene Annotation	Affymatrix Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
U38545			ARF-activated phosphatidylcholine-specific phos	177_at	8152	metabolism	-1.1	-1.4	1.3	-1.6	-3.5	-2.4	-2.0
U26726	B		11-beta-hydroxysteroid dehydrogenase type 2	39697_at	8152	metabolism	-1.2	1.0	-1.7	-2.3	-3.4	-11.3	-7.1
M27396			asparagine synthetase	36671_at	8152	metabolism	1.9	-1.1	-1.5	-1.1	-1.2	-1.2	8.4
AF070606	A		clone 24411 sequence	34188_at	8152	metabolism	1.9	-1.1	-1.7	2.5	2.0	1.6	3.2
AF052143	A		clone 24466 sequence	39575_at	8152	metabolism	-1.4	1.5	1.3	2.6	2.6	5.0	3.4
U11863	B		clone HP-DAO2 diamine oxidase	37186_s_at	8152	metabolism	-1.7	1.0	-1.7	-1.9	-1.7	-3.3	-3.2
AL096716			DKFZp564M1462	32022_at	8152	metabolism	5.7	1.4	5.6	2.8	-7.2	-2.7	-1.2
AB003151	B		DNA, chromosome 21q22.2, PAC clone 25P16	38172_at	8152	metabolism	-1.1	-1.3	-1.1	1.0	-2.1	-2.0	-2.8
U02923			glutamine PRPP amidotransferase (GPAT)	34341_at	8152	metabolism	1.7	-1.2	2.7	2.6	-1.1	1.8	1.8
AF025887	B		glutathione S-transferase A4-4 (GSTA4)	40509_at	8152	metabolism	-1.1	-1.2	-1.5	-1.3	-2.2	-3.4	-4.2
AB011004	A	luUAP1	mRNA for UDP-N-acetylglucosamine pyrophosphoryla	41242_at	8152	metabolism	-1.1	-1.2	1.3	2.3	2.3	2.7	2.1
J04027	A		plasma membrane Ca2+ pumping ATPase	37661_at	8152	metabolism	-1.1	1.4	1.0	4.3	4.1	2.9	2.7
Z24724	A		polyA site DNA	34857_at	8152	metabolism	-1.5	-1.2	-1.3	3.3	2.3	3.7	4.2
X64810	B		Homo Sapiens encoding PC1/PC3	40849_at	8152	metabolism	1.4	1.0	-1.6	-1.9	-2.0	-2.5	-3.2
X64229	A		dek	38992_at	8166	viral replication	1.0	1.1	1.3	1.8	2.0	2.6	3.1
X78283	B		aryl sulfotransferase (ST1A3)	31804_f_at	8202	steroid metabolism	1.4	-1.7	1.5	-1.5	-1.8	-1.7	-2.7
J04813	B		cytochrome P450 PCN3	37125_f_at	8202	steroid metabolism	1.3	-1.1	-1.6	-1.2	-2.6	-2.7	-27.5
J04813	B		cytochrome P450 PCN3 gene	37124_i_at	8202	steroid metabolism	1.9	1.0	-1.8	-1.4	-1.5	-4.3	-2.9
K02566			alpha-2-thiol proteinase inhibitor	37234_at	8217	regulation of blood pressure	1.2	1.4	6.9	1.8	1.1	-2.8	-1.9
M25915	B		complement cytolytic inhibitor (CLI)	36780_at	8219	cell death	1.0	-1.1	1.0	-1.8	-1.7	-2.1	-2.7
AJ001014	B		RAMP1	35668_at	8277	regulation of G-protein coupled receptor protein signaling pathway	1.4	-2.0	-1.2	-2.2	-2.0	-2.9	-2.2
X12830			interleukin-6 (IL-6) receptor	160032_at	8283	cell proliferation	-1.2	-1.5	-2.6	-1.2	1.0	-1.2	1.2
X58377	A		adipogenesis inhibitory factor	35464_at	8283	cell proliferation	1.0	-10.1	1.0	1.7	4.8	2.0	12.8
K03663			c-fms proto-oncogene	160022_at	8283	cell proliferation	-1.5	-2.1	-1.3	-1.5	-2.0	-10.7	-1.2
V00568			encoding the c-myc oncogene	1973_s_at	8283	cell proliferation	1.0	1.0	4.4	4.9	1.5	1.3	4.5
D30793	A		epiregulin	34476_r_at	8283	cell proliferation	-1.8	2.1	5.3	13.1	11.1	3.2	18.5
AB024704	A		flt353	39109_at	8283	cell proliferation	1.1	1.3	-1.1	1.1	2.5	4.5	6.4
D17793	B		KIAA0119	37399_at	8283	cell proliferation	1.1	1.4	1.2	-1.3	-1.2	-1.2	-3.1
AJ001612			L-3-phosphoserine-phosphatase homologue	37208_at	8283	cell proliferation	1.4	1.1	-1.3	-1.2	-3.1	-2.2	2.3
X70340	A		transforming growth factor alpha	160025_at	8283	cell proliferation	-1.4	-1.4	1.6	3.9	3.7	4.5	8.5
M15796			cyclin protein gene	1884_s_at	8283	cell proliferation	1.3	1.0	-1.4	1.0	1.7	3.2	1.7
U12535	A		epidermal growth factor receptor kinase substrate	1467_at	8283	cell proliferation	-1.3	-1.3	1.1	2.1	1.9	3.0	4.3
M60828			keratinocyte growth factor , complete cds	1380_at	8283	cell proliferation	1.2	-14.5	6.4	-1.4	-1.5	-7.3	-1.9
Z35278			PEBP2aC1 acute myeloid leukaemia	106_at	8283	cell proliferation	-1.6	-1.2	-2.9	1.4	1.5	1.9	1.1
J05614			proliferating cell nuclear antigen (PCNA)	1824_s_at	8283	cell proliferation	1.4	1.1	1.1	1.2	2.0	3.0	1.2
M38449	B		transforming growth factor-beta , complete	1830_s_at	8283	cell proliferation	1.2	-1.6	1.2	-1.9	-1.5	-2.8	-1.1
M19154			transmng growth factor-beta-2	1262_s_at	8283	cell proliferation	-1.8	1.0	-1.4	1.4	-1.1	1.2	2.7
AF024710	A		vascular endothelial growth factor (VE	1953_at	8283	cell proliferation	1.4	-1.3	1.0	1.8	1.4	1.1	5.8
U43142	A		vascular endothelial growth factor related protein	159_at	8283	cell proliferation	2.7	-2.3	-2.0	1.3	1.5	1.2	3.3
M30704	A		amphiregulin (AR)	34898_at	8283	cell proliferation	1.0	-1.3	2.3	1.5	2.3	3.9	11.0
X61123	B		BTG1	37294_at	8283	cell proliferation	-1.1	-1.1	-1.9	-1.8	-2.2	-2.8	-1.9
U99151	A		Cbfp5 homolog (CBF5)	34483_at	8283	cell proliferation	1.1	1.0	1.3	2.5	2.7	1.7	1.5
AF055008	B		clone 24720 epithelin 1 and 2	41198_at	8283	cell proliferation	1.4	-1.2	-1.3	-2.5	-2.0	-3.1	-2.1
V00568	A		c-myc oncogene	37724_at	8283	cell proliferation	-1.2	1.2	2.5	2.1	1.6	1.9	3.6
X72841			IEF 7442	41515_at	8283	cell proliferation	-7.0	2.2	1.3	2.9	1.1	-1.4	3.4
AF031167			interleukin 15 precursor (IL-15)	38488_s_at	8283	cell proliferation	-2.9	-1.6	-1.5	-3.8	-5.8	-7.0	1.3
U63743	A		mitotic centromere-associated kinesin	36837_at	8283	cell proliferation	1.6	1.4	-9.6	-5.2	7.6	4.9	10.9
M24351	A		parathyroid hormone-like protein	615_s_at	8283	cell proliferation	-1.5	-2.0	-1.2	2.6	3.9	2.8	6.1
J03802	A		renal carcinoma parathgrad hormone-like peptide	37989_at	8283	cell proliferation	1.1	1.6	-1.9	1.4	9.1	1.1	12.8
M74558	A		SIL	32767_at	8283	cell proliferation	1.4	1.3	1.9	1.4	4.9	3.9	3.9
M26682			T-cell translocation gene 1 (Tlg-1)	35103_i_at	8283	cell proliferation	1.0	1.2	1.3	1.2	-1.1	-2.7	-1.3
M26682			T-cell translocation gene 1 (Tlg-1)	35104_r_at	8283	cell proliferation	1.0	1.8	-2.2	-1.3	-2.5	-1.8	-1.6
AF022375	A		vascular endothelial growth factor	36100_at	8283	cell proliferation	1.0	-1.1	1.4	1.8	1.4	1.9	4.9
M63978	A		vascular endothelial growth factor gene	36101_s_at	8283	cell proliferation	2.5	-1.9	2.8	2.0	2.2	1.2	18.5
X58377	A		adipogenesis inhibitory factor	35464_at	8284	positive regulation of cell proliferation	1.0	-10.1	1.0	1.7	4.8	2.0	12.8
M60828			keratinocyte growth factor , complete cds	1380_at	8284	positive regulation of cell proliferation	1.2	-14.5	6.4	-1.4	-1.5	-7.3	-1.9
M86699	A		kinase (TTK) , complete cds	572_at	8284	positive regulation of cell proliferation	1.7	1.2	-1.5	2.5	6.0	7.2	11.3
AF024710	A		vascular endothelial growth factor (VE	1953_at	8284	positive regulation of cell proliferation	1.4	-1.3	1.0	1.8	1.4	1.1	5.8
U43142	A		vascular endothelial growth factor related protein	159_at	8284	positive regulation of cell proliferation	2.7	-2.3	-2.0	1.3	1.5	1.2	3.3
S78187	A		CDC25Hu2cdc25a homolog	1347_at	8284	positive regulation of cell proliferation	1.3	1.0	1.1	1.3	1.8	2.6	3.9
M68520	A		cdc2-related protein kinase	1792_g_at	8284	positive regulation of cell proliferation	-1.1	1.3	1.5	1.5	2.1	2.6	1.4
AF055008	B		clone 24720 epithelin 1 and 2	41198_at	8284	positive regulation of cell proliferation	1.4	-1.2	-1.3	-2.5	-2.0	-3.1	-2.1
M60278	A		heparin-binding EGF-like growth factor	38037_at	8284	positive regulation of cell proliferation	1.3	1.5	2.7	1.8	2.3	2.8	33.8
AF031167			interleukin 15 precursor (IL-15)	38488_s_at	8284	positive regulation of cell proliferation	-2.9	-1.6	-1.5	-3.8	-5.8	-7.0	1.3
M24351	A		parathyroid hormone-like protein	615_s_at	8284	positive regulation of cell proliferation	-1.5	-2.0	-1.2	2.6	3.9	2.8	6.1
J03802	A		renal carcinoma parathgrad hormone-like peptide	37989_at	8284	positive regulation of cell proliferation	1.1	1.6	-1.9	1.4	9.1	1.1	12.8
AF022375	A		vascular endothelial growth factor	36100_at	8284	positive regulation of cell proliferation	1.0	-1.1	1.4	1.8	1.4	1.9	4.9
M63978	A		vascular endothelial growth factor gene	36101_s_at	8284	positive regulation of cell proliferation	2.5	-1.9	2.8	2.0	2.2	1.2	18.5
L13698	B		gas1 gene	661_at	8285	negative regulation of cell proliferation	1.1	1.3	-2.2	-2.1	-1.5	-3.7	-8.6
L25876	A		protein tyrosine phosphatase (CIP2).	1599_at	8285	negative regulation of cell proliferation	2.0	1.0	-2.4	-1.8	2.1	2.6	8.1
U03106			wild-type p53 activated fragment-1 (WAF1)	2031_s_at	8285	negative regulation of cell proliferation	1.0	-1.2	-1.4	-2.8	-2.1	-1.5	-1.2
X61123	B		BTG1	37294_at	8285	negative regulation of cell proliferation	-1.1	-1.1	-1.9	-1.8	-2.2	-2.8	-1.9
U22398	B		Cdk-inhibitor p57KIP2 (KIP2)	1787_at	8285	negative regulation of cell proliferation	1.1	-1.2	-1.3	-3.0	-4.4	-9.7	-4.9
U22398	B		Cdk-inhibitor p57KIP2 (KIP2)	39545_at	8285	negative regulation of cell proliferation	-1.4	-1.1	1.1	-1.7	-2.3	-3.0	-6.9
AF016582	B		checkpoint kinase Chk1 (CHK1)	38920_at	8285	negative regulation of cell proliferation	-1.3	-1.4	6.2	22.1	1.2	2.0	11.9
L13698	B		gas1 gene	41839_at	8285	negative regulation of cell proliferation	1.2	1.2	-2.0	-1.8	-1.5	-2.8	-10.6
M60047	A		heparin binding protein (HbP17)	38489_at	8285	negative regulation of cell proliferation	1.0	-1.4	1.4	1.4	1.8	3.0	2.6
D64137	B		KIP2 gene Cdk-inhibitor p57KIP2	38673_s_at	8285	negative regulation of cell proliferation	1.2	1.0	-1.2	-2.8	-4.0	-10.0	-5.0
AF040963	B		Mad4 homolog (Mad4)	38639_at	8285	negative regulation of cell proliferation	-1.2	-1.2	1.3	-2.2	-2.1	-2.3	-4.6

GenBank	Group	Affymetric Gene Annotation	Affymatrix Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
X78534	B	NMB	38379_at	8285	negative regulation of cell proliferation	-1.2	1.2	-2.1	-1.3	-1.8	-3.0	-6.4
M24351	A	parathyroid hormone-like protein	615_s_at	8285	negative regulation of cell proliferation	-1.5	-2.0	-1.2	2.6	3.9	2.8	6.1
U63809	A	prostate apoptosis response protein par-4	40621_at	8285	negative regulation of cell proliferation	-1.1	-1.2	1.0	2.7	1.5	1.5	1.9
U63802	A	renal carcinoma parathyroid hormone-like peptide	37989_at	8285	negative regulation of cell proliferation	1.1	1.6	-1.9	1.4	9.1	1.1	12.8
AF060228	B	retinoic acid receptor responder 3 (RARRES3)	33236_at	8285	negative regulation of cell proliferation	2.5	1.3	-1.5	-2.5	-1.6	-2.0	-2.5
D86962	A	KIAA0207	37615_at	8286	insulin receptor signaling pathway	1.1	1.8	-1.4	1.2	1.3	1.2	2.9
D88532	B	p55pik	322_at	8286	insulin receptor signaling pathway	1.6	-1.1	1.3	1.2	-1.9	-4.7	-1.9
D88532	B	p55pik_complete cds	34479_at	8286	insulin receptor signaling pathway	3.0	2.0	3.7	-2.1	-2.0	-2.6	-3.9
U90907	B	clone 23907	37991_at	8286	insulin receptor signaling pathway	1.5	-1.2	-1.6	-1.5	-2.3	-3.7	-4.4
AF014402	B	type-2 phosphatidic acid phosphatase alpha-1 (PAP2-a1)	34791_at	8354	germ-cell migration	2.0	1.0	-3.2	-2.6	-3.5	-3.7	-4.5
AB011108	B	KIAA0536	32784_at	8380	RNA splicing	2.8	-1.2	-1.4	1.5	1.0	1.0	1.0
AF016369	B	U4/U6 small nuclear ribonucleoprotein hPrp4	37935_at	8380	RNA splicing	2.6	1.2	2.5	2.4	2.2	1.1	1.2
AF041037	A	novel antagonist of FGF signaling (sprouty-1)	38767_at	8543	FGF receptor signaling pathway	1.6	-1.3	1.7	3.3	4.2	2.6	1.2
M64347	B	novel growth factor receptor	31805_at	8543	FGF receptor signaling pathway	1.1	1.0	-1.2	-1.6	-2.0	-1.5	-3.2
D50840	B	ceramide glucosyltransferase	40215_at	8544	epidermal differentiation	-1.5	1.0	1.7	2.8	2.0	1.1	2.0
X78947	A	connective tissue growth factor	36638_at	8544	epidermal differentiation	-1.4	1.1	-1.1	3.0	4.2	2.7	4.4
X07696	B	cytokeratin 15	37682_at	8544	epidermal differentiation	-1.6	1.1	1.3	-1.3	-1.4	-1.7	-6.2
X14640	B	keratin 13	36883_at	8544	epidermal differentiation	-1.6	-1.1	1.0	-1.6	-1.3	-2.3	-6.3
M98776	B	keratin 1 gene	558_at	8544	epidermal differentiation	-2.4	1.3	1.4	-1.5	-2.0	-5.1	-14.3
M60828	B	keratinocyte growth factor , complete cds	1380_at	8544	epidermal differentiation	1.2	-14.5	6.4	-1.4	-1.5	-7.3	-1.9
M97815	B	retinoic acid-binding protein II	1057_at	8544	epidermal differentiation	-1.2	-1.1	1.0	-1.2	-1.4	-4.3	-2.9
AF099731	B	connexin 31.1 (GJB5)	38903_at	8544	epidermal differentiation	1.0	1.2	2.6	1.2	1.7	1.7	1.2
U31201	A	laminin gamma2 chain gene (LAMC2)	35281_at	8544	epidermal differentiation	1.7	-1.6	4.5	1.3	11.4	4.7	5.0
U17760	A	laminin S B3 chain (LAMB3)	36929_at	8544	epidermal differentiation	1.0	-1.2	1.1	1.0	1.8	2.2	4.7
L06419	B	lysyl hydroxylase (PLOD)	36184_at	8544	epidermal differentiation	-1.4	-1.4	-1.7	-2.6	-1.1	1.2	1.1
M24351	A	parathyroid hormone-like protein	615_s_at	8544	epidermal differentiation	-1.5	-2.0	-1.2	2.6	3.9	2.8	6.1
U63802	A	renal carcinoma parathyroid hormone-like peptide	37989_at	8544	epidermal differentiation	1.1	1.6	-1.9	1.4	9.1	1.1	12.8
M97815	B	retinoic acid-binding protein II (CRABP-II)	41783_at	8544	epidermal differentiation	-1.7	-1.3	1.0	-1.7	-2.7	-3.5	-3.0
AF045941	B	scieilin (SCEL)	35105_at	8544	epidermal differentiation	-2.6	1.0	1.1	1.5	1.6	1.1	1.4
L33404	B	stratum corneum chymotryptic enzyme	38143_at	8544	epidermal differentiation	-2.4	1.2	-1.2	-1.6	-1.6	-2.3	-3.9
Y09392	B	WLS-LR, WLS-S1 and WLS-S2 proteins	41189_at	8624	induction of apoptosis by extracellular signals	-2.0	-1.6	-2.8	1.1	1.2	2.9	1.4
U19599	B	(BAX delta)	1997_s_at	8624	induction of apoptosis by extracellular signals	2.9	1.6	2.7	1.2	-1.7	-2.9	-1.1
L22475	B	Bax gamma	2067_f_at	8624	induction of apoptosis by extracellular signals	1.8	1.4	8.4	-1.1	-1.4	-4.5	-1.7
L22473	B	Bax alpha	2065_s_at	8624	induction of apoptosis by extracellular signals	2.6	1.7	2.1	1.4	-1.1	-4.6	-1.4
AF005775	B	caspase-like apoptosis regulatory protein	1867_at	8624	induction of apoptosis by extracellular signals	1.2	1.4	1.7	2.6	1.6	1.0	1.7
X78104	B	DAP-kinase	40049_at	8624	induction of apoptosis by extracellular signals	1.2	1.5	-1.2	-2.0	-1.2	-1.4	-2.6
U67156	A	mitogen-activated kinase kinase kinase 5 (MAP3KK5)	1327_s_at	8624	induction of apoptosis by extracellular signals	-1.8	1.8	-1.2	2.9	2.3	2.1	1.6
U84388	A	death domain containing protein CRADD	1211_s_at	8625	induction of apoptosis via death domain receptors	-1.3	1.3	-1.3	2.7	1.5	1.4	1.4
U03106	A	wild-type p53 activated fragment-1 (WAF1)	2031_s_at	8629	induction of apoptosis by intracellular signals	1.0	-1.2	-1.4	-2.8	-2.1	-1.5	-1.2
X98172	A	MACH-alpha-1 protein	33774_at	8632	apoptotic program	-1.3	1.2	1.4	3.3	1.7	2.2	1.6
U19599	B	(BAX delta)	1997_s_at	8634	negative regulation of survival gene products	2.9	1.6	2.7	1.2	-1.7	-2.9	-1.1
L22475	B	Bax gamma	2067_f_at	8634	negative regulation of survival gene products	1.8	1.4	8.4	-1.1	-1.4	-4.5	-1.7
L22473	B	Bax alpha	2065_s_at	8634	negative regulation of survival gene products	2.6	1.7	2.1	1.4	-1.1	-4.6	-1.4
AF079221	B	BCL2/adenovirus E1B 19kDa-interacting protein 3a	39436_at	8634	negative regulation of survival gene products	2.1	1.1	-1.8	3.0	1.0	1.0	-2.7
Z23115	B	bcl-xl	1615_at	8634	negative regulation of survival gene products	1.2	1.5	1.2	1.9	1.5	-1.9	2.6
U19599	B	(BAX delta)	1997_s_at	8637	apoptotic mitochondrial changes	2.9	1.6	2.7	1.2	-1.7	-2.9	-1.1
L22475	B	Bax gamma	2067_f_at	8637	apoptotic mitochondrial changes	1.8	1.4	8.4	-1.1	-1.4	-4.5	-1.7
L22473	B	Bax alpha	2065_s_at	8637	apoptotic mitochondrial changes	2.6	1.7	2.1	1.4	-1.1	-4.6	-1.4
Z23115	B	bcl-xl	1615_at	8637	apoptotic mitochondrial changes	1.2	1.5	1.2	1.9	1.5	-1.9	2.6
D86960	A	KIAA0205	34387_at	8654	phospholipid biosynthesis	1.2	1.3	-1.5	1.8	1.9	1.8	2.9
U65887	B	CDP-diacylglycerol synthase	40217_s_at	8654	phospholipid biosynthesis	1.1	1.3	-2.7	1.4	1.1	-1.3	1.0
D11466	B	PIG-A protein	39993_at	9058	biosynthesis	-1.3	-1.2	-2.0	1.5	2.7	1.8	1.5
X31573	B	sulfite oxidase	32122_at	9087	methionine catabolism	1.1	-1.4	-1.6	-1.4	-1.5	-2.3	-3.1
AJ011896	B	HIV-1_Nef-associated factor 1 beta	38970_s_at	9101	glycoprotein biosynthesis	1.6	-2.2	-2.7	-7.5	-3.7	-2.5	1.6
AB005038	A	25-hydroxyvitamin D3 1-alpha-hydroxylase	38909_at	9110	vitamin biosynthesis	1.3	-1.3	1.2	2.1	3.3	1.8	3.6
U00238	A	glutamine PRPP amidotransferase (GPAT)	34341_at	9113	purine base biosynthesis	1.7	-1.3	2.7	2.6	-1.1	1.8	1.8
X90858	A	uridine phosphorylase	37351_at	9116	nucleoside metabolism	1.0	-1.2	-1.1	1.4	2.5	4.6	26.2
U00238	A	glutamine PRPP amidotransferase (GPAT)	34341_at	9116	nucleoside metabolism	1.7	-1.3	2.7	2.6	-1.1	1.8	1.8
X02308	A	thymidylate synthase (EC 2.1.1.45)	37899_at	9157	deoxyribonucleoside monophosphate biosynthesis	1.3	1.2	-1.5	1.2	1.2	2.1	3.5
D00596	A	gene thymidylate synthase	1505_at	9157	deoxyribonucleoside monophosphate biosynthesis	1.3	1.1	-1.1	1.0	1.6	2.9	3.1
X02308	A	thymidylate synthase (EC 2.1.1.45)	37899_at	9165	nucleotide biosynthesis	1.3	1.2	-1.5	1.2	1.2	2.1	3.5
D00596	A	gene thymidylate synthase	1505_at	9165	nucleotide biosynthesis	1.3	1.1	-1.1	1.0	1.6	2.9	3.1
J00140	A	dihydrofolate reductase gene	37913_at	9165	nucleotide biosynthesis	1.5	-1.1	1.0	-1.3	1.0	5.9	1.8
X55740	A	placental cDNA coding 5nucleotidase (EC 3.1.3.5)	31866_at	9166	nucleotide catabolism	1.6	1.1	1.3	2.9	5.1	5.1	8.2
X59618	A	RR2 small subunit ribonucleotide reductase	36922_at	9186	deoxyribonucleoside diphosphate metabolism	-1.1	1.7	-2.6	1.1	2.1	3.5	4.9
AF038172	A	clone 23923 sequence	35709_at	9231	vitamin B2 biosynthesis	-1.3	1.3	-1.5	2.6	2.8	1.8	3.5
AA402332	B	zu48h12.s1 cDNA	39905_i_at	9306	protein secretion	-4.7	1.6	1.2	1.6	-5.8	1.2	-1.2
X78283	B	aryl sulfotransferase (ST1A3)	31804_f_at	9308	amine metabolism	1.4	-1.7	1.5	-1.5	-1.8	-1.7	-2.7
X87237	B	mRNA for processing a-galucosidase I	38464_at	9311	oligosaccharide metabolism	1.4	1.2	2.6	1.1	1.3	-1.2	-1.2
X79882	B	lrp	38064_at	9315	drug resistance	1.1	-1.4	1.0	-2.9	-1.7	-2.1	-1.8
M72393	B	calcium-dependent phospholipid-binding protein (PLA2)	35938_at	9395	phospholipid catabolism	1.3	-1.2	1.6	3.9	-1.4	-1.6	-1.8
X16396	A	NAD-dependent methylene tetrahydrofolate dehydrogenase	40074_at	9396	folic acid and derivative biosynthesis	1.0	1.1	1.1	2.1	1.6	1.9	3.0
V00568	B	encoding the c-myc oncogene	1973_s_at	9405	pathogenesis	1.0	1.0	4.4	1.8	1.5	1.3	4.5
L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	9405	pathogenesis	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6
V00568	A	c-myc oncogene	37724_at	9405	pathogenesis	-1.2	1.2	2.5	2.1	1.6	1.9	3.6
X64229	A	dek	36962_at	9405	pathogenesis	1.0	1.1	1.3	1.8	2.0	2.6	3.1
U18307	B	glioma pathogenesis-related protein (GliPR)	531_at	9405	pathogenesis	-1.1	1.3	-2.8	1.2	-1.1	1.0	1.6
M60278	A	heparin-binding EGF-like growth factor	38037_at	9405	pathogenesis	1.3	1.5	2.7	1.8	2.3	2.8	33.8
X75621	B	TSC2 tuberin	38813_at	9405	pathogenesis	1.4	-1.7	-1.5	-2.4	-1.9	-3.0	-2.5

GenBank	Group	Affymetric Gene Annotation	Affymatrix Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
L19872		AH-receptor	40516_at	9410	response to xenobiotic stimulus	1.4	-1.8	-1.2	1.9	1.3	1.4	3.2
W26407	B	29b8 cDNA	33446_at	9448	aminobutyrate metabolism	-1.4	1.8	-1.1	1.1	-1.6	-2.0	-9.2
U15085		HLA-DMB	41609_at	9596	perception of pest/pathogen/parasite	-1.4	1.2	1.7	1.6	1.0	-2.5	-2.2
M31682	B	testicular inhibin beta-B-subunit	38545_at	9605	response to external stimulus	-1.3	-1.1	-1.2	-1.2	-1.6	-2.0	-3.7
D14874		adrenomedullin precursor	34777_at	9611	response to wounding	-1.5	1.1	-2.7	-1.4	-1.2	-1.3	-2.2
X78947	A	connective tissue growth factor	36638_at	9611	response to wounding	-1.4	1.1	-1.1	3.0	4.2	2.7	4.4
M60828		keratinocyte growth factor , complete cds	1380_at	9611	response to wounding	1.2	-14.5	6.4	-1.4	-1.5	-7.3	-1.9
AF041474		BAF53a	41278_at	9613	response to pest/pathogen/parasite	1.1	1.6	-1.7	2.7	2.0	2.2	1.8
L42243		(clone 511H) alternatively splice	1598_at	9615	response to virus	1.2	-1.3	-5.5	-1.3	-1.3	1.3	1.7
L06797	B	(clone L5) orphan G protein-coupled receptor	649_s_at	9615	response to virus	1.5	1.2	-1.4	-1.8	-1.2	-1.4	-2.6
U19247	B	interferon-gamma receptor alpha chain	1038_s_at	9615	response to virus	-1.2	1.0	-1.2	1.5	-1.4	-2.2	-4.0
U05875	A	clone pSK1 interferon gamma receptor accessory factor-1 (AF-1)	41140_at	9615	response to virus	-1.1	1.1	1.7	1.9	1.7	2.2	3.4
M57729		complement component C5	37816_at	9618	response to pathogenic bacteria	1.3	2.4	-6.0	-1.5	-2.5	-6.8	10.7
U19247	B	interferon-gamma receptor alpha chain	1038_s_at	9619	resistance to pathogenic bacteria	-1.2	1.0	-1.2	1.5	-1.4	-2.2	-4.0
U05875	A	clone pSK1 interferon gamma receptor accessory factor-1 (AF-1)	41140_at	9619	resistance to pathogenic bacteria	-1.1	1.1	1.7	1.9	1.7	2.2	3.4
L25879	B	p53/HEH epoxide hydrolase (EPHX)	38790_at	9636	response to toxin	1.2	-1.3	-1.6	-2.3	-1.7	-4.2	-2.9
AC004770		chromosome 11, BAC CIT-HSP-311e8 (BC269730)	41583_at	9650	UV protection	1.3	1.3	1.1	1.2	5.9	5.6	2.9
U05227	B	Rar protein	555_at	15031	protein transport	-1.2	-1.1	1.0	1.1	-1.3	-1.6	-5.3
U57093		small GTP-binding protein Rab27b	808_at	15031	protein transport	-1.5	1.2	1.8	1.0	5.9	10.0	1.3
U59877	A	low-Mr GTP-binding protein (RAB31)	33371_s_at	15031	protein transport	-1.5	-1.1	-1.1	-1.2	1.6	1.5	7.7
AF038007		FIC1	33634_at	15721	bile acid transport	1.7	1.1	1.7	1.3	1.1	-2.8	-2.0
L31801		monocarboxylate transporter 1 (SLC16A1)	36206_at	15728	mevalonate transport	-1.1	1.4	-2.5	2.3	3.4	2.6	1.3
AA978353		oq40b07.s1 cDNA	41126_at	15804	neutral amino acid transport	-1.2	1.1	-1.5	-4.9	-1.2	1.1	6.8
D26443	B	glutamate transporter	36009_at	15813	L-glutamate transport	1.1	-1.2	1.2	1.6	-1.4	-1.4	-2.5
J05069		transcobalamin 1	35919_at	15889	vitamin B12 transport	-2.3	-1.1	-10.0	1.4	-1.3	-1.9	1.3
X78706	B	carnitine acetyltransferase	41549_at	15990	energy derivation by oxidation of organic compounds	-1.5	-1.1	-1.7	-2.1	-1.8	-2.5	-4.1
M25809		endomembrane proton pump subunit	32959_at	15988	energy coupled proton transport, against the electrochemical gradient	-1.4	1.1	1.9	-1.3	-1.3	-2.6	-2.3
X60221		H+-ATP synthase subunit b	41228_r_at	15992	proton transport	1.4	1.0	-3.5	1.1	1.4	2.0	-1.5
M25809		endomembrane proton pump subunit	32959_at	15992	proton transport	-1.4	1.1	1.9	-1.3	-1.3	-2.6	-2.3
U38545		ARF-activated phosphatidylcholine-specific phospholipase	177_at	16042	lipid catabolism	-1.1	-1.4	1.3	-1.6	-3.5	-2.4	-2.0
M54994	B	bile salt-activated lipase (BAL)	39176_f_at	16042	lipid catabolism	1.4	-1.7	-3.8	-5.2	-4.5	-9.1	-4.9
M72393		calcium-dependent phospholipid-binding protein (PLA2)	35938_at	16042	lipid catabolism	1.3	-1.2	1.6	3.9	-1.4	-1.6	-1.8
M15856		lipoprotein lipase	41209_at	16042	lipid catabolism	-1.4	1.0	-3.5	-2.0	1.5	-1.5	1.0
M38449	B	transforming growth factor-beta , complete cds	1830_s_at	16049	cell growth	1.2	-1.6	1.2	-1.9	-1.5	-2.8	-1.1
M19154		transmembrane protein 2	1262_s_at	16049	cell growth	-1.8	1.0	-1.4	1.4	-1.1	1.2	2.7
AA402332		zu48h12.s1 cDNA	39905_i_at	16192	vesicle-mediated transport	-4.7	1.6	1.2	1.6	-5.8	1.2	-1.2
Y15908		dia-12c protein	34263_s_at	16288	cytokinesis	1.2	-1.3	-1.7	2.6	-1.1	1.6	1.1
X97675	A	plakophilin 2a and b	33892_at	16337	cell-cell adhesion	1.9	1.0	2.0	3.0	3.8	5.2	8.6
AB011141		KIAA0569	35681_r_at	16481	negative regulation of transcription	1.2	-2.8	1.0	1.5	-1.5	-1.3	-1.3
AB029036		KIAA1113	32635_at	16481	negative regulation of transcription	-1.1	1.8	-6.6	3.3	1.0	2.9	2.1
D63881	A	KIAA0160	40957_at	16568	chromatin modification	1.3	1.1	-1.2	2.3	1.7	2.6	2.7
AB000746	A	hMmTRA1b	32775_r_at	17121	phospholipid scrambling	1.2	1.0	-1.7	3.3	2.1	3.0	2.2
M08447		keratinocyte transglutaminase gene	35847_at	18149	peptide cross-linking	1.3	-1.1	-1.3	-2.6	-1.1	-1.6	1.1
L00972	A	cystathionine-beta-synthase (CBS)	38474_at	19343	cysteine biosynthesis via cystathione	-1.5	1.0	1.6	1.4	-1.1	1.1	3.7
S52028		cystathionine gamma-lyase (clone HCL-1)	32962_at	19344	cysteine biosynthesis	2.5	-1.5	1.9	-1.6	1.4	1.2	27.6
U77604	B	microsomal glutathione S-transferase 2	820_at	19370	leukotriene biosynthesis	-1.2	1.4	-1.6	-1.1	-1.1	-1.3	-2.5
X62078	B	GM2 activator protein	35820_at	19377	glycolipid catabolism	1.1	-1.3	-1.4	-1.6	-2.0	-2.4	-2.6
X61094		RNA GM2-activator protein (clone pGM2A)	33645_at	19377	glycolipid catabolism	2.3	1.0	1.4	-1.2	-1.7	-1.9	-2.7
AA224768	B	nc12d09.r1 cDNA	33647_s_at	19377	glycolipid catabolism	1.6	-1.2	1.0	-1.4	-2.2	-3.1	-3.5
U90441	B	prolyl 4-hydroxylase alpha (II) subunit	34390_at	19538	protein metabolism	-1.1	1.3	-1.5	-1.5	-1.4	-1.4	-2.7
M24486	B	prolyl 4-hydroxylase alpha subunit	37037_at	19538	protein metabolism	-1.2	1.2	-1.3	1.4	1.3	1.1	-2.8
X85750	A	transcript associated with monocyte to macrophage differentiation	37565_at	19835	cytolysis	-1.3	-1.1	1.5	3.0	3.1	2.1	17.0
M57888		(clone lambda B34) cytotoxic T-lymphocyte-associated serine esterase	32370_at	19835	cytolysis	-4.6	-1.1	2.6	1.8	1.2	-2.2	-1.8
M57729		complement component C5	37816_at	19835	cytolysis	1.3	2.4	-6.0	-1.5	-2.5	-6.8	10.7
U15085		HLA-DMB	41609_at	19884	antigen presentation, exogenous antigen	-1.4	1.2	1.7	1.6	1.0	-2.5	-2.2
U15085		HLA-DMB	41609_at	19886	antigen processing, exogenous antigen via MHC class II	-1.4	1.2	1.7	1.6	1.0	-2.5	-2.2
AL049758		dJ437M21.3 novel Src homology domain 3	35886_at	30036	actin cytoskeleton organization and biogenesis	1.4	1.8	4.0	1.0	-2.6	-2.2	1.1
K02566		alpha-2-thiol proteinase inhibitor	37234_at	30146	diuresis	1.2	1.4	6.9	1.8	1.1	-2.8	-1.9
K02566		alpha-2-thiol proteinase inhibitor	37234_at	30147	natriuresis	1.2	1.4	6.9	1.8	1.1	-2.8	-1.9
X62078	B	GM2 activator protein	35820_at	30149	sphingolipid catabolism	1.1	-1.3	-1.4	-1.6	-2.0	-2.4	-2.6
X61094		RNA GM2-activator protein (clone pGM2A)	33645_at	30149	sphingolipid catabolism	2.3	1.0	1.4	-1.2	-1.7	-1.9	-2.7
AA224768	B	nc12d09.r1 cDNA	33647_s_at	30149	sphingolipid catabolism	1.6	-1.2	1.0	-1.4	-2.2	-3.1	-3.5
D87953	A	RTP	36933_at	30154	cell differentiation	-1.1	1.0	1.1	-1.1	2.9	1.8	1.5
U78313		myogenic repressor 1-mf (MDFI)	38156_at	30154	cell differentiation	1.0	1.3	2.8	4.1	1.4	2.0	1.6
M31682	B	testicular inhibin beta-B-subunit	38545_at	30154	cell differentiation	-1.3	-1.1	-1.2	-1.2	-1.6	-2.0	-3.7
AI743134	A	wg87f07.x1 cDNA	41246_at	30162	regulation of proteolysis and peptidolysis	1.3	1.0	1.0	1.9	4.1	9.8	16.2
X58377	A	adipogenesis inhibitory factor	35464_at	30168	platelet activation	1.0	-10.1	1.0	1.7	4.8	2.0	12.8
AB006746	A	hMmTRA1b	32775_r_at	30168	platelet activation	1.2	1.0	-1.7	3.3	2.1	3.0	2.2
X58377	A	adipogenesis inhibitory factor	35464_at	30183	B-cell differentiation	1.0	-10.1	1.0	1.7	4.8	2.0	12.8
Y15521		ASMTL gene	36554_at	30187	melatonin biosynthesis	1.3	1.3	-2.8	1.2	1.3	1.7	-1.2
X05610		type IV collagen alpha (2) chain	36659_at	30198	extracellular matrix organization and biogenesis	2.1	-1.7	-1.8	-2.7	-1.7	-1.4	1.2
AB002364		KIAA0366	36269_at	30199	collagen fibril organization	2.5	1.8	1.7	1.9	7.1	-21.5	-1.2
AL031228		dJ1033B10.10 (membrane protein with histidine rich charge clusters)	41652_at	30199	collagen fibril organization	2.4	2.9	2.2	2.3	1.4	1.1	-1.3
X58377	A	adipogenesis inhibitory factor	35464_at	30219	megakaryocyte differentiation	1.0	-10.1	1.0	1.7	4.8	2.0	12.8
AF028993	B	i-beta-1,3-N-acetylglucosaminyltransferase	33140_at	30311	poly-N-acetyllactosamine biosynthesis	-1.3	1.5	-1.7	-2.3	1.0	-1.6	-5.4
AF041037	A	novel antagonist of FGF signaling (sprouty-1)	38767_at	30324	lung development	1.6	-1.3	1.7	3.3	4.2	2.6	1.2
AI743134	A	wg87f07.x1 cDNA	41246_at	30334	regulation of cell migration	1.3	1.0	1.0	1.9	4.1	9.8	16.2
M18961		alpha-2-HS-glycoprotein alpha and beta chain	36621_at	30500	regulation of bone mineralization	1.0	-1.5	1.2	2.5	-2.6	-1.3	-1.1
AB002364		KIAA0366	36269_at	30574	collagen catabolism	2.5	1.8	1.7	1.9	7.1	-21.5	-1.2

GenBank		Affymetrix			Fold Change							
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
L22524	B	matrilysin gene	668_s_at	30574	collagen catabolism	1.0	-1.1	-1.1	1.1	1.1	-3.2	-7.5
M13509		skin collagenase	38428_at	30574	collagen catabolism	-1.6	3.2	1.5	1.5	-1.2	1.2	5.8
D79987	A	KIAA0165	38158_at	40001	mitotic spindle positioning and orientation	1.4	-1.2	-1.6	1.2	2.1	1.9	4.8
M38449	B	transferring growth factor-beta, complete	1830_s_at	40007	growth	1.2	-1.6	1.2	-1.9	-1.5	-2.8	-1.1
M19154		transferring growth factor-beta-2	1262_s_at	40007	growth	-1.8	1.0	-1.4	1.4	-1.1	1.2	2.7
M22489		bone morphogenetic protein 2A (BMP-2A)	1113_at	40007	growth	-1.4	-2.1	-1.1	-1.2	1.3	-1.5	3.1
M22489		bone morphogenetic protein 2A (BMP-2A)	40367_at	40007	growth	-1.2	-1.9	1.0	1.1	1.1	-1.5	2.5
M31682	B	testicular inhibin beta-B-subunit	38545_at	40007	growth	-1.3	-1.1	-1.2	-1.2	-1.6	-2.0	-3.7
U19523	A	GTP cyclohydrolase I	37944_at	42133	neurotransmitter metabolism	-1.2	1.2	1.1	1.8	2.9	2.1	3.5
M68840	B	monoamine oxidase A (MAOA)	41772_at	42135	neurotransmitter catabolism	-1.3	1.4	-1.3	-1.1	-1.4	-2.0	-5.1
W26407	B	2998_cDNA	33446_at	42135	neurotransmitter catabolism	-1.4	1.8	-1.1	1.1	-1.6	-2.0	-9.2
AA420624	B	nc61c12.r1 cDNA	41771_g_at	42135	neurotransmitter catabolism	-1.1	1.2	-1.4	-1.2	-1.8	-2.5	-4.5
AJ011896		HIV-1 Nef-associated factor 1 beta	38970_s_at	45071	negative regulation of viral genome replication	1.6	-2.2	-2.7	-7.5	-3.7	-2.5	1.6
AF082868	B	gamma butyrobetaine hydroxylase (BBH)	38339_at	45329	caritine biosynthesis	1.8	1.7	-1.6	-1.3	-1.4	-5.8	-3.2
X58377	A	adipogenesis inhibitory factor	35464_at	45444	adipocyte differentiation	1.0	-10.1	1.0	1.7	4.8	2.0	12.8
U43746	A	breast cancer susceptibility (BRCA2)	1989_at	45449	regulation of transcription	-2.3	1.3	1.6	-1.3	1.6	3.2	6.7
AL080076	B	DKFZp564C0362	32668_at	45449	regulation of transcription	1.0	1.3	-2.8	-1.3	-1.8	-2.5	-2.5
L13698	B	gas1 gene	661_at	45749	negative regulation of S phase of mitotic cell cycle	1.1	1.3	-2.2	-2.1	-1.5	-3.7	-8.6
L13698	B	gas1 gene	41839_at	45749	negative regulation of S phase of mitotic cell cycle	1.2	1.2	-2.0	-1.8	-1.5	-2.8	-10.6
Y15228		leukemia associated gene 2	39955_at	45786	negative regulation of cell cycle	1.0	-1.4	-1.4	-9.0	3.1	2.0	2.6
M62397	B	colorectal mutant cancer protein	1832_at	45786	negative regulation of cell cycle	1.3	-1.2	1.4	-1.1	-1.8	-3.6	-2.3
U03911	A	mutator gene (hMSH2)	860_at	45786	negative regulation of cell cycle	-1.3	1.2	1.0	2.0	3.0	4.3	2.2
U22398	B	Cdk-inhibitor p57KIP2 (KIP2)	1787_at	45786	negative regulation of cell cycle	1.1	-1.2	-1.3	-3.0	-4.4	-9.7	-4.9
U22398	B	Cdk-inhibitor p57KIP2 (KIP2)	39545_at	45786	negative regulation of cell cycle	-1.4	1.1	1.1	-1.7	-2.3	-3.0	-5.9
M62397	B	colorectal mutant cancer protein	35861_at	45786	negative regulation of cell cycle	1.0	-1.6	-1.1	-1.2	-1.4	-2.3	-2.7
D64137	B	KIP2 gene Cdk-inhibitor p57KIP2	38873_s_at	45786	negative regulation of cell cycle	1.2	1.0	-1.2	-2.8	-4.0	-10.0	-5.0
U03911	A	mutator gene (hMSH2)	861_g_at	45786	negative regulation of cell cycle	1.1	-1.3	-1.3	2.1	1.7	3.6	2.2
U28455	A	phosphatidylinositol 3-kinase homolog (ATM)	2000_at	45786	negative regulation of cell cycle	1.5	1.3	1.0	1.6	-1.5	-2.5	1.4
X75621	B	TSC2 tuberin	38813_at	45786	negative regulation of cell cycle	1.4	-1.7	-1.5	-2.4	-1.9	-3.0	-2.5
D79987	A	KIAA0165	38158_at	45842	positive regulation of mitotic metaphase/anaphase transition	1.4	-1.2	-1.6	1.2	2.1	1.9	4.8
D79987	A	KIAA0165	38158_at	45875	negative regulation of sister chromatid cohesion	1.4	-1.2	-1.6	1.2	2.1	1.9	4.8
J04809	B	cytosolic adenylate kinase (AK1)	36997_at	46034	ATP metabolism	1.5	-1.1	1.3	-1.4	-1.5	-3.1	-1.8
M31682	B	testicular inhibin beta-B-subunit	38545_at	46881	positive regulation of follicle-stimulating hormone secretion	-1.3	-1.1	-1.2	-1.2	-1.6	-2.0	-3.7
M19481	A	follicle-stimulating hormone receptor	38356_at	46882	negative regulation of follicle-stimulating hormone secretion	1.6	-1.3	2.0	1.6	-1.5	2.1	67.5
M31682	B	testicular inhibin beta-B-subunit	38545_at	46882	negative regulation of follicle-stimulating hormone secretion	-1.3	-1.1	-1.2	-1.2	-1.6	-2.0	-3.7
M31682	B	testicular inhibin beta-B-subunit	38545_at	48178	negative regulation of hepatocyte growth factor biosynthesis	-1.3	-1.1	-1.2	-1.2	-1.6	-2.0	-3.7
D21254		OB-cadherin-1	2087_s_at	N/A	N/A	-5.6	1.1	-1.2	4.2	7.7	1.6	2.2
Y13115	A	serine/threonine protein ki	975_at	N/A	N/A	3.5	-2.2	-4.0	9.4	14.1	14.2	8.8
X83928		transcription factor TFIID	38426_at	N/A	N/A	6.6	-1.1	1.4	1.4	1.0	-1.1	-1.1
AB028069	A	activator of S phase Kinase	31865_at	N/A	N/A	1.0	-1.3	1.1	1.6	2.0	1.4	2.8
D89053	A	Acyl-CoA synthetase 3	33880_at	N/A	N/A	1.2	1.4	-1.2	1.7	1.2	3.0	2.3
X84195	B	acylphosphatase, muscle type (MT) isoenzyme	36321_at	N/A	N/A	-1.4	-1.6	-1.5	-1.4	-1.7	-2.7	-2.1
X15804	A	alpha-actinin	39329_at	N/A	N/A	1.3	-1.5	1.2	2.4	3.2	2.7	2.7
AJ007014		AMMERC1 protein	32940_at	N/A	N/A	16.0	1.1	2.5	1.3	-1.3	1.4	-1.1
AB006909		A-type microphthalmia associated transcription	38228_g_at	N/A	N/A	-1.1	1.2	-1.3	-1.1	-1.8	-2.5	-2.7
D32143	B	biliverdin-IXbeta reductase I	37002_at	N/A	N/A	1.3	-1.3	1.0	-2.0	-2.1	-2.5	3.0
D16217		calpastatin	41257_at	N/A	N/A	-1.3	1.6	-2.8	1.0	1.3	1.7	1.0
X56667		calretinin	37157_at	N/A	N/A	1.2	1.7	1.2	1.1	2.1	-1.6	3.4
D87969	A	CMP-sialic acid transporter	37895_at	N/A	N/A	-1.5	-1.1	-1.2	2.8	1.9	2.2	1.3
AB022718	A	DEPP (decidual protein induced by progesterone)	39114_at	N/A	N/A	-1.2	-1.3	3.1	2.7	3.3	4.1	2.6
AB007447	B	Fln29	35254_at	N/A	N/A	-1.2	-1.1	-1.1	-1.7	-1.9	-2.8	-3.6
D87120	A	GS3786	34321_i_at	N/A	N/A	1.6	1.4	2.1	3.7	3.4	3.4	3.9
D87120		GS3786	34322_r_at	N/A	N/A	-2.0	-1.6	7.4	-1.5	1.8	2.6	1.2
Y17782	B	heat shock protein B3	35982_at	N/A	N/A	-1.1	1.3	1.1	-6.3	-16.1	-6.5	-40.3
AB000095	B	hepatocyte growth factor activator inhibitor	33448_at	N/A	N/A	-1.5	-1.2	-1.3	-1.8	-1.7	-2.5	-1.4
X81420		hHKb1 protein	36288_at	N/A	N/A	1.3	-1.3	1.0	-1.4	-1.3	1.1	2.9
AJ011972		histone deacetylase-like protein (JM21)	35795_at	N/A	N/A	-1.1	-1.2	-3.3	-1.1	1.2	-1.2	1.0
AB006537	A	interleukin 1 receptor accessory protein	38546_at	N/A	N/A	1.0	1.1	3.2	3.4	3.9	2.8	2.4
D28498	A	KIAA0007	38250_at	N/A	N/A	-1.3	1.2	1.5	1.5	1.5	2.8	1.4
D13635		KIAA0010	32044_at	N/A	N/A	1.2	-1.2	-3.4	2.0	1.2	1.5	1.6
D87717		KIAA0013	38536_at	N/A	N/A	1.2	9.4	2.0	-2.6	-1.1	3.1	3.5
D25216		KIAA0014	32062_at	N/A	N/A	-2.0	-1.8	2.6	-1.1	-1.7	-3.4	-2.0
D13645	A	KIAA0020	34765_at	N/A	N/A	1.1	1.1	1.3	3.6	2.0	2.9	2.2
D28361	A	KIAA0042 gene	34563_at	N/A	N/A	2.9	1.0	1.3	1.7	6.2	9.3	19.4
D31885		KIAA0069	36572_r_at	N/A	N/A	-1.2	1.7	-2.6	1.9	1.5	1.7	1.4
D42041	B	KIAA0088	37040_at	N/A	N/A	1.8	1.0	-2.8	-1.3	-1.6	-1.9	-1.3
D14657	A	KIAA0101	38116_at	N/A	N/A	1.0	1.4	-1.5	1.2	1.3	4.8	3.2
D63480		KIAA0146	32561_at	N/A	N/A	2.7	1.5	-1.7	1.2	1.1	1.7	1.3
D79983		KIAA0161	37695_at	N/A	N/A	1.1	8.8	-2.0	7.0	1.1	-2.0	-1.3
D79986	A	KIAA0164	38050_at	N/A	N/A	-1.2	1.2	-1.3	2.8	1.3	1.7	1.1
D80008		KIAA0186	39677_at	N/A	N/A	-1.1	1.3	-1.5	2.1	6.4	7.0	2.6
D86956	A	KIAA0201	34398_at	N/A	N/A	1.0	-1.2	-1.2	2.3	1.7	2.7	1.7
D86959	A	KIAA0204	38669_at	N/A	N/A	-1.7	1.0	1.1	1.7	2.0	3.4	2.6
D86978		KIAA0225	38726_at	N/A	N/A	1.8	1.2	-2.8	1.2	1.4	1.4	1.6
D87682		KIAA0241	39761_at	N/A	N/A	1.2	1.1	-2.0	-1.1	1.7	3.4	1.9
D87462	B	KIAA0263	36154_at	N/A	N/A	1.5	-1.9	-1.4	-2.8	-2.2	-2.6	-2.1
D87466	A	KIAA0276	35039_at	N/A	N/A	-1.8	1.0	-1.1	2.5	1.6	1.6	1.4
AB006624	A	KIAA0286	31832_at	N/A	N/A	1.3	1.5	5.2	1.1	6.5	4.1	2.5
AB002311		KIAA0313	32026_s_at	N/A	N/A	1.1	1.7	-3.0	1.7	1.4	2.1	1.1

GenBank			Affymetrix		Fold Change							
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
AB002333		KIAA0335	32026_s_at	N/A	N/A	-2.4	-1.5	1.2	-1.1	-3.0	1.2	1.2
AB002351		KIAA0353	39544_at	N/A	N/A	1.3	-3.1	-2.6	1.1	-1.7	-3.4	-2.0
AB002359		KIAA0361	37143_s_at	N/A	N/A	1.3	1.7	-1.3	-1.1	2.6	2.0	1.4
AB002375		KIAA0377	38196_at	N/A	N/A	-1.2	-1.1	-3.1	-1.1	-1.2	-1.4	1.5
AB002384	B	KIAA0386	37112_at	N/A	N/A	1.6	1.2	1.1	1.1	-1.2	-1.6	-2.7
AB007917		KIAA0448	40510_at	N/A	N/A	3.3	-1.1	-1.3	3.8	1.1	2.3	-1.5
AB007923	B	KIAA0454	39422_at	N/A	N/A	1.2	1.4	-1.7	-1.3	-2.0	-1.9	-3.4
AB011089	A	KIAA0517	39382_at	N/A	N/A	-1.1	1.1	-1.2	2.7	3.3	2.0	2.0
AB011126	B	KIAA0554	30403_at	N/A	N/A	-1.1	1.0	-1.1	1.0	1.1	1.0	-2.9
AB011147	B	KIAA0575	38875_r_at	N/A	N/A	-1.1	-1.8	-1.5	-1.5	-1.3	-3.6	-5.6
AB011161	B	KIAA0589	32133_at	N/A	N/A	1.7	-1.5	-1.1	-1.9	-1.2	-3.4	-1.6
AB011162	B	KIAA0590	37437_at	N/A	N/A	1.7	-1.7	-2.7	-1.3	-3.2	-3.0	-2.4
AB011167	A	KIAA0595	31821_at	N/A	N/A	1.2	1.3	2.0	1.6	2.7	1.4	1.3
AB011182		KIAA0610	39852_at	N/A	N/A	-1.8	1.0	1.9	3.2	1.5	1.3	-1.1
AB014527		KIAA0627	38711_at	N/A	N/A	-1.1	1.2	-2.9	2.6	2.2	3.1	1.2
AB014535		KIAA0635	38854_at	N/A	N/A	1.1	-1.5	1.1	2.5	-1.2	3.3	1.3
AB014554		KIAA0654 protein	41435_at	N/A	N/A	-1.2	-1.3	1.1	-1.3	-1.3	-2.5	-1.3
AB014580		KIAA0680	41364_r_at	N/A	N/A	-2.8	2.9	1.3	1.2	7.9	9.9	-1.6
AB014610		KIAA0710	34801_at	N/A	N/A	2.0	-1.1	-4.1	-1.5	-2.2	-2.1	2.8
AB018255		KIAA0712	41455_at	N/A	N/A	1.0	-1.6	1.5	-3.5	-1.2	-1.8	1.0
AB018259	A	KIAA0716	41620_at	N/A	N/A	1.2	1.1	1.6	1.6	2.3	4.6	3.4
AB018289		KIAA0746	41585_at	N/A	N/A	1.3	1.0	-3.4	1.6	-1.1	-1.7	-1.5
AB020640		KIAA0833	39584_at	N/A	N/A	1.0	8.6	-2.7	12.7	1.9	-11.6	1.6
AB020651	A	KIAA0844	35959_at	N/A	N/A	-1.4	1.4	1.4	1.7	2.4	2.7	8.7
AB020694	A	KIAA0877	39021_at	N/A	N/A	1.1	-1.1	-1.2	1.3	1.4	2.8	1.9
AB020685	B	KIAA0878	32216_r_at	N/A	N/A	2.5	-1.1	-3.3	-1.4	-2.4	-24.5	-4.6
AB020685	B	KIAA0878	32215_l_at	N/A	N/A	1.8	-1.6	1.0	-1.6	-1.3	-4.4	-2.7
AB020689		KIAA0882	38254_at	N/A	N/A	1.1	1.8	1.4	1.6	1.3	-1.7	-2.6
AB020699	B	KIAA0892	36054_at	N/A	N/A	1.4	-2.0	-4.0	-1.8	-2.4	-2.1	-1.4
AB020725	B	KIAA0918	33576_at	N/A	N/A	2.2	1.3	-1.1	-1.1	1.0	-1.6	-2.9
AB023141	B	KIAA0924	35878_at	N/A	N/A	2.7	1.3	-1.4	-1.2	1.2	-5.6	-2.5
AB023158	A	KIAA0941	32740_at	N/A	N/A	-1.4	-1.4	-1.1	1.3	1.4	1.2	3.2
AB023213		KIAA0996	36521_at	N/A	N/A	1.2	1.3	1.1	3.1	2.0	1.6	-1.4
AB028951		KIAA1028	39417_at	N/A	N/A	-1.4	1.0	-7.0	-1.2	-1.6	-1.7	-1.6
AB028952	B	KIAA1029	36452_at	N/A	N/A	-1.2	1.1	-1.2	-1.6	-2.0	-2.4	-2.9
AB028969	A	KIAA1046	38778_at	N/A	N/A	-1.2	1.1	-1.2	3.0	2.4	3.2	1.9
AB028974		KIAA1051	39696_at	N/A	N/A	1.9	1.3	-8.0	-1.1	-1.2	1.5	1.8
AB029001	A	KIAA1078	34888_at	N/A	N/A	-1.3	1.0	-1.3	1.8	1.7	2.1	2.7
AB029012	A	KIAA1089	34868_at	N/A	N/A	1.6	1.2	-1.1	1.7	1.5	1.2	2.6
AB029022		KIAA1099	34676_at	N/A	N/A	1.7	1.5	-1.4	1.0	2.1	1.6	-2.9
D86062	B	KNP-1b	31927_s_at	N/A	N/A	1.1	-1.4	-1.2	-2.6	2.6	-2.6	-1.8
X77196	B	lysosome-associated membrane protein-2	38403_at	N/A	N/A	-1.5	-1.1	-1.8	1.0	-1.6	-1.9	-2.8
Y14484	B	mitochondrial carrier protein ARALAR1	33256_at	N/A	N/A	-1.1	-1.4	-1.1	-1.2	-1.1	-1.8	-2.6
X98260	A	M-phase phosphoprotein, mpp11	37632_s_at	N/A	N/A	-1.2	-1.1	1.9	5.0	1.5	2.6	2.9
D82326		Na ⁺ -independent neutral and basic amino acid transport	39284_at	N/A	N/A	3.6	-1.2	-3.1	-1.2	2.2	3.6	-1.6
D86519		neuropeptide yepetide YY Y6 receptor	33973_at	N/A	N/A	-9.0	2.4	-2.7	-1.6	1.9	-1.9	4.7
AJ001258	B	NIPSNAP1	40866_at	N/A	N/A	1.0	-1.1	-1.3	-1.4	-1.6	-2.0	-4.5
D21255	A	OB-cadherin-2	36976_at	N/A	N/A	-2.0	3.4	1.2	4.3	5.6	1.8	19.2
AB007448	A	OCTN1	40391_at	N/A	N/A	1.0	-1.3	-1.3	-1.2	1.6	1.8	3.1
Y09631	A	PIBF1 protein	36012_at	N/A	N/A	-1.2	-1.1	-1.3	2.6	1.3	2.9	2.0
AJ005801		protein phosphatase 2C (beta)	32665_at	N/A	N/A	2.0	1.2	-2.7	1.5	1.3	-1.4	1.9
Y09616	B	putative carboxylesterase	40882_at	N/A	N/A	-1.3	-1.7	-1.2	-2.3	-2.2	-2.9	-1.7
X00129	B	retinol binding protein (RBP)	32552_at	N/A	N/A	3.4	-1.4	-8.3	-1.2	-1.6	-3.3	-4.0
Y18004		SCML2 protein	38518_at	N/A	N/A	-1.2	4.7	-1.3	1.7	2.0	1.9	1.1
Y00064		secretogranin I (chromogranin B)	33426_at	N/A	N/A	9.2	1.0	1.2	4.3	-1.2	3.1	4.9
AJ132258		staufen protein	41823_at	N/A	N/A	-1.2	1.2	-3.0	1.2	1.5	2.0	-1.1
X61072		T cell receptor, clone IGRA17	31556_at	N/A	N/A	-2.8	2.6	1.3	-1.6	1.8	-1.2	1.0
AB000584		TGF-beta superfamily protein	1890_at	N/A	N/A	1.1	1.0	1.3	-1.2	-1.3	-1.2	3.2
X82018		ZID protein	34562_at	N/A	N/A	-1.7	-1.7	2.3	1.4	-3.5	-1.1	1.0
Y09538	B	ZNF185 gene	32139_at	N/A	N/A	1.1	-1.1	-1.2	-2.4	-2.1	-3.1	-2.9
X56777	B	ZP3 gene	39719_at	N/A	N/A	1.1	-1.2	-2.2	-1.8	-1.6	-3.9	-1.4
X56777	B	ZP3 gene	39720_g_at	N/A	N/A	1.1	-1.2	-2.2	-1.8	-1.6	-3.9	-1.4
U60519		apoptotic cysteine protease Mch4 (Mch4)	1326_at	N/A	N/A	-1.6	1.7	1.4	-2.7	1.3	-2.1	1.0
M15025		BCR/ABL	2043_s_at	N/A	N/A	1.6	5.3	1.9	-1.6	1.4	-1.5	-1.1
X95152		brca2 gene exon 2 (and joined coding re	1503_at	N/A	N/A	-1.4	-1.1	10.2	1.6	2.6	1.6	4.9
U50535		BRCA2 region, sequence CG006	1531_at	N/A	N/A	1.6	-2.1	1.3	4.6	-1.2	-1.6	1.5
U26710	B	cbl-b	35632_at	N/A	N/A	1.4	1.3	-1.5	1.3	-1.3	-2.5	-2.6
U77949		Cdc6-related protein (HsCDC6)	36839_at	N/A	N/A	1.2	1.4	-19.2	3.6	14.7	11.2	7.5
C18655	B	cDNA, 5' end (clone=GEN-565G08	33206_at	N/A	N/A	1.0	1.0	-1.9	-1.4	-3.0	-3.3	-2.0
U78556		cisplatin resistance associated alpha protein	1229_at	N/A	N/A	1.8	1.2	1.3	-2.3	-1.8	-1.7	3.4
U73379	A	cyclin-selective ubiquitin carrier protein	1651_at	N/A	N/A	1.4	1.0	1.2	-1.1	2.5	4.3	9.2
U28042	A	DEAD box RNA helicase-like protein	831_at	N/A	N/A	-1.2	1.0	1.1	3.2	1.4	1.9	1.5
J00139		dihydrofolate reductase gene, exon 6 and 3	1610_s_at	N/A	N/A	3.9	1.0	3.6	1.4	1.1	3.6	3.8
D85376		DNA thyrotropin-releasing hormone	750_at	N/A	N/A	5.2	-12.3	9.2	24.1	3.1	3.0	2.9
X59065	B	FGF gene, exon 3	396_at	N/A	N/A	1.0	1.1	-1.6	-1.3	-7.8	-2.7	-9.1
AL079286		full length insert cDNA clone EUROIMAGE 26173	38341_at	N/A	N/A	1.2	2.1	-3.1	2.4	1.5	1.5	-1.4
AL079277		full length insert cDNA clone EUROIMAGE 293605	41710_at	N/A	N/A	-1.8	-1.1	1.2	2.6	1.4	1.2	1.8
U55206	A	gamma-glutamyl hydrolase (hGH)	37263_at	N/A	N/A	1.2	1.2	-1.4	1.8	2.2	3.3	3.3
U15590	B	heat shock 17kD protein 3 (HSPB3)	528_at	N/A	N/A	1.0	-1.1	-1.2	-1.5	-2.3	-4.1	-8.5

GenBank			Affymetrix					Fold Change							
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24			
M11717		heat shock protein (hsp 70)	1104_s_at	N/A	N/A	1.6	-1.3	1.5	1.3	2.6	1.7	-3.3			
L19778		histone H2A.1b	285_g_at	N/A	N/A	-1.3	-1.1	1.5	-1.4	-2.4	-46.9	1.2			
M26679	B	homeobox protein (HOX-1.3)	873_at	N/A	N/A	1.1	-1.1	-1.5	1.1	-1.7	-3.6	-5.8			
M28439	B	keratin type 16 gene, exon 8	601_s_at	N/A	N/A	-1.4	-1.3	1.5	-1.4	-1.5	-1.7	-2.5			
L25931	A	lamin B receptor (LBR)	288_s_at	N/A	N/A	-1.3	1.2	1.2	2.1	2.3	3.3	2.6			
L20859	A	leukemia virus receptor 1 (GLVR1)	1138_at	N/A	N/A	-1.2	1.0	3.3	4.0	3.5	4.1	5.4			
L07590	B	protein phosphatase 2A 130 kDa regulatory subunit	930_at	N/A	N/A	1.6	1.1	-1.7	-1.2	-2.9	-4.4	-6.7			
M59371	A	protein tyrosine kinase	1379_at	N/A	N/A	1.3	-1.8	2.3	1.9	1.7	1.2	3.6			
L16732	A	putative M phase phosphoprotein 1 (MPP1)	282_at	N/A	N/A	-1.1	-1.3	1.2	1.6	2.3	3.7	2.6			
U56998		putative serine/threonine protein kinase PRK	606_at	N/A	N/A	1.0	1.4	2.4	1.4	1.3	1.0	2.9			
L14812		retinoblastoma related protein (p107)	1907_at	N/A	N/A	3.6	2.1	6.8	2.0	1.4	1.9	3.0			
M29960		steroid receptor (TR2-11)	603_at	N/A	N/A	-1.1	-1.3	-1.1	-1.2	1.0	-2.5	1.3			
M34057	A	transforming growth factor-beta 1 binding protein	1495_at	N/A	N/A	-1.1	1.1	-1.4	-1.5	2.9	3.5	5.8			
M32315		tumor necrosis factor receptor	1583_at	N/A	N/A	-1.7	1.1	2.8	-1.2	-1.3	-1.4	1.5			
U09937	A	urokinase-type plasminogen receptor, exon 7	189_s_at	N/A	N/A	-1.1	-1.3	1.6	1.4	2.0	2.7	4.4			
T53900		yb3e08.r1 cDNA	40799_at	N/A	N/A	2.0	7.1	12.6	2.1	-1.1	2.4	1.2			
L07633	B	(clone 1950.2) interferon-gamma IEF SSP 5111	36600_at	N/A	N/A	1.1	1.1	-1.5	-1.2	-1.7	-1.2	-2.6			
L40392		(clone S164), 3' end of cds	41208_at	N/A	N/A	1.7	1.1	1.2	1.4	1.2	-1.2	2.6			
J04137		60-kdal ribonucleoprotein (Ro)	35293_at	N/A	N/A	1.2	1.8	-1.2	1.8	1.5	2.9	-1.1			
U37122		adducin gamma subunit	33103_s_at	N/A	N/A	2.1	-1.3	1.5	-1.1	-2.8	-2.1	-2.5			
U37100	B	aldose reductase-like peptide	37482_at	N/A	N/A	-1.2	1.1	-1.5	-1.1	-1.6	-2.3	-2.7			
M26576		alpha-1 collagen type IV gene	39333_at	N/A	N/A	14.4	1.0	-1.7	-2.0	1.5	1.2	1.5			
M29877	A	alpha-L-fucosidase	41814_at	N/A	N/A	2.2	-1.2	1.5	1.5	1.9	1.5	2.8			
D90070	A	ATL-derived PMA-responsive (APR) peptide	41048_at	N/A	N/A	1.0	1.3	2.1	2.7	1.0	2.2	11.7			
U94319		autoantigen DF570	39243_s_at	N/A	N/A	1.1	1.4	-1.7	2.0	3.6	3.6	2.5			
U03105	B	B4-2 protein	36890_at	N/A	N/A	1.0	-1.3	1.0	-2.0	-3.1	-3.9	-1.7			
AF089862		BAC clone 157K21 from 8q21	36570_at	N/A	N/A	-2.7	1.1	1.0	1.2	-1.1	-2.0	-1.7			
AC004010	A	BAC clone GS09H08	32919_at	N/A	N/A	1.7	1.1	3.2	2.0	2.0	3.1	3.0			
AC005053	A	BAC clone RG041D11 from 7q21	40297_at	N/A	N/A	-1.2	-1.1	1.6	2.4	1.6	1.3	4.6			
AF068197	B	BCE-1	38364_at	N/A	N/A	-1.3	1.5	-2.1	-1.9	-1.4	1.0	-2.5			
U17077	A	BENE	33331_at	N/A	N/A	-2.4	-1.2	1.1	1.5	2.5	2.6	2.9			
M34175	B	beta adaptin	36161_at	N/A	N/A	1.4	-1.1	-1.6	-1.4	-1.4	-2.6	-1.1			
X75940		beta glucuronidase pseudogene	41642_at	N/A	N/A	1.6	1.2	-1.5	3.2	2.6	1.0	1.0			
M34423	B	beta-galactosidase (GLB1)	37742_at	N/A	N/A	1.4	-1.3	-1.4	-1.7	-1.8	-3.0	-1.8			
U90030	A	bicaudal-D (BICD) , alternatively spliced	32127_at	N/A	N/A	1.4	1.0	6.3	1.6	8.2	1.0	2.8			
M57951	B	bilirubin UDP-glucuronosyltransferase isozyme 2	32392_s_at	N/A	N/A	1.0	1.2	-1.5	-1.4	-1.6	-2.0	-3.3			
U76638	A	BRCA1-associated RING domain protein (BARD1)	1801_at	N/A	N/A	-1.1	3.3	-1.3	1.6	2.8	3.5	4.6			
U50529	B	BRCA2 region, sequence CG016	34459_at	N/A	N/A	-1.2	1.2	2.8	1.5	-1.4	-1.4	1.3			
U90548	B	butyrophilin (BTF3)	38241_at	N/A	N/A	1.4	-1.1	-1.6	-1.4	-1.7	-4.8	-2.9			
U72515	B	C3f	33710_at	N/A	N/A	1.1	1.2	-3.0	-1.7	-1.5	-2.2	-4.0			
U61538		calcium-binding protein chp	35018_at	N/A	N/A	1.1	1.1	2.9	1.0	-1.1	-1.4	-1.9			
U28710	B	cd4-b	514_at	N/A	N/A	1.0	1.8	-2.8	1.1	-1.6	-3.4	-3.0			
AF039917		CD39L3 (CD39L3)	39974_at	N/A	N/A	-1.7	1.4	2.0	-12.5	-2.3	-2.4	-3.5			
U77949	A	Cdc6-related protein (HsCDC6)	1536_at	N/A	N/A	-1.2	-1.2	-1.8	5.5	3.5	4.1	4.5			
AB007962		chromosome 1 specific transcript KIAA0493	33762_r_at	N/A	N/A	-3.3	-1.2	-3.4	1.6	1.0	-1.3	-1.2			
U47924	B	chromosome 12p13 sequence	34003_at	N/A	N/A	1.6	-1.8	-2.6	-2.2	-1.6	-2.0	1.1			
AC002045		Chromosome 16 BAC clone CIT987SK-A-589H1	33836_at	N/A	N/A	1.3	1.1	2.1	1.3	1.0	-5.3	2.0			
AC004076		chromosome 19, cosmid R30217	31336_at	N/A	N/A	2.5	5.3	1.1	30.4	2.7	3.8	2.7			
AC005781		chromosome 19, cosmid R33632	32486_at	N/A	N/A	2.0	-1.4	1.2	-1.8	4.1	-1.4	-3.4			
U78556	A	cisplatin resistance associated alpha protein	1230_g_at	N/A	N/A	1.2	-1.3	1.1	-1.6	1.6	1.7	3.0			
M61199	A	cleavage signal 1 protein	38409_at	N/A	N/A	-1.5	-1.3	1.1	1.7	-1.1	1.8	2.7			
U92014		clone 121711 defective mariner transposon Hsma2 sequence	38241_at	N/A	N/A	1.0	-2.5	-5.4	1.5	-1.1	1.6	4.5			
U79289		clone 23695 sequence	37060_at	N/A	N/A	-2.4	1.1	-2.7	1.7	3.7	-7.3	4.5			
AF035282	B	clone 23703 sequence	41679_at	N/A	N/A	1.1	2.5	-3.0	-1.7	-2.5	-3.3	-22.4			
U79256	A	clone 23719 sequence	37577_at	N/A	N/A	-1.4	-1.1	-1.2	1.2	1.8	1.8	3.7			
U79272		clone 23720 sequence	37891_at	N/A	N/A	1.6	3.9	-2.1	1.7	1.3	1.6	-1.3			
AF007130		clone 23750 unknown	37819_at	N/A	N/A	-1.1	1.7	-1.6	2.7	1.0	1.1	-2.0			
U79263	A	clone 23760	32954_at	N/A	N/A	2.1	-1.2	1.6	3.1	2.3	3.5	2.5			
U79267	A	clone 23840	34371_at	N/A	N/A	-1.1	1.2	1.2	1.7	1.7	1.7	2.7			
AF039182	A	clone 23860 sequence	33466_at	N/A	N/A	-1.2	-1.6	1.5	3.0	1.9	2.6	1.4			
AF052102	A	clone 23926 sequence	41808_at	N/A	N/A	1.2	-1.4	1.1	1.9	1.7	1.7	2.8			
AF070559	A	clone 24463 sequence	41860_at	N/A	N/A	-1.3	-1.2	-1.1	2.0	1.5	3.3	3.6			
AF052187		clone 24511	41693_r_at	N/A	N/A	1.2	-4.0	1.6	3.1	-2.6	-1.4	-2.6			
AF052178	A	clone 24523 sequence	40802_at	N/A	N/A	2.0	1.4	1.7	2.5	2.6	2.4	2.9			
AF070595		clone 24583	38170_at	N/A	N/A	-1.7	6.4	1.5	1.7	3.3	1.2	-9.8			
AF070618		clone 24627 sequence	31799_at	N/A	N/A	-1.5	-1.3	-1.2	-2.4	1.8	-2.3	-2.8			
AF070620		clone 24694 sequence	33886_at	N/A	N/A	1.0	-1.2	-1.2	3.5	-1.1	-1.5	1.5			
AF070614		clone 24732 unknown	36536_at	N/A	N/A	1.2	1.8	-1.7	2.3	1.8	3.3	2.7			
AF070596	B	clone 24796 sequence	35198_at	N/A	N/A	-2.0	1.5	1.3	-1.4	1.1	-1.3	-12.2			
AF070617	B	clone 24812 sequence	35142_at	N/A	N/A	-1.2	1.4	1.1	1.2	-1.1	-1.4	-2.6			
AF090102		clone IMAGE 21785	39527_at	N/A	N/A	1.4	1.2	-3.0	1.6	-1.3	1.7	-1.8			
U82319		clone YDD19 sequence	37079_at	N/A	N/A	1.7	1.3	-1.4	2.8	1.7	1.4	1.7			
M13666	A	c-myc	41854_at	N/A	N/A	-1.6	-1.5	1.1	1.8	-1.3	-3.6	1.3			
AF063308		coiled-coil related protein DEPEST (DEPEST) , com	32120_at	N/A	N/A	1.9	-1.5	-1.6	-2.0	1.5	2.2	5.2			
Z21488		contactin	31809_at	N/A	N/A	1.5	1.3	-24.6	1.6	-1.4	1.2	-2.5			
U04636	A	cyclooxygenase-2 (Cox-2) gene, complete cd	1069_at	N/A	N/A	1.7	-1.6	1.8	14.3	3.1	4.5	4.3			
AF046059		cytokine receptor related protein 4 (CYTOR4)	37509_at	N/A	N/A	1.0	1.2	1.4	2.5	2.0	1.5	1.4			
L40377	A	cytoplasmic antipeptidase 2 (CAP2)	36312_at	N/A	N/A	1.2	1.9	1.5	1.7	2.0	3.1	3.9			
M31516	A	decay-accelerating factor	39895_at	N/A	N/A	-1.2	1.3	1.3	2.0	1.5	1.4	3.8			

GenBank	Accession #	Group	Affymetric Gene Annotation	Affymetric Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
	J00146		dihydrofolate reductase pseudogene (psi-hd1)	31479_f_at	N/A	N/A	-2.3	-1.2	-2.0	-2.3	-1.8	3.0	1.9
	AL050259		DKF Zp547D0710	40521_at	N/A	N/A	1.0	-2.5	-1.9	-2.1	-1.9	-1.6	1.4
	AL080060		DKF Zp564H172	35881_at	N/A	N/A	2.5	-2.8	2.1	1.2	-1.3	-1.7	-1.1
	AL050274	B	DKF Zp566C243	38697_at	N/A	N/A	1.7	-1.6	-2.5	-2.6	-2.4	-2.1	-1.3
	AL080232		DKF Zp586A061	34117_at	N/A	N/A	4.3	-2.4	-1.7	4.6	1.4	1.5	-3.6
	AL050199		DKF Zp586D0923	39282_at	N/A	N/A	-3.1	-2.0	1.3	2.9	-2.0	1.8	1.3
	AL096842	B	DKF Zp586D1519	38013_at	N/A	N/A	1.2	-1.1	-3.3	-1.1	-1.7	-1.8	-2.1
	AL050290	A	DKF Zp586G1923	34304_s_at	N/A	N/A	1.0	1.1	1.0	1.2	1.2	3.4	5.2
	AD000694	B	DNA from chromosome 19-cosmid F30879 containing USF2	38324_at	N/A	N/A	1.1	1.0	-2.2	-1.6	-1.1	-3.0	-1.9
	AL022395		DNA sequence from clone 273N12 on chromosome 8q16.1-16.3	39887_at	N/A	N/A	-2.3	1.6	1.3	3.4	1.3	1.4	6.2
	AL031178	B	DNA sequence from clone 341E18 on chromosome 6p11.2-12.3	38990_at	N/A	N/A	1.4	-1.3	-1.1	-1.1	-1.5	-1.8	-3.1
	Z97054		DNA sequence from PAC 339A18 on chromosome Xp11.2	34373_at	N/A	N/A	-1.3	-1.2	1.5	-2.9	-1.6	-2.6	1.2
	M27826	A	endogenous retroviral protease	34702_f_at	N/A	N/A	1.5	-1.1	1.1	-2.4	1.2	2.5	4.7
	U80770		EST clone 251800 mariner transposon Hsmar1 sequence	31771_at	N/A	N/A	-1.9	1.0	1.0	1.3	-4.6	-4.0	-3.0
	M82827	B	fusion protein	38788_at	N/A	N/A	1.6	-2.2	-1.3	-4.3	-1.7	-2.3	-3.6
	M68891	B	GATA-binding protein (GATA2)	37194_at	N/A	N/A	1.1	1.1	-1.3	1.1	-1.1	1.2	-2.6
	X14487	B	gene acidic (type I) cytokeratin 10	38610_s_at	N/A	N/A	-2.3	-1.2	1.1	-1.3	-1.4	-1.8	-3.9
	X68733	B	gene alpha 1-antichymotrypsin, exon 1	33825_at	N/A	N/A	1.0	1.0	1.5	-1.2	-1.6	-2.3	-3.3
	X05608	B	gene neurofilament subunit NF-L	40995_at	N/A	N/A	-1.4	1.4	-1.5	-1.4	1.2	-1.3	-2.9
	AL035304	B	gene from PAC 295C6, similar to rat PO44	37000_at	N/A	N/A	1.5	1.1	1.0	-1.2	-1.9	-2.2	-2.8
	M55531	B	glucose transport-like 5 (GLUT5)	34362_at	N/A	N/A	1.3	1.0	-1.7	-1.7	-1.9	-4.6	-11.5
	L38933	A	GT198	32577_s_at	N/A	N/A	-1.1	1.4	1.1	1.0	1.5	1.9	2.7
	U41387	A	Gu protein	40490_at	N/A	N/A	-1.6	1.1	1.2	3.6	2.6	3.4	2.4
	L22075		guanine nucleotide regulatory protein (G13)	33635_at	N/A	N/A	1.1	1.1	2.1	8.1	-1.1	-1.6	2.0
	L22075		guanine nucleotide regulatory protein (G13)	1139_at	N/A	N/A	3.9	-1.5	2.7	1.3	-1.4	1.8	1.5
	Z80779	B	H2B19	31822_f_at	N/A	N/A	-1.3	1.0	1.3	-1.3	-1.3	-1.9	-4.2
	AB029343		HCR (a-helix coiled-coil rod homologue)	37425_g_at	N/A	N/A	1.1	1.2	-1.3	-2.7	-1.4	-1.5	1.2
	X51767		heat-shock protein HSP70B	35865_at	N/A	N/A	-4.5	-2.2	1.0	1.7	2.5	1.2	1.2
	M85289	B	heparan sulfate proteoglycan (HSPG2)	32845_at	N/A	N/A	1.4	-1.4	-1.3	-3.5	-2.1	-3.7	-4.4
	L19779	B	histone H2A.2	286_at	N/A	N/A	-1.5	1.3	1.1	-1.2	-1.3	-1.7	-3.5
	U75679	A	histone stem-loop binding protein (SLBP)	36913_at	N/A	N/A	-1.2	1.4	-1.3	2.3	1.6	4.6	2.6
	Z46376	A	HK2 hexokinase II	40964_at	N/A	N/A	1.7	1.0	4.4	1.6	4.7	2.9	3.4
	J04599	B	hPGI encoding bone small proteoglycan I (biglycan)	38126_at	N/A	N/A	-1.4	1.3	1.1	-1.4	-1.2	-1.9	-3.5
	AB015344	B	HRHFB2157	34824_at	N/A	N/A	1.2	-1.1	-3.1	-1.5	-1.4	-2.4	-1.3
	U60644	B	HU-K4	36151_at	N/A	N/A	1.6	-1.1	-1.1	-1.8	-1.4	-3.6	-2.1
	Y12059		HUNK1	39093_s_at	N/A	N/A	-1.5	1.5	1.6	-1.4	-1.4	-3.8	1.6
	U92315	A	hydroxysteroid sulfotransferase SULT2B1b (HSST2)	41034_s_at	N/A	N/A	-1.4	-1.3	1.1	1.2	1.7	1.4	2.8
	X78932	B	HZF9 zinc finger protein	35026_f_at	N/A	N/A	1.5	-1.4	-3.5	1.1	-1.6	-4.1	1.8
	L20826	A	I-plastin	39951_at	N/A	N/A	1.2	1.2	-1.3	1.9	2.5	2.1	1.6
	AF070523	B	JWA protein	39091_at	N/A	N/A	1.0	1.3	-1.4	1.1	-1.2	1.1	-3.4
	AB007870	A	KIAA0410	40018_at	N/A	N/A	-1.6	1.0	-1.2	4.4	1.7	2.5	18.6
	AB007871	B	KIAA0411	37863_at	N/A	N/A	1.0	1.2	-1.4	-1.1	-1.3	-1.5	-4.2
	AB007881		KIAA0421	32637_f_at	N/A	N/A	-9.2	-1.1	-8.9	2.8	-8.5	1.1	10.0
	AB007893	A	KIAA0433	35167_at	N/A	N/A	-1.5	-1.9	-1.4	2.9	1.6	1.6	1.1
	AB007895		KIAA0435	39650_s_at	N/A	N/A	-1.7	1.0	3.5	-1.6	1.1	-1.2	1.1
	U56816		kinase Myt1 (Myt1)	480_at	N/A	N/A	1.0	1.0	1.5	-2.2	1.2	1.1	3.5
	AF001461	A	Kruppel-like zinc finger protein Z19	37026_at	N/A	N/A	-1.3	1.1	1.4	1.9	1.6	2.8	3.4
	AF023676	B	lamin B receptor homolog TM7SF2 (TM7SF2)	35628_at	N/A	N/A	-1.6	1.0	-1.3	-1.8	-2.7	-1.8	-4.5
	L37747	A	lamin B1 gene	37985_at	N/A	N/A	1.9	1.3	1.3	2.0	3.8	4.4	5.2
	L34155	A	laminin-related protein (LamA3)	37909_at	N/A	N/A	1.5	1.1	1.1	1.5	1.9	1.8	2.7
	AF063020	A	lens epithelium-derived growth factor , complete cd	37622_r_at	N/A	N/A	1.5	2.2	-1.2	1.2	1.4	1.6	2.8
	M20560	A	lipocortin-III	31792_at	N/A	N/A	-1.3	-1.5	-1.4	1.6	2.2	2.8	5.3
	D90041		liver arylamine N-acetyltransferase (EC 2.3.1.5)	38187_at	N/A	N/A	6.0	1.1	-2.7	1.0	-2.0	-2.3	1.6
	X15525	B	lysosomal acid phosphatase gene (EC 3.1.3.2)	36651_at	N/A	N/A	1.3	-1.2	-1.5	-1.8	-1.7	-2.7	-1.8
	M63256	A	major Yo paraneoplastic antigen (CDR2)	36190_at	N/A	N/A	1.1	1.4	-1.1	2.7	2.1	1.8	2.8
	AF071219		mammaglobin B precursor	41066_at	N/A	N/A	-6.1	-1.3	1.6	1.8	-1.2	-1.2	-1.2
	U68385		Meis1-related protein 2 (MRG2)	37486_f_at	N/A	N/A	1.4	1.4	1.7	2.7	1.2	1.5	1.2
	U40434	B	mesothelin or CAK1 antigen precursor	32072_at	N/A	N/A	-1.1	-1.3	-1.3	-1.7	-1.3	-2.7	-1.4
	AF072242		methyl-CpG binding protein MBD2 (MBD2)	33905_at	N/A	N/A	-1.1	1.0	-2.6	1.2	-1.1	1.3	-1.1
	U22233	A	methylothioadenosine phosphorylase (MTAP)	38150_at	N/A	N/A	-1.7	1.1	-1.1	2.3	2.2	2.3	6.8
	M59830		MHC class III HSP70-2 gene (HLA)	31892_at	N/A	N/A	1.1	-1.2	1.5	1.2	2.1	2.2	-4.7
	U37283	A	microfibril-associated glycoprotein-2 MAGP-2 , complete cds	36513_at	N/A	N/A	4.1	4.1	3.2	-1.1	1.1	1.0	8.4
	U04735	A	microsomal stress 70 protein ATPase core (stch)	38677_at	N/A	N/A	-1.1	1.4	2.4	2.2	2.0	2.4	4.6
	AF053306	A	mitotic checkpoint kinase Mad3L (MAD3L) , complete cds	35699_at	N/A	N/A	1.8	-1.3	1.7	1.3	4.1	5.0	6.3
	AF058056		monocarboxylate transporter 2 (hMCT2)	35547_at	N/A	N/A	1.1	2.1	1.5	2.5	-1.1	1.2	1.2
	M93056	A	monocyte/neutrophil elastase inhibitor	33305_at	N/A	N/A	-1.3	-1.1	1.6	1.4	1.3	3.3	4.9
	U85943		mRNA-associated protein mmp41	32759_at	N/A	N/A	1.1	-2.0	-1.8	-3.7	8.7	2.2	1.8
	AF055993		mSin3A associated polypeptide p30	40992_s_at	N/A	N/A	1.2	1.2	-2.1	7.7	-1.2	-1.3	14.7
	AF055993		mSin3A associated polypeptide p30	40993_r_at	N/A	N/A	1.8	-2.1	1.1	-1.6	1.2	1.0	4.1
	AF039656	B	neuronal tissue-enriched acidic protein (NAP-22) ,	32607_at	N/A	N/A	-1.4	1.3	-1.3	-1.6	-1.3	-1.4	-6.7
	U08021	A	nicotinamide N-methyltransferase (NNMT)	37032_at	N/A	N/A	1.3	1.4	1.5	1.4	1.7	2.7	2.1
	M30269	B	nidogen	35366_at	N/A	N/A	-3.2	-1.6	-4.9	-2.5	-2.2	-6.3	-8.7
	M95178	A	non-muscle alpha-actinin	39330_s_at	N/A	N/A	1.3	-1.1	1.4	1.3	2.0	2.2	3.8
	U77413		O-linked GlcNAc transferase	38614_s_at	N/A	N/A	1.2	-1.1	1.2	3.0	1.2	-1.3	1.3
	U67784	B	orphan G protein-coupled receptor (RDC1)	34288_at	N/A	N/A	-1.8	-2.0	-3.6	-1.7	-2.6	-9.9	-16.7
	AC004849		PAC clone DJ0659J06 from 7q33-q35	32810_at	N/A	N/A	1.3	2.4	1.4	7.9	-6.3	-9.5	3.7
	AC004940		PAC clone DJ0978E18 from 7p21	35007_at	N/A	N/A	1.5	-1.6	-1.3	2.7	-1.1	1.1	2.9
	L20971		phosphodiesterase	33705_at	N/A	N/A	-1.4	-5.4	-8.2	-1.9	-1.3	-2.2	-3.2
	M23410	B	plakoglobin (PLAK)	2047_s_at	N/A	N/A	1.0	-1.4	-1.3	-2.1	-1.8	-3.3	-1.3

GenBank			Affymetrix			Fold Change						
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
U89278		polyhomeotic 2 homolog (HPH2)	36960_at	N/A	N/A	1.6	-1.9	1.2	1.0	1.1	-1.2	5.7
J05581	B	polymorphic epithelial mucin (PEM)	38783_at	N/A	N/A	1.2	-1.4	-1.3	-2.7	-1.5	-1.5	-2.0
U62767		PP35	38346_at	N/A	N/A	-1.2	1.3	1.1	2.6	1.2	-1.1	2.0
X75755		PR264 gene	36111_s_at	N/A	N/A	1.4	1.0	-5.4	1.6	1.8	1.0	1.6
X75755		PR264 gene	36112_r_at	N/A	N/A	1.4	1.0	-5.4	1.6	1.8	1.0	1.6
U02020	A	pre-B cell enhancing factor (PBEF)	33849_at	N/A	N/A	1.7	1.0	1.4	2.8	1.5	1.1	2.6
U29185	A	prion protein (PrP) gene	36159_s_at	N/A	N/A	-1.2	1.4	-1.3	2.4	2.0	2.5	3.1
L07590	B	protein phosphatase 2A 130 kDa regulatory subunit	35211_at	N/A	N/A	-1.4	1.5	-1.2	-1.1	-2.2	-2.6	-3.7
X53795		R2 an inductible membrane protein	32247_at	N/A	N/A	1.3	-1.2	2.9	1.0	1.1	1.4	1.4
AF098638		rabaptin4	32742_s_at	N/A	N/A	7.0	-1.2	2.4	1.6	1.5	1.9	1.7
AF060219	B	RCC1-like G exchanging factor RLG	35193_at	N/A	N/A	1.1	1.3	-2.2	-1.3	1.2	-3.1	2.7
U89387		RNA polymerase II subunit hsRPB4 gene	33726_at	N/A	N/A	1.9	-2.0	-1.1	1.6	1.1	1.0	-2.9
U90547	B	Ro/SSA ribonucleoprotein homolog (RoRet)	35341_at	N/A	N/A	1.0	1.3	-1.4	1.0	-1.2	-1.1	-4.3
U02882	A	rolipram-sensitive 3,5-cyclic AMP phosphodiesterase	38826_at	N/A	N/A	1.3	1.0	1.5	1.7	1.2	1.2	2.5
AB012130		SBC2 sodium bicarbonate cotransporter2	34936_at	N/A	N/A	-1.2	1.0	1.6	2.8	2.4	1.3	2.3
AF038966		secretory carrier-associated membrane protein (SCAMP)	38849_at	N/A	N/A	1.4	-1.1	1.1	3.0	1.4	1.3	1.0
U29091	B	selenium-binding protein (hSBP)	37405_at	N/A	N/A	1.7	1.0	-1.4	-1.6	-1.9	-4.0	-2.5
AF042081	B	SH3 domain binding glutamic acid-rich-like protein	39714_at	N/A	N/A	-1.2	-1.2	-1.3	1.0	-1.5	-1.4	-2.5
U37146		silencing mediator of retinoid and thyroid hormone action (SMRT)	39384_at	N/A	N/A	1.0	-1.1	-1.2	-2.7	-1.2	-1.2	-1.2
M21302	A	small proline rich protein (sprl) , clone 174N	36734_at	N/A	N/A	-1.3	1.1	-1.7	1.1	2.5	1.7	6.5
U19557	B	squamous cell carcinoma antigen 2 (SCCA2)	1549_s_at	N/A	N/A	4.0	1.5	1.0	1.4	1.1	-1.8	-3.3
M25077	A	SS-A/Ro ribonucleoprotein autoantigen 60 kd subunit	35294_at	N/A	N/A	-1.4	1.0	1.1	2.7	1.8	3.7	1.7
M25077	A	SS-A/Ro ribonucleoprotein autoantigen 60 kd subunit	35295_g_at	N/A	N/A	1.2	-1.3	-1.1	3.3	1.5	2.5	2.0
X82200	B	Slaf50	36825_at	N/A	N/A	-1.2	1.0	1.1	1.0	-3.2	-1.8	-3.4
AF039558	B	synaptic glycoprotein-SC2 spliced variant	38986_at	N/A	N/A	1.7	-1.1	-1.2	-2.5	-2.0	-2.9	-2.1
AF039945	A	synaptotagmin 2B	36532_at	N/A	N/A	-1.5	1.1	1.8	2.4	2.3	2.6	1.9
AF049910	A	TACC1 (TACC1)	40841_at	N/A	N/A	1.2	1.6	-1.3	1.9	2.0	3.4	6.0
M74089		TB1 gene	37178_at	N/A	N/A	2.9	1.0	-1.3	2.0	1.0	1.7	-1.7
AF087142		TED protein (TED)	36807_at	N/A	N/A	4.4	-1.1	-1.9	1.6	2.6	1.4	3.5
U18271	A	thymopoietin (TMPO)	32882_at	N/A	N/A	4.4	-1.3	1.8	1.0	2.0	2.5	6.7
L40371		thyroid receptor interactor (TRIP4)	41611_at	N/A	N/A	1.1	1.6	-1.6	-1.2	-2.7	1.0	1.0
U07802	A	Tis1d gene	32587_at	N/A	N/A	-1.3	1.3	1.5	2.1	2.6	3.6	2.3
M55630	A	topoisomerase I pseudogene 2	31680_at	N/A	N/A	-1.3	1.0	1.5	3.6	2.4	2.2	2.4
M62831	A	transcription factor ETR101	36097_at	N/A	N/A	-1.4	1.3	1.7	1.4	1.9	2.0	3.1
AF064804		transcription factor SUPT3H (SUPT3H)	33205_at	N/A	N/A	-1.6	5.5	1.4	-1.6	1.7	-1.6	-1.3
M23161	A	transposon-like element	38727_at	N/A	N/A	-1.6	1.3	1.2	3.3	1.7	1.9	1.4
U54644		tub homolog	34600_s_at	N/A	N/A	1.4	1.1	8.7	-1.3	-1.3	1.1	-1.5
AF045583		tubby like protein 3 (TULP3)	31942_at	N/A	N/A	2.8	1.4	1.6	-1.1	-1.3	1.6	1.2
AF040984		unknown protein IT1	34482_at	N/A	N/A	1.1	1.8	1.0	2.5	1.3	2.5	1.7
Y12661		vfg gene	32969_r_at	N/A	N/A	-1.3	1.5	1.9	1.4	1.8	1.3	3.0
AF039555	B	visinin-like protein 1 (VSNL1)	34281_at	N/A	N/A	-1.7	-1.2	-1.2	-1.1	-1.4	-2.1	-2.6
X80507		ZNF65	37879_at	N/A	N/A	2.1	-1.3	2.7	1.0	1.2	1.5	2.4
L32164		zinc finger protein	35102_at	N/A	N/A	-2.7	1.0	4.0	1.7	1.8	-13.3	-1.5
U09848	B	zinc finger protein (ZNF139)	41713_at	N/A	N/A	1.2	-1.3	-1.8	-2.5	-2.3	-2.6	-1.9
AF067656		ZW10 interactor Zwint	35995_at	N/A	N/A	1.3	1.3	-1.3	1.0	3.3	5.5	3.9
L40396		(clone s22i71) fragment	33928_r_at	N/A	N/A	-4.1	-1.9	2.2	5.6	1.0	1.8	-1.8
W26667	A	11a1 cDNA	33325_at	N/A	N/A	1.5	1.2	-1.3	1.8	3.7	3.3	7.6
W25866		14c12 cDNA	40348_s_at	N/A	N/A	1.1	2.2	-2.1	2.0	1.9	1.9	2.6
W26851		17b12 cDNA	38864_at	N/A	N/A	2.9	-1.6	-5.1	1.2	1.9	2.7	1.6
W25984		17e5 cDNA	32130_at	N/A	N/A	-1.1	1.1	1.3	-2.9	-1.4	-1.2	-3.4
W26099	B	22f11 cDNA	34812_at	N/A	N/A	1.4	-1.1	-1.4	-1.5	-1.3	-3.3	-1.5
W27541	B	32c12 cDNA	34776_at	N/A	N/A	1.0	-1.6	-1.5	-2.2	-4.2	-2.0	-2.9
W27549	B	32d11 cDNA	32963_s_at	N/A	N/A	-1.2	1.1	-1.1	-1.4	-1.5	-2.3	-2.7
W27619		35c7 cDNA	41356_at	N/A	N/A	1.3	1.3	2.0	1.3	-1.1	-2.1	-2.6
W27666	A	36a5 cDNA	34662_at	N/A	N/A	1.4	-1.7	3.3	2.1	1.3	1.2	3.0
W27675		36b3 cDNA	31665_s_at	N/A	N/A	1.6	1.4	3.4	2.1	1.9	1.5	-1.5
W27858		39e3 cDNA	31535_i_at	N/A	N/A	-2.3	1.2	1.2	1.3	-2.8	-2.0	-1.5
W27779		40d4 cDNA	36347_at	N/A	N/A	-1.8	-1.3	2.6	-1.1	1.4	-1.1	1.0
W28170		43a12 cDNA	40888_f_at	N/A	N/A	-2.6	1.2	3.5	-1.2	1.2	-2.7	1.4
W28193		43d12 cDNA	31668_f_at	N/A	N/A	-1.6	-1.5	2.7	2.5	-1.5	-1.6	3.3
W28299	B	44h4 cDNA	35361_at	N/A	N/A	1.4	-1.3	1.0	-2.0	-1.9	-2.9	-2.4
W28214		45f7 cDNA	39715_at	N/A	N/A	-1.1	1.1	-2.7	-1.4	1.3	1.0	1.6
W28479		47d8 cDNA	37758_s_at	N/A	N/A	-1.4	1.4	1.0	1.5	1.7	2.7	-1.2
W28281	B	47e7 cDNA	35785_at	N/A	N/A	-1.1	1.1	-1.1	-1.7	-3.9	-4.7	-4.9
W28438	B	47g10 cDNA	36497_at	N/A	N/A	1.1	-1.1	-1.5	-1.7	-1.3	-2.2	-2.8
W28493		47h11 cDNA	39464_at	N/A	N/A	-2.1	1.1	2.7	1.2	1.5	2.9	-1.2
W28518		48a1 cDNA	39484_at	N/A	N/A	-1.5	-1.1	2.2	1.0	-1.7	5.7	1.1
W28558		48f7 cDNA	34149_at	N/A	N/A	2.7	1.0	1.4	2.1	-1.2	-1.2	1.5
W28610		49b12 cDNA	38941_s_at	N/A	N/A	1.1	2.2	1.6	1.0	-3.6	1.5	3.4
W28612	B	49b3 cDNA	33328_at	N/A	N/A	-1.1	2.1	-1.3	-1.7	-1.7	-2.9	-8.7
W28740		51a5 cDNA	32379_f_at	N/A	N/A	-2.2	1.3	2.1	1.3	3.7	5.2	-2.4
W28931	B	56f3 cDNA	38449_at	N/A	N/A	1.0	-1.2	-1.1	-1.8	-1.4	-2.8	-1.4
AA780435		ae93d06 s1 cDNA	38926_at	N/A	N/A	-1.1	-1.1	18.9	-1.1	1.0	-3.0	3.1
AA868268	A	ak40a05 s1 cDNA	40574_at	N/A	N/A	1.0	1.1	2.3	2.4	2.6	2.4	2.2
S63912		D10S102=FBRNP	33317_at	N/A	N/A	1.9	2.8	-1.6	1.9	2.8	2.1	1.3
AL022312		dJ1104E16.2 activating transcription factor 4	41235_at	N/A	N/A	-1.3	-1.2	1.2	-1.2	-1.1	1.2	3.0
Z98046	B	dJ14C9.2 (Melanoma-Associated Antigen MAGE LIKE)	34860_g_at	N/A	N/A	-1.1	-1.1	1.2	-1.1	-1.7	-1.5	-2.6
AL021397		dJ69E11.3 (Yeast YPR037W and worm C02C2.6 predicted proteins L	33035_at	N/A	N/A	-1.3	1.7	1.3	2.5	2.2	1.4	-1.1
AL080196		DKFZp434C212	40802_at	N/A	N/A	-1.2	1.2	-1.1	1.1	1.0	4.2	-1.2

GenBank			Affy			Fold Change						
Accession #	Group	Affymeric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
AL041124		DKFZp434D0316_s1	32502_at	N/A	N/A	-1.3	-1.2	1.9	-3.0	-1.2	-1.8	-2.4
AL080130		DKFZp434E033	40530_at	N/A	N/A	-1.3	-1.3	1.2	1.2	1.0	2.8	-1.9
AL041879	A	DKFZp434H0419_r1	33165_at	N/A	N/A	1.3	1.1	-1.1	1.3	1.1	1.4	3.4
AL096570		DKFZp434H244	34969_s_at	N/A	N/A	1.3	1.3	-1.5	-2.6	-2.0	-2.1	-1.4
AL080156	A	DKFZp434J214	39411_at	N/A	N/A	-1.5	1.5	2.0	1.9	1.9	2.8	1.5
AL049923		DKFZp547E2210	32119_at	N/A	N/A	-1.3	1.0	1.9	2.9	1.5	-1.2	1.6
AL049974		DKFZp564B222	39470_at	N/A	N/A	1.4	1.4	2.2	5.4	1.9	2.7	1.2
AL050389		DKFZp564F013	34910_s_at	N/A	N/A	1.1	-1.7	1.3	3.0	1.0	1.0	2.2
AL049266		DKFZp564F093	38857_r_at	N/A	N/A	1.3	-1.3	-1.6	1.6	8.9	17.7	-1.5
AL080101		DKFZp564L0472	39128_at	N/A	N/A	1.1	1.0	-2.6	1.1	1.9	-1.4	-1.2
AL049851	A	DKFZp564O0122	33373_at	N/A	N/A	1.3	-1.3	-1.7	1.5	2.9	2.4	4.1
AL050002	B	DKFZp564O222	38312_at	N/A	N/A	1.1	-1.2	-1.5	-2.0	-1.3	-1.6	-3.0
AL050066	A	DKFZp566O133	36318_at	N/A	N/A	1.3	1.0	1.8	3.4	2.2	2.3	2.6
AL050159	B	DKFZp568A0522	38717_at	N/A	N/A	-1.2	1.3	1.1	-1.1	-2.5	-2.4	-9.1
AL049423		DKFZp568B211	32119_at	N/A	N/A	1.0	-1.4	1.3	1.0	-1.1	-12.6	-1.9
AL080235	A	DKFZp568E1621	35692_at	N/A	N/A	1.3	-1.3	-2.0	1.7	2.3	1.9	3.0
AL050173		DKFZp568F0422	32107_at	N/A	N/A	1.3	-1.3	3.2	3.1	1.9	1.6	1.1
AL050128		DKFZp568G051	38318_at	N/A	N/A	1.2	1.4	-2.5	2.5	1.4	1.3	-2.3
AL080110	A	DKFZp568G1922	39600_at	N/A	N/A	1.6	1.4	1.1	1.8	1.8	2.2	6.6
AL080213	B	DKFZp568I1823	36092_at	N/A	N/A	1.1	1.8	-1.6	-1.2	-1.3	-1.3	-2.8
AL050110		DKFZp568J0619	39022_at	N/A	N/A	1.0	-1.6	-1.3	-3.4	-1.5	-1.2	-1.4
AL049382	A	DKFZp568K1318	36551_at	N/A	N/A	-1.1	1.0	-1.1	1.6	1.2	2.2	3.3
AL050396		DKFZp568K1720	32749_s_at	N/A	N/A	1.3	-1.2	-1.8	-2.0	1.1	-1.2	2.6
AL049389	A	DKFZp568O0118	36070_at	N/A	N/A	1.3	-1.1	-5.7	-2.8	10.9	2.2	16.5
AL050114		DKFZp568P2219	38502_at	N/A	N/A	-1.2	-1.9	1.2	1.1	-2.7	-1.9	-1.6
U72206		guanine nucleotide regulatory factor (LFP40)	40100_at	N/A	N/A	-1.1	-1.5	3.0	1.1	1.4	1.1	3.7
U51694		HSU51694 cDNA /gb=U51694 /gi=1255286 /ug=Hs.220798 /len=1000	33364_at	N/A	N/A	-1.1	1.6	-1.3	-4.7	-10.2	1.9	-9.7
U51712		HSU51712 cDNA /gb=U51712 /gi=1255282 /ug=Hs.13775 /len=1000	39698_at	N/A	N/A	-6.6	1.3	1.2	1.4	-1.3	1.2	2.5
U51713		HSU51713 cDNA	31629_at	N/A	N/A	-2.2	-2.4	2.1	5.3	1.0	-2.8	1.2
U55980		HSU55980	38991_at	N/A	N/A	1.5	2.6	1.1	-1.8	1.0	-1.1	1.0
D11958		HUM0S11H12 cDNA	32429_f_at	N/A	N/A	-1.3	1.1	-1.1	1.4	1.1	-2.6	1.4
AA586695		nn42h06.s1 cDNA	34059_at	N/A	N/A	1.4	-1.2	1.7	-1.1	1.0	-3.7	1.1
AA650210	A	ns88b12.s1 cDNA	37476_at	N/A	N/A	1.1	-1.6	1.9	2.2	3.8	2.6	1.9
AA873858	B	oh79b10.s1 cDNA	36347_f_at	N/A	N/A	1.0	1.1	1.7	-1.3	-1.3	-1.5	-3.8
AA904505	B	ol26b03.s1 cDNA	35598_at	N/A	N/A	-1.3	1.1	1.0	-1.1	1.0	-1.7	-2.8
AA933984		on95f04.s1 cDNA	39506_at	N/A	N/A	-1.2	-1.1	-12.6	4.4	2.6	2.6	1.9
AI141670	B	ot08b12.x1 cDNA	40175_at	N/A	N/A	1.3	1.1	1.3	-1.5	-1.3	-3.1	-1.1
AI040379	B	ox16c05.x1 cDNA	33017_at	N/A	N/A	-2.0	2.7	-1.5	1.3	-1.5	-1.3	-29.6
AI057607		oy31e07.x1 cDNA	37316_r_at	N/A	N/A	-2.4	-3.4	1.8	2.4	1.0	-1.1	-1.3
AI097085		oz22c10.x1 cDNA	38245_i_at	N/A	N/A	4.6	-1.5	-20.3	16.2	17.7	1.1	-2.9
AI123426		qa84c09.x1 cDNA	33861_at	N/A	N/A	-2.8	1.0	1.4	-1.1	-1.1	1.6	-1.1
AI140114	A	qa85c06.x1 cDNA	41824_at	N/A	N/A	-1.5	1.1	1.0	2.3	1.5	2.9	1.5
AI138605	B	qc31e09.x1 cDNA	35143_at	N/A	N/A	1.0	1.5	1.2	-1.8	-1.9	-2.2	-3.9
AI126004		qc50e12.x1 cDNA	33150_at	N/A	N/A	1.1	1.2	1.4	3.3	1.8	1.3	1.0
S66896	B	squamous cell carcinoma antigen=serine protease inhibitor	1343_s_at	N/A	N/A	-1.5	1.3	-1.7	1.0	1.1	1.3	-2.6
AI375033		ta66e10.x1 cDNA	37883_i_at	N/A	N/A	-1.1	1.1	1.4	2.9	-1.1	1.2	-1.2
AI37607		tb15h10.x1 cDNA	32509_at	N/A	N/A	1.2	1.4	2.7	1.1	2.0	1.4	1.1
AI378632		tc72g11.x1 cDNA	41303_r_at	N/A	N/A	-1.4	-1.9	20.0	2.7	-1.4	-2.4	4.7
AI381790	B	te41h10.x1 cDNA	32527_at	N/A	N/A	-1.5	1.0	-1.1	-1.7	-2.0	-2.0	-2.8
AI400011		tg85a05.x1 cDNA	40257_at	N/A	N/A	-1.2	-1.6	1.5	1.2	-6.9	-1.9	-1.3
AI624840		ts71g11.x1 cDNA	33492_at	N/A	N/A	-4.6	-1.2	2.8	-3.1	4.5	2.0	-1.3
AI656421		tt50h10.x1 cDNA	41809_at	N/A	N/A	1.3	1.2	-1.4	2.6	1.1	1.5	1.5
AI810767		tu04d02.x1 cDNA	34247_at	N/A	N/A	-4.2	1.0	1.3	-1.2	-9.1	-7.5	-1.8
SE9790		tumor suppressor (3' region)	1058_at	N/A	N/A	1.0	1.5	-1.6	2.2	2.8	1.4	1.0
AI635895		tz82a07.x1 cDNA	36629_at	N/A	N/A	1.1	1.1	-1.7	-2.5	-2.6	-2.5	-1.3
AI688098	B	wc82h08.x1 cDNA	32980_f_at	N/A	N/A	1.0	1.2	1.3	-1.5	-1.4	-1.5	-2.7
AI700633		we38g03.x1 cDNA	34840_at	N/A	N/A	-1.5	1.6	1.0	1.6	1.9	2.7	1.0
AI690929	B	wf20a09.x1 cDNA	41871_at	N/A	N/A	1.0	-1.1	-1.1	-1.2	-1.2	-2.3	-3.0
AI743654		wg41d01.x1 cDNA	40244_s_at	N/A	N/A	1.1	-1.2	-2.4	1.6	-1.2	-1.4	-3.0
AI885852		wf62d08.x1 cDNA	32609_at	N/A	N/A	-2.4	1.5	1.1	-1.5	-1.4	-1.1	-3.6
AI835420	A	wo84c08.x1 cDNA	39823_at	N/A	N/A	1.0	-1.1	-1.2	3.5	3.2	1.6	1.1
AI928387		wc96f10.x1 cDNA	33225_at	N/A	N/A	-1.2	1.0	1.5	-1.5	-1.3	-3.0	-1.9
AW052084	B	wy86f07.x1 cDNA	33193_at	N/A	N/A	1.2	-1.1	1.0	-1.1	-1.8	-3.6	-3.3
T83979		yd66a11.s1 cDNA	39228_at	N/A	N/A	-1.3	1.4	1.4	3.0	-1.4	1.0	1.2
H10776		ym07h11.1.c1 cDNA	39560_at	N/A	N/A	1.4	1.2	2.2	1.4	-1.1	1.3	-2.5
H16917	B	ym39e02.r1 cDNA	39879_s_at	N/A	N/A	1.1	-1.1	1.3	1.1	-1.3	-1.7	-2.5
AI668626		yo63b04.x5 cDNA	37803_at	N/A	N/A	-1.1	1.4	-5.4	1.7	1.5	-1.7	3.6
N58115		yy65a01.s1 cDNA	38940_at	N/A	N/A	-8.9	2.6	-3.7	5.3	14.3	6.9	10.2
N36638		yx88f05.r1 cDNA	39366_at	N/A	N/A	-1.3	1.0	-2.5	1.1	1.0	-1.4	-1.9
AA009569	A	zfo4h03.r1 cDNA	40943_at	N/A	N/A	1.1	-1.1	1.0	3.5	1.7	1.2	1.5
AA129726		zli16g09.s1 cDNA	40197_at	N/A	N/A	1.0	2.3	1.0	-1.1	1.9	-1.1	-3.2
AA128249	B	zli29d09.r1 cDNA	38430_at	N/A	N/A	1.4	1.6	-1.6	1.2	-1.5	-1.7	-9.8
AA14302		zli48a07.r1 cDNA	39289_at	N/A	N/A	-1.2	1.3	2.6	4.2	1.6	1.4	1.3
AA151971		zo30b03.r1	34704_r_at	N/A	N/A	1.5	1.6	1.5	-1.8	1.5	-3.3	1.0
AA151971	A	zo30b03.r1 cDNA	34703_f_at	N/A	N/A	1.7	-1.3	-1.1	-2.0	1.2	2.7	4.9
AA160708		zo72c02.r1 cDNA	32203_at	N/A	N/A	1.1	-1.1	1.1	-1.2	1.2	-1.4	2.5
AA216639		zq95f07.s1 cDNA	32163_f_at	N/A	N/A	3.1	1.1	-1.1	-1.2	-1.7	-1.4	1.1
AA255502	A	zr58b06.r1 cDNA	39889_at	N/A	N/A	1.4	1.2	-1.9	-1.6	2.5	6.6	6.0
AA398463	A	zli62e11.s1 cDNA	41334_r_at	N/A	N/A	-1.4	-1.8	-1.8	5.7	2.1	1.0	2.5

GenBank			Affymetrix			Fold Change						
Accession #	Group	Affymetric Gene Annotation	Probe set id	GO id	GO Biological Process	0	4	6	8	12	16	24
		18S rRNA gene				-4.7	1.0	3.6	4.0	2.2	1.9	-1.3
	A	Dihydrofolate Reductase, Alt. Splice 6				1.5	1.3	1.3	-1.1	1.1	2.7	3.2
		Fibroblast Growth Factor Receptor K-Sam, Alt. Splice 3, K-Sam III				-1.7	1.1	1.3	-1.4	-2.8	1.0	2.9
		Fibronectin, Alt. Splice 1				1.9	-1.1	1.1	-2.6	1.1	-1.6	1.7
	B	Guanine Nucleotide Exchange Factor 1				1.7	-1.4	-1.6	1.0	1.2	-3.2	-2.5
	B	Mucin 1, Epithelial, Alt. Splice 9				1.4	-1.4	-1.6	-3.4	-1.9	-2.1	-1.7
		Neurofibromatosis 2 Tumor Suppressor				-4.5	1.1	1.5	-1.1	-1.3	2.1	1.2
		Oncogene Tis/Chop, Fusion Activated				-1.3	1.7	-2.9	-1.5	-3.6	1.1	24.4
	A	Proto-Oncogene C-Myc, Alt. Splice 3, Orf 114				1.3	-1.4	1.7	1.9	1.3	1.1	3.8
		Rad2				-1.2	1.0	-1.1	1.8	6.5	9.0	3.8
		Rad2				-1.2	1.0	-1.8	-1.1	4.2	6.9	2.3
		Retinoblastoma 1				2.7	1.1	1.8	1.0	1.1	-1.4	-1.1
	A	Spermidine/Spermine N1-Acetyltransferase, Alt. Splice 2				1.1	-1.5	1.0	-1.1	1.1	1.9	4.6
		Tyrosine Kinase Fer				10.6	-1.2	13.1	3.7	1.7	-6.9	1.9
	A	Tyrosine Phosphatase, Epsilon				1.9	1.1	3.5	2.5	2.2	2.3	3.0
		Mucin 3, Intestinal				1.1	-1.6	-2.1	1.1	-1.1	-1.3	-2.7
		transferrin receptor				3.5	1.7	2.8	1.9	1.0	1.4	-3.7

Table S4. Genes differentially expressed 4.5 fold or greater. A subset of genes from Table 3 that were differentially expressed 4.5 fold or more at one or more timepoints. Genbank accession numbers corresponding to elements on the U95A array, gene annotation and fold change in mRNA abundance in rAd MEK1EE infected cells relative to LacZ infected MCF-12A cells is shown for the time points indicated. Positive numbers and negative numbers indicate fold up and down regulation, respectively. Genes cited in the text are indicated in italics.

Supplemental Table 4
Group A & B Genes differentially expressed ≥ 4.5 fold in
rAd MEK1EE vs rAd Lac-Z infected cells^{1,2,3}

Accession#	Gene Annotation	Hours Post Infection						
		0	4	6	8	12	16	24
Intracellular Signalling								
AB013382	<i>DUSP6</i>	1.2	1.2	16.2	24.1	26.3	31.3	143.4
U15932	<i>dual-specificity protein phosphatase</i>	1.1	0.9	4.1	4.3	3.2	4.9	24.0
M86699	Human kinase (TTK)	1.7	1.2	0.7	2.5	6.0	7.2	11.3
Y13115	SAK serine/threonine protein kinase	3.5	0.5	0.2	9.4	14.1	14.2	8.8
AF039843	Sprouty 2 (SPRY2)	1.3	1.3	3.1	4.5	3.0	6.0	8.3
U59877	low-Mr GTP-binding protein (RAB31)	0.7	0.9	0.9	0.8	1.6	1.5	7.7
M23379	GTPase-activating protein ras p21 (RASA)	0.8	1.5	1.7	3.5	3.2	3.7	5.6
AF011468	<i>serine/threonine kinase (BTAK)</i>	1.0	1.4	1.1	1.0	1.6	2.7	4.9
U48807	<i>MAP kinase phosphatase (MKP-2)</i>	1.1	0.6	10.3	5.5	4.3	4.9	4.3
AF001862	FYN binding protein	-1.9	-0.8	-3.3	-1.2	-1.8	-3.1	-20.9
U67784	orphan G protein-coupled receptor (RDC1)	-1.8	-2.0	-3.6	-1.7	-2.6	-9.9	-16.7
Y11312	phosphoinositide 3-kinase C2 Beta	-0.7	-0.8	-2.0	-2.8	-3.0	-3.6	-9.8
U02390	adenylyl cyclase-associated protein homolog CAP2	-2.0	-1.0	-1.1	-1.4	-2.0	-0.7	-8.2
L07590	protein phosphatase 2A 130 kDa regulatory subunit	-0.6	-0.9	-1.7	-1.2	-2.9	-4.4	-6.7
AF068180	B cell linker protein BLNK	-1.2	-0.4	-0.8	-1.1	-2.5	-2.2	-5.9
L37882	frizzled gene product	-0.6	-1.6	-1.0	-3.2	-2.7	-5.3	-3.6
D83492	Eph-family protein	-1.1	-1.6	-1.1	-1.9	-2.2	-5.3	-2.4
D88532	p55pik	-0.6	-1.1	-0.7	-0.8	-1.9	-4.7	-1.9
M34309	<i>epidermal growth factor receptor (HER3)</i>	-1.0	-1.6	-1.4	-2.3	-1.7	-5.1	-1.5
Growth Factors and Cytokines								
M60278	<i>heparin-binding EGF-like growth factor</i>	1.3	1.5	2.7	1.8	2.3	2.8	33.8
D30783	<i>epiregulin</i>	0.6	2.1	5.3	13.1	11.1	3.2	13.5
M30704	<i>amphiregulin (AR)</i>	1.0	0.8	2.3	1.5	2.3	3.9	11.0
X70340	<i>transforming growth factor alpha</i>	0.7	0.7	1.6	3.9	3.7	4.5	8.5
M34057	transforming growth factor-beta 1 binding protein	0.9	1.1	0.7	0.7	2.9	3.5	5.8
X59065	<i>FGF</i>	-1.0	-0.9	-1.6	-1.3	-7.8	-2.7	-9.1
Transcription								
AB028021	<i>HNF-3beta mRNA for hepatocyte nuclear factor-3 beta</i>	1.7	1.6	9.3	1.9	13.5	14.5	18.2
X96381	erm gene, exon 2,3,4,5	1.2	1.2	1.3	3.3	4.8	8.0	14.2
L39060	transcription factor SL1	0.5	0.8	1.0	3.0	2.6	4.1	7.3
V01512	<i>cellular oncogene c-fos</i>	0.8	1.8	2.9	4.7	7.1	6.4	5.1
X66087	a-myb	1.1	1.5	2.7	0.8	27.3	3.9	2.4
X63741	H.sapiens pilot mRNA	1.2	0.8	0.8	4.1	32.3	1.0	1.5
AF055376	short form transcription factor C-MAF (c-maf)	-1.4	-0.6	-4.0	-2.1	-2.3	-6.2	-17.5
X16281	zinc finger protein (clone 431)	-0.2	-1.4	-2.3	-1.2	-1.9	-3.0	-10.9
AF055376	short form transcription factor C-MAF (c-maf)	-1.6	-0.4	-7.1	-3.3	-2.4	-5.8	-6.7
M26679	homeobox protein (HOX-1.3)	-0.9	-1.1	-1.5	-0.9	-1.7	-3.6	-5.8
AF040963	<i>Mad4 homolog (Mad4)</i>	-1.2	-1.2	-0.7	-2.2	-2.1	-2.3	-4.6
X58072	hGATA3 mRNA for trans-acting T-cell specific transcription factor	-1.0	-1.4	-2.2	-1.5	-2.4	-4.5	-4.4
Cell Cycle/ Proliferation								
X65550	mk167a (long type)	1.6	0.9	1.4	0.7	3.6	7.1	12.5
U66838	<i>Human cyclin A1</i>	1.6	0.9	2.0	2.7	3.4	3.4	11.1
U73379	Human cyclin-selective ubiquitin carrier protein	1.4	1.0	1.2	0.9	2.5	4.3	9.2
L25876	protein tyrosine phosphatase (CIP2)	2.0	1.0	0.4	0.6	2.1	2.6	8.1
D88357	CDC2 delta T	1.7	1.6	1.3	1.7	1.9	8.4	8.1
X65550	mk167a (long type)	0.9	0.7	0.3	1.4	4.0	3.0	7.9
AF053305	<i>mitotic checkpoint kinase Bub1 (BUB1)</i>	1.2	1.3	0.2	2.1	2.2	7.2	7.6
M25753	<i>Human cyclin B</i>	2.0	1.0	0.6	1.2	2.4	2.9	7.2
U01038	Human pLK	1.1	1.1	1.5	0.7	5.7	1.9	6.6
AF053306	<i>mitotic checkpoint kinase Mad3L (MAD3L)</i>	1.8	0.8	1.7	1.3	4.1	5.0	6.3
M81933	<i>cdc25A</i>	0.4	0.9	1.8	1.1	5.6	4.4	6.2
X51688	<i>cyclin A</i>	1.0	0.6	3.2	0.8	2.4	4.4	6.1
M25753	<i>Human cyclin B</i>	1.8	0.8	0.8	1.6	3.2	2.7	6.1
X51688	<i>cyclin A</i>	2.0	0.8	1.7	2.2	2.1	2.5	5.8
AF091433	<i>cyclin E2</i>	2.2	1.2	0.8	5.7	13.6	12.6	5.1

D55716	P1cdc47	1.6	0.8	1.0	0.8	2.4	2.8	5.1
X05360	CDC2	0.7	1.1	1.6	1.8	2.8	2.8	4.6
U05340	p55CDC	1.5	1.0	1.3	1.0	1.7	4.0	4.5
U77949	Cdc6-related protein (HsCDC6)	0.8	0.8	0.6	5.5	3.5	4.1	4.5
L13698	gas1	-0.8	-0.8	-2.0	-1.8	-1.5	-2.8	-10.6
L13698	gas1	-0.9	-0.8	-2.2	-2.1	-1.5	-3.7	-8.6
U22398	Cdk-inhibitor p57KIP2 (KIP2)	-1.4	-0.9	-0.9	-1.7	-2.3	-3.0	-5.9
D64137	KIP2 gene for Cdk-inhibitor p57KIP2	-0.8	-1.0	-1.2	-2.8	-4.0	-10.0	-5.0
U22398	Cdk-inhibitor p57KIP2 (KIP2)	-0.9	-1.2	-1.3	-3.0	-4.4	-9.7	-4.9
ECM/Cell Attachment								
D21255	OB-cadherin-2	0.5	3.4	1.2	4.3	5.6	1.8	19.2
X97675	plakophilin 2a and b	1.9	1.0	2.0	3.0	3.8	5.2	8.6
X17033	integrin alpha-2 subunit	1.4	0.7	2.1	3.4	4.4	5.0	7.1
U31201	laminin gamma2 chain (LAMC2)	1.7	0.6	4.5	1.3	11.4	4.7	5.0
U17760	laminin S B3 chain (LAMB3)	1.0	0.9	1.1	1.0	1.8	2.2	4.7
X53002	integrin beta-5 subunit	1.0	1.2	1.1	1.9	4.0	7.1	4.6
M30269	nidogen	-3.2	-1.6	-4.9	-2.5	-2.2	-6.3	-8.7
L22524	matrilysin	-1.0	-1.1	-1.1	-0.9	-0.9	-3.2	-7.5
Cytoskeletal								
X57527	alpha 1(VIII) collagen	0.5	0.9	1.0	2.0	1.9	3.1	5.0
M98776	keratin 1	-2.4	-0.8	-0.7	-1.5	-2.0	-5.1	-14.3
X07695	cytokeratin 4 C-terminal region	-2.0	-0.9	-1.3	-1.2	-1.6	-3.0	-7.1
X07696	cytokeratin 15	-1.6	-0.9	-0.7	-1.3	-1.4	-1.7	-6.2
X14640	keratin 13	-1.6	-1.1	-1.0	-1.6	-1.3	-2.3	-5.3
Z24727	tropomyosin isoform	-0.9	-0.9	-0.7	-1.2	-1.3	-1.6	-4.6
AF023676	lamin B receptor homolog TM7SF2 (TM7SF2)	-1.6	-1.0	-1.3	-1.8	-2.7	-1.8	-4.5
DNA Replication and Repair								
X90858	uridine phosphorylase	1.0	0.8	0.9	1.4	2.5	4.6	28.2
AF017790	retinoblastoma-associated protein HEC	1.2	2.0	1.3	0.7	2.9	10.1	16.3
X62534	HMG-2	1.6	1.5	0.5	1.3	2.6	5.8	11.1
X74330	DNA primase (subunit p48)	0.7	0.9	2.9	1.2	1.5	1.7	8.1
U43746	Breast cancer susceptibility (BRCA2)	0.4	1.3	1.6	0.8	1.6	3.2	6.7
L78833	BRCA1, Rho7 and vat1 genes	0.8	0.3	0.8	2.0	23.1	4.7	6.6
AI375913	tc14c08.x1 Homo sapiens cDNA	1.3	1.0	0.2	1.4	1.9	4.9	5.9
L07541	Replication factor C, 38-kDa subunit	1.2	0.9	0.6	1.2	3.4	2.8	5.6
M87339	Replication factor C, 37-kDa subunit	0.7	1.4	1.5	1.6	4.8	5.1	5.5
X59618	small subunit ribonucleotide reductase	0.9	1.7	0.4	1.1	2.1	3.5	4.9
J04088	DNA topoisomerase II	1.6	1.0	0.7	1.4	2.8	3.8	4.8
U39817	Bloom s syndrome protein (BLM)	0.3	0.7	1.8	0.4	13.2	11.8	4.7
M60974	GADD45 Growth arrest and DNA-damage-inducible protein	1.2	1.1	0.9	2.1	1.5	1.6	4.5
U20980	Chromatin assembly factor-I p60 subunit	3.2	0.9	1.2	0.5	9.3	5.6	3.6
U75679	Histone stem-loop binding protein (SLBP)	0.8	1.4	0.8	2.3	1.6	4.6	2.6
Mitotic Spindle Assembly								
Z15005	CENP-E	1.1	0.6	4.9	8.6	7.3	9.9	23.7
D14678	kinesin-related protein	1.3	0.3	1.2	2.1	4.8	0.8	11.1
U14518	centromere protein-A (CENP-A)	1.2	1.0	0.8	1.9	3.4	4.4	10.9
U63743	mitotic centromere-associated kinesin	1.6	1.4	0.1	0.2	7.6	4.9	10.9
U65410	Mad2 (hsMAD2)	1.4	0.5	1.6	1.6	4.8	7.5	9.5
X67155	mitotic kinesin-like protein-1	1.5	2.5	0.4	1.8	6.0	3.3	8.2
U30872	mitosis	1.1	0.8	0.8	0.6	1.1	5.1	5.7
AF063308	coiled-coil related protein DEEPEST	1.9	0.7	0.6	0.5	1.5	2.2	5.2
D14678	kinesin-related protein	1.7	1.3	1.7	1.4	2.7	3.7	5.0
AF092563	chromosome-associated protein-E (hCAP-E)	0.5	1.0	1.4	5.5	1.5	5.1	3.4
Nuclear Membrane Organization								
U18271	thymopoietin (TMPO)	4.4	0.7	1.8	1.0	2.0	2.5	6.7
X54134	protein tyrosine phosphatase epsilon	1.3	0.9	4.2	2.1	2.5	3.1	5.3
L37747	lamin B1	1.9	1.3	1.3	2.0	3.8	4.4	5.2
Immune Function/Inflammation								
M69199	G0S2 protein	1.7	1.0	1.8	5.6	5.7	5.7	125.2
U64197	chemokine exodus-1	1.3	1.1	1.4	2.1	0.7	1.6	46.4
U04636	cyclooxygenase-2 (hCox-2)	1.7	0.6	1.8	14.3	3.1	4.5	4.3
M27492	interleukin 1 receptor	-1.1	-0.6	-1.2	-0.7	-1.9	-3.1	-8.3
Angiogenesis								

M19481	<i>folliculin</i>	1.6	0.7	2.0	1.6	0.7	2.1	67.5
M63978	<i>vascular endothelial growth factor</i>	2.5	0.5	2.8	2.0	2.2	1.2	18.5
AF024710	<i>vascular endothelial growth factor</i>	1.4	0.8	1.0	1.8	1.4	1.1	5.8
AF022375	<i>vascular endothelial growth factor</i>	1.0	0.9	1.4	1.8	1.4	1.9	4.9
U83508	angiopoietin-1	-1.0	-0.6	-1.3	-1.0	-1.0	-2.8	-5.4

Metabolism

U22233	methylthioadenosine phosphorylase	0.6	1.1	0.9	2.3	2.2	2.3	6.8
AL050290	DKFZp586G1923	1.0	1.1	1.0	1.2	1.2	3.4	5.2
Z75190	apolipoprotein E receptor 2	1.6	1.7	1.5	4.4	7.8	2.4	3.6
J04813	cytochrome P450 PCN3	-0.8	-1.1	-1.6	-1.2	-2.6	-2.7	-27.5
Z11793	selenoprotein P	-2.1	-1.1	-1.7	-0.6	-1.5	-3.5	-9.1
U26726	11-beta-hydroxysteroid dehydrogenase type 2	-1.2	-1.0	-1.7	-2.3	-3.4	-11.3	-7.1
M13699	ceruloplasmin (ferroxidase)	-1.1	-1.1	-1.2	-0.5	-1.8	-0.7	-6.1
AF020038	NADP-dependent isocitrate dehydrogenase	-1.3	-1.0	-1.5	-1.2	-1.9	-1.9	-5.8
AF029893	i-beta-1,3-N-acetylglucosaminyltransferase	-1.3	-0.7	-1.7	-2.3	-1.0	-1.6	-5.4
M68840	monoamine oxidase A (MAOA)	-1.3	-0.7	-1.3	-1.1	-1.4	-2.0	-5.1
X53463	glutathione peroxidase-like protein	-1.0	-0.8	-0.8	-2.5	-2.6	-2.3	-5.0
M54994	bile salt-activated lipase	-0.7	-1.7	-3.8	-5.2	-4.5	-9.1	-4.9
AA420624	nc61c12.r1 Homo sapiens cDNA	-1.1	-0.8	-1.4	-1.2	-1.8	-2.5	-4.5
AA420624	nc61c12.r1 Homo sapiens cDNA	-1.0	-0.8	-1.6	-1.3	-2.4	-5.6	-4.4
X00129	retinol binding protein (RBP)	-0.3	-1.4	-8.3	-1.2	-1.6	-3.3	-4.0
AF082868	gamma butyrobetaine hydroxylase (BBH)	-0.6	-0.6	-1.6	-1.3	-1.4	-5.8	-3.2
U37519	aldehyde dehydrogenase (ALDH8)	-0.6	-1.6	-1.1	-2.2	-2.4	-4.6	-1.1

Calcium and Bone Metabolism

J03802	<i>renal carcinoma parathyrin hormone-like peptide</i>	1.1	1.6	0.5	1.4	9.1	1.1	12.8
AF098462	stanniocalcin-related protein	0.8	1.0	1.3	2.2	2.0	1.5	9.9
X89066	TRPC1 protein	1.2	0.9	1.2	1.5	0.8	4.2	8.0
M24351	<i>parathyroid hormone-like protein</i>	0.7	0.5	0.9	2.6	3.9	2.8	6.1
M22488	<i>bone morphogenetic protein 1 (BMP-1)</i>	-0.3	-1.3	-1.7	-3.2	-2.1	-4.8	-1.6

Transport

AF085692	multidrug resistance-associated protein 3B (MRP3)	2.0	0.6	0.5	1.0	1.8	2.0	6.9
L20859	leukemia virus receptor 1 (GLVR1)	0.9	1.0	3.3	4.0	3.5	4.1	5.4
M55531	glucose transport-like 5 (GLUT5)	-0.8	-1.0	-1.7	-1.7	-1.9	-4.6	-11.5
AA128249	zl29d09.r1 Homo sapiens cDNA	-0.7	-0.6	-1.6	-0.8	-1.5	-1.7	-9.8
U49248	canalicular multispecific organic anion transporter (cMOAT)	-1.0	-0.9	-2.7	-1.2	-1.6	-1.4	-6.4

Other/Novel Functions

M60830	EV12B3P gene	7.0	0.8	0.6	5.7	4.0	8.1	104.7
AF070641	clone 24421 mRNA	4.7	0.7	3.3	2.5	7.1	3.4	93.3
Z50194	PQ-rich protein	1.2	1.0	11.2	12.9	3.8	9.4	42.4
AL031985	Human DNA sequence from clone 228H13 on chromosome 1p34.1-35.3	1.1	0.9	4.1	2.8	0.7	1.1	40.9
D16532	gene for very low density lipoprotein receptor	0.4	0.9	0.6	1.2	0.9	5.5	24.2
D26361	KIAA0042	2.9	1.0	1.3	1.7	6.2	9.3	19.4
AB007870	KIAA0410	0.6	1.0	0.8	4.4	1.7	2.5	18.6
AL049389	DKFZp586O0118	1.3	0.9	0.2	0.4	10.9	2.2	18.5
D13633	KIAA0008	0.6	1.3	5.5	3.2	4.9	3.2	18.3
X85750	transcript associated with monocyte to macrophage differentiation	0.8	0.9	1.5	3.0	3.1	2.1	17.0
AI743134	wg87f07.x1 Homo sapiens cDNA	1.3	1.0	1.0	1.9	4.1	9.8	16.2
AB018293	KIAA0750	1.2	0.4	2.6	1.4	1.3	2.5	15.4
AL021977	bK447C4.1 (novel MAFF (v-maf musculoaponeurotic fibrosarcoma (avian)	0.9	1.4	5.2	4.8	6.0	9.9	13.8
AL022325	Homo sapiens DNA sequence from Fosmid 27C3 on chromosome 22q11.2-qte	0.4	1.0	0.2	1.4	6.6	1.9	13.1
X58377	adipogenesis inhibitory factor	1.0	0.1	1.0	1.7	4.8	2.0	12.8
D90070	ATL-derived PMA-responsive (APR) peptide	1.0	1.3	2.1	2.7	1.0	2.2	11.7
D38553	KIAA0074	0.9	0.8	0.8	2.1	9.5	2.0	11.2
AJ223728	Porc-PI gene similar to yeast CDC45	0.2	0.8	1.0	1.7	6.7	14.0	8.7
AB020651	KIAA0844	0.7	1.4	1.4	1.7	2.4	2.7	8.7
AF032862	intracellular hyaluronic acid binding protein (IHABP)	1.0	1.4	1.0	2.1	2.9	3.8	8.6
S81914	IEX-1	1.0	1.2	3.5	3.1	3.7	4.7	8.5
J02931	placental tissue factor (two forms)	1.0	0.9	2.4	5.7	8.2	11.3	8.2
X55740	Human placental cDNA coding for 5nucleotidase (EC 3.1.3.5)	1.6	1.1	1.3	2.9	5.1	5.1	8.2
L47276	alpha topoisomer	0.9	1.7	0.5	1.2	2.4	5.2	7.9
W74442	zd75e09.s1 Homo sapiens cDNA	0.6	1.3	0.8	0.4	2.6	15.7	7.7
W26667	11a1 Homo sapiens cDNA	1.5	1.2	0.8	1.8	3.7	3.3	7.6
U61836	putative cyclin G1 interacting protein	0.7	0.7	0.5	0.9	3.9	3.0	7.5
D26579	transmembrane protein	1.3	0.9	1.7	2.4	3.4	3.0	7.4

AL080110	DKFZp586G1922	1.6	1.4	1.1	1.8	1.8	2.2	6.6
AB014551	KIAA0651	1.3	0.6	2.1	1.4	2.2	1.7	6.6
M21302	small proline rich protein (sprl1)	0.7	1.1	0.6	1.1	2.5	1.7	6.5
D87119	GS3955	1.3	1.0	1.0	3.8	4.8	4.2	6.5
AB024704	fls353	1.1	1.3	0.9	1.1	2.5	4.5	6.4
AB014458	ubiquitin specific protease	1.2	1.0	1.2	1.9	2.2	3.7	6.3
AC005192	BAC clone RG163K11 from 7q31	0.8	0.9	0.8	1.4	1.6	1.2	6.3
AA059408	zl96e07.r1 Homo sapiens cDNA	0.9	1.5	0.9	2.6	1.7	2.3	6.2
AA255502	zr85b06.r1 Homo sapiens cDNA	1.4	1.2	0.5	0.6	2.5	6.6	6.0
U96131	HPV16 E1 protein binding protein	1.2	1.1	1.1	1.7	3.6	5.1	6.0
U39487	xanthine dehydrogenase/oxidase	1.0	0.9	0.9	1.7	3.0	3.1	6.0
AF049910	TACC1	1.2	1.6	0.8	1.9	2.0	3.4	6.0
AL031781	dJ51J12.1.3 human ortholog of mouse KH Domain RNA Binding protein Q	1.3	1.2	1.7	2.1	2.5	4.4	5.9
L36055	4E-binding protein 1	2.1	1.3	1.4	1.3	3.5	3.8	5.8
D87119	GS3955	1.7	1.0	1.6	3.6	3.3	4.6	5.8
AB019987	chromosome-associated polypeptide-C	1.2	1.0	0.9	1.7	2.3	4.2	5.7
D79997	KIAA0175	0.9	1.2	1.3	1.2	2.0	2.9	5.5
M20560	lipocortin-III	0.8	0.7	0.7	1.6	2.2	2.8	5.3
M93056	monocyte/neutrophil elastase inhibitor	0.8	0.9	1.6	1.4	1.3	3.3	4.9
AA151971	zo30b03.r1	1.7	0.8	0.9	0.5	1.2	2.7	4.9
D79987	KIAA0165	1.4	0.9	0.6	1.2	2.1	1.9	4.8
AF061258	LIM protein	1.1	1.3	1.6	1.6	2.0	1.3	4.8
U75285	survivin	2.4	1.9	2.4	1.2	2.1	1.5	4.7
X16354	mRNA for transmembrane carcinoembryonic antigen Spermidine/Spermine N1-Acetyltransferase, Alt. Splice 2	0.1	1.1	3.3	1.1	2.6	8.6	4.6
AC005053	BAC clone RG041D11 from 7q21	0.8	0.9	1.6	2.4	1.6	1.3	4.6
U04735	microsomal stress 70 protein ATPase core	0.9	1.4	2.4	2.2	2.0	2.4	4.6
X71345	trypsinogen IV b-form	0.6	1.8	0.9	1.2	2.0	1.9	4.6
AL080123	cDNA DKFZp569D2231	0.9	0.8	2.3	2.5	9.0	1.8	2.8
Z34897	H1 histamine receptor	0.6	0.6	3.6	1.0	4.6	1.8	2.8
AA398463	zt62e11.s1	0.7	0.6	0.6	5.7	2.1	1.0	2.5
AB006624	KIAA0286	1.3	1.5	5.2	1.1	6.5	4.1	2.5
X17094	furin	1.7	1.1	1.6	1.2	4.6	2.0	1.8
Y17782	heat shock protein B3	-1.1	-0.8	-0.9	-6.3	-16.1	-6.5	-40.3
AI040379	ox16c05.x1 Homo sapiens cDNA	-2.0	-0.4	-1.5	-0.8	-1.5	-1.3	-29.6
M68516	protein C inhibitor	-1.0	-1.1	-2.8	-1.5	-3.3	-5.4	-29.3
AF035282	Homo sapiens clone 23703	-0.9	-0.4	-3.0	-1.7	-2.5	-3.3	-22.4
AF070596	clone 24796	-2.0	-0.7	-0.8	-1.4	-0.9	-1.3	-12.2
W26407	29b8 Homo sapiens cDNA	-1.4	-0.6	-1.1	-0.9	-1.6	-2.0	-9.2
AL050159	DKFZp586A0522	-1.2	-0.8	-0.9	-1.1	-2.5	-2.4	-9.1
W28612	49b3 Homo sapiens cDNA	-1.1	-0.5	-1.3	-1.7	-1.7	-2.9	-8.7
U15590	heat shock 17kD protein 3	-1.0	-1.1	-1.2	-1.5	-2.3	-4.1	-8.5
AF039656	neuronal tissue-enriched acidic protein (NAP-22)	-1.4	-0.8	-1.3	-1.6	-1.3	-1.4	-6.7
U16799	Na,K-ATPase beta-1 subunit	-0.9	-0.7	-2.4	-1.5	-2.6	-3.6	-6.6
D13891	ld-2H	-0.8	-1.7	-1.5	-1.9	-2.7	-5.6	-6.5
X76534	NMB	-1.2	-0.8	-2.1	-1.3	-1.8	-3.0	-6.4
AB011147	KIAA0575 protein	-0.9	-0.6	-1.5	-1.5	-1.3	-3.6	-5.6
W28281	47e7 Homo sapiens cDNA	-1.1	-0.9	-1.1	-1.7	-3.9	-4.7	-4.9
AL038340	DKFZp566K192	-1.2	-1.1	-1.7	-1.9	-2.3	-3.8	-4.9
AB020685	KIAA0878 protein	-0.4	-1.1	-3.3	-1.4	-2.4	-24.5	-4.6
AA902713	ok71f11.s1 Homo sapiens cDNA	-1.0	-1.4	-1.9	-1.6	-2.8	-2.1	-4.6
AJ001258	NIPSNAP1	-1.0	-1.1	-1.3	-1.4	-1.6	-2.0	-4.5
AF014402	type-2 phosphatidic acid phosphatase alpha-1 (PAP2-a1)	-1.0	-1.0	-3.2	-2.6	-3.5	-3.7	-4.5
U90548	butyrophillin (BTF3)	-0.7	-1.1	-1.6	-1.4	-1.7	-4.8	-2.9
AL022238	dJ1042K10.3 (novel protein)	-1.0	-0.8	-1.0	-6.2	-2.0	-3.2	-2.1

¹Genbank accession numbers, gene annotation and fold change in mRNA abundance for rAd MEK1EE relative to rAd LacZ infected MCF-12A cells is shown for the time points indicated.

²Genes are grouped according to cellular function as reported in GeneCards (Rebhan, M., Chalifa-Caspi, V., Prilusky, J., Lancet, D.: GeneCards: encyclopedia for genes, proteins and diseases. Weizmann Institute of Science, Bioinformatics Unit and Genome Center (Rehovot, Israel), 1997. <http://bioinformatics.weizmann.ac.il/cards>

³Positive numbers indicate fold up-regulation and negative numbers indicate fold down regulation.

Genes referred to in the text are in italics

Table S5. Analysis of promoters of genes coordinately up-regulated and containing Myc and E2F binding sites. Genes encoding mRNAs coordinately up regulated by expression of MEK1EE and ERK1,2 activation (Group A Figure 3B) are listed. The Genbank accession number (column 1) corresponding to the element on Affymetrix U95A and gene annotation (column 2 from Affymetrix) are provided. The location of the Myc binding sites (relative to the start ATG) are listed in column 4. The last column lists the location of the binding sites for E2F (relative to the start ATG).

Supplemental Table 5
Promoter Analysis of Group A Up-regulated Genes

Original ID	Affymetrix Gene Annotation	Seq id	Myc Sites	E2F Sites
AB000449	VRK1	NM_003384	-1010	
AB002345	KIAA0347	NM_022817	-608 -1759 -1760	
AB002803	BACH1	NM_001186	-450 -451 -849 -1040	
AB006537	interleukin 1 receptor accessory protein	NM_002182	-293 -343	
AB006624	KIAA0286	NM_004354	-80 -196 -197 -328 -673 -822 -1396	
AB006746	hMmTRA1b	NM_021105	-255	
AB007448	OCTN1	NM_003059	-239 -312 -313 -393 -469 -471 -565	-1103
AB007865	KIAA0405	NM_013231	-32 -1346	
AB007870	KIAA0410	NM_014778	-56 -536 -1341 -1404	
AB007893	KIAA0433	NM_015216	-799	
AB011167	KIAA0595	AF325193	-127	
AB011420	DRAK1	NM_004760	-57 -93 -149 -234 -429 -430 -501 -502	
AB014551	KIAA0651	NM_004723	-125	
AB014587	KIAA0687	AC005035	-40 -197 -1388 -1846 -1847	
AB015132	UKLF	NM_003709	-841 -919	
AB018259	KIAA0716	NM_014705	-323 -324 -1514	
AB018273	KIAA0730	AF193556	-1373 -1374	-1753
AB019987	chromosome-associated polypeptide-C	NM_005496	-1768	
AB020651	KIAA0844	NM_014951	-144	
AB020684	KIAA0877	NM_014896	-1463	
AB023158	KIAA0941)	NM_014904	-1008 -1491	
AB023203	KIAA0986	NM_015186	-242 -414	-44
AB024704	fs353	AB024704	-1136	
AB028021	HNF-3beta hepatocyte nuclear factor-3 beta	AB028021	-822 -939 -956	
AB028069	activator of S phase Kinase	NM_006716	-398	
AB028969	KIAA1046	NM_014928	-1214 -1681 -1828	
AB029001	KIAA1078	NM_016357	-1399	
AC005192	BAC clone RG163K11	BC001272	-172 -1278	
AF001294	IPL (IPL)	NM_003311	-11 -104 -106 -247 -619 -707 -708	
AF001461	Kruppel-like zinc finger protein Zf9	NM_001300	-43 -149 -306 -430 -623	
AF006513	CHD1	NM_001270	-1610	
AF011468	serine/threonine kinase (BTAK)	NM_003600	-160 -633 -1589	
AF017790	retinoblastoma-associated protein HEC	NM_006101	-1480	
AF020043	chromosome-associated polypeptide (HCAP)	AF020043	-51 -284 -379 -380 -439	-325
AF022375	vascular endothelial growth factor	AF022375	-381 -597	
AF039945	synaptojanin 2B	AF318616	-148 -178 -275 -279 -546 -704 -705 -787 -788	
AF041037	novel antagonist of FGF signaling (sprouty-1)	AJ271735	-100	
AF049910	TACC1	NM_006283	-121 -161	
AF051152	Toll/interleukin-1 receptor-like protein 4 (TIL4)	AF051152	-1890	
AF059611	nuclear matrix protein NRP/B	NM_003633	-53 -795 -796 -797 -980 -1020 -1021 -1382	
AF063308	coiled-coil related protein DEEPEST	NM_006461	-1968	
AF085692	multidrug resistance-associated protein 3B	NM_020038	-574 -890 -1340 -1895 -1896	
AF091433	cyclin E2	NM_004702	-1200 -1208 -1366 -1696 -1700	
AF092563	chromosome-associated protein-E (hCAP-E)	NM_006444	-1341	
AF098462	stanniocalcin-related protein	NM_003714	-311 -622 -905 -1163 -1469 -1588 -1621 -1688	
D13633	KIAA0008	NM_014750	-1324 -1325	
D13645	KIAA0020	NM_014878	-1010	
D14657	KIAA0101	NM_014736	-59 -1435 -1904	
D16532	gene very low density lipoprotein receptor	D16493	-437 -1076	
D21063	KIAA0030	BC007670	-833 -919 -920 -1088 -1722	-900 -904
D25538	KIAA0037	NM_001114	-702 -703	
D26361	KIAA0042	NM_014875	-1402	
D26488	KIAA0007	BC008594	-1428 -1635 -1645	
D26579	transmembrane protein	NM_001109	-888 -1152 -1233 -1321 -1382 -1576 -1964	
D38553	KIAA0074	AF363689	-88 -126 -233 -254 -355 -446 -580 -703 -729 -731 -990 -992 -1031 -1166	
D42055	KIAA0093	NM_015277	-808	
D63881	KIAA0160	NM_015355	-145 -760	
D79986	KIAA0164	NM_014739	-113 -1413	
D79987	KIAA0165	NM_012291	-533 -788	
D79997	KIAA0175	NM_014791	-56 -87 -232 -233 -419 -456 -1649	
D84557	HsMcm6	NM_005915		-102 -106 -164 -168
D86956	KIAA0201	D86956	-80 -81	
D86959	KIAA0204	NM_014720	-113 -145 -161 -169 -192 -198 -376 -1752 -1753	
D87119	GS3955	NM_021643	-1921	
D87448	KIAA0259	NM_007027	-826	-814
D87953	RTP	D87953	-499 -1291 -1292	
D88357	CDC2 delta T	D88357	-209	
J02931	placental tissue factor	J02931	-27 -29	
J03802	renal carcinoma parathyrin hormone-like peptide	NM_002820	-360 -362 -401 -442	
J04027	plasma membrane Ca2+ pumping ATPase	NM_001682	-880	
K02581	thymidine kinase	NM_003258	-133 -151 -310 -1847	
L07541	replication factor C, 38-kDa subunit	NM_002915	-282	
L20826	I-plastin	NM_002670	-507 -635 -1304 -1830	
L38933	GT198	L38933	-859 -1820	
L76937	Werner syndrome gene	L76937	-356 -898	
M14083	beta-migrating plasminogen activator inhibitor I	NM_000602	-1859 -1860 -1934 -1974 -1975	
M18728	nonspecific crossreacting antigen	M18728	-106 -107	
M19481	folliculin gene	NM_006350	-105 -753 -1854	
M23379	GTPase-activating protein ras p21 (RASA)	NM_002890	-173 -772	
M25077	SS-A/Ro ribonucleoprotein autoantigen 60 kd subunit	M25077	-1083 -1963	
M25753	cyclin B	NM_031966	-133 -134	
M26326	keratin 18	NM_000224	-23 -1678	
M30704	amphiregulin (AR)	NM_001657	-124 -1077	

Original ID	Affymetrix Gene Annotation	Seq id	Myc Sites	E2F Sites
M31516	decay-accelerating factor	NM_000574	-35 -394 -980 -981 -1104 -1105	
M36820	cytokine (GRO-beta)	NM_002089	-594	
M37197	CCAAT-box-binding factor (CBF)	NM_005760	-13 -229 -387 -1168	
M37583	histone (H2A.Z)	NM_002106	-315 -316 -355 -397 -398	
M60278	heparin-binding EGF-like growth factor	NM_001945	-494 -836 -837 -1743	
M60830	EV12B3P	M60830	-363	
M61199	cleavage signal 1 protein	NM_006751	-1429 -1430 -1491	
M62831	transcription factor ETR101	NM_004907	-862 -863	
M63180	threonyl-tRNA synthetase	NM_003191	-252 -511 -1766	
M63978	vascular endothelial growth factor	M63978	-51 -267 -1693	
M69199	G0S2	M69199	-183 -248 -487 -488 -1885 -1915 -1916	
M92843	zinc finger transcriptional regulator	NM_003407	-313 -860 -1257	
M95178	non-muscle alpha-actinin	M95178	-520 -945	
M97856	histone-binding protein	NM_002482	-33	
U01038	pLK	U01038	-93 -181 -182 -1728 -1830	
U04735	microsomal stress 70 protein ATPase core	U04735	-1748 -1932	
U05340	p55CDC	NM_001255	-1276	
U07802	Tis11d	U07802	-572 -603 -1441 -1520	
U08021	nicotinamide N-methyltransferase (NNMT)	NM_006169	-149	
U13220	Forkhead protein FREAC-2	NM_001452	-1389	
U17077	BENE	BC003179	-371 -372	
U18271	thymopoietin (TMPO)	U18271	-916	
U20980	chromatin assembly factor-I p60 subunit	NM_005441	-476 -478 -690 -712 -1919	
U22233	methylothioadenosine phosphorylase (MTAP)	U22233	-824	
U29185	prion protein (PrP) gene	U29185	-31	
U30872	mitosin	NM_016343	-964	
U31556	transcription factor E2F-5	U31556	-357 -417	
U41387	Gu protein	NM_004728	-96 -1314	
U55206	gamma-glutamyl hydrolase	NM_003878	-205 -593	
U59877	low-Mr GTP-binding protein (RAB31)	NM_006868	-1127	
U63743	mitotic centromere-associated kinesin	NM_006845	-56 -180 -778	
U64197	chemokine exodus-1	U64197	-100 -496 -497 -681 -1321 -1322	
U67058	proteinase activated receptor-2	NM_025028	-436 -453 -667 -668 -1113 -1114	
U72514	C2f	U72514	-604 -984 -1470 -1471	
U75285	apoptosis inhibitor survivin	NM_001168	-129 -141 -1209 -1714	
U75679	histone stem-loop binding protein (SLBP)	NM_006527	-81 -373 -584	
U77914	soluble protein Jagged	NM_000214	-19 -398	
U77949	Cdc6-related protein (HsCDC6)	U77949	-1625	-8
U78722	zinc finger protein 165 (Zfp165)	NM_003447	-441	
U79263	clone 23760	BC005197	-406	
U79267	clone 23840	NM_005134	-45 -47 -143 -807	
U81262	LERK5 (LERK5)	NM_004093	-188 -203 -207 -324 -450 -537 -601 -746 -779 -837 -930 -1140 -1420 -1475 -1533 -1534	
U90030	bicaudal-D (BICD)	NM_001714	-441 -544 -546 -629 -1966	
U92315	hydroxysteroid sulfotransferase SULT2B1b (HSST2)	U92315	-403	
U93868	RNA polymerase III subunit (RPC32)	NM_006467	-28 -152 -329 -599 -869 -870 -911	
U96131	HPV16 E1 protein binding protein	NM_004237	-14 -16 -237 -312 -355 -395 -415 -459 -1008 -1290 -1299	
U97067	alpha-catenin-like protein	NM_003798	-233 -334 -1667	
V00568	c-myc oncogene	NM_002467	-414	
X05908	lipocortin	NM_000700	-1957	
X06256	integrin alpha 5 subunit	NM_002205	-1872 -1939	
X15804	alpha-actinin	X15804	-431 -856	
X15998	the chondroitin sulphate proteoglycan versican	NM_004385	-1027 -1554	
X16277	gene ornithine decarboxylase ODC (EC 4.1.1.17)	NM_002539	-208 -210 -344 -494 -495 -962	
X51688	cyclin A	NM_001237	-341	
X52015	interleukin-1 receptor antagonist	X52015	-393 -1661	
X54942	ckshs2 Cks1 protein homologue	NM_001827	-277 -727 -1186 -1187	
X55740	placental cDNA coding 5nucleotidase (EC 3.1.3.5)	NM_002526	-121 -347	
X58377	adipogenesis inhibitory factor	NM_000641	-299 -645	
X62534	HMG-2	X62534	-64	-1234
X63741	pilot /cds=(353,1516) /gb=X63741 /gi=35472 /ug=Hs.74088	X63741	-1925 -1926	
X64229	dek /cds=(33,1160) /gb=X64229 /gi=30502 /ug=Hs.110713 /	NM_003472	-229 -423 -480 -513 -618 -715 -717	
X67155	mitotic kinesin-like protein-1	X67155	-380 -1360 -1361 -1689 -1819	
X68487	A2b adenosine receptor	NM_000676	-448 -559 -560 -1824 -1825	
X68742	integrin, alpha subunit	NM_003637	-603 -1474 -1475	
X71345	trypsinogen IV b-m	X71345	-1538	
X84373	nuclear factor RIP140	NM_003489	-825 -1941	
X90858	uridine phosphorylase	NM_003364	-350 -351 -1091 -1266	
X96381	erm gene	NM_004454	-1293	
X97675	plakophilin 2a and b	NM_004572	-147 -201 -253 -386 -1458	
X98172	MACH-alpha-1 protein	X98172	-1106	
X98260	M-phase phosphoprotein, mpp11	AC004668_2	-59 -93	
X98263	M-phase phosphoprotein, mpp6	NM_005792	-1690	
Y00272	cell cycle control gene CDC2	NM_001786	-1350	
Y00630	Arg-Serpin (plasminogen activator-inhibitor 2, PAI-2)	NM_002575	-1880	-117
Y09631	PIBF1 protein	NM_006346	-364 -1091 -1415 -1907	
Y10746	protein containing MBD 1	NM_015847	-128 -557 -559 -605 -766 -1391	
Z15005	CENP-E	NM_001813	-66 -67	
Z36715	Net transcription factor	NM_005230	-12 -164 -185 -278 -280	
Z50194	PQ-rich protein	NM_007350	-429	
Z97029	ribonuclease H I large subunit	NM_006397	-124 -1618	
D14678	kinesin-related protein	BC000712	-365 -526 -527	
D55716	P1cdc47	D55716	-13 -14	
D87119	GS3955	NM_021643	-1921	
J04088	DNA topoisomerase II (top2)	NM_001067	-841	
L05624	MAP kinase kinase	L05624	-45 -110 -314 -694	
L16782	putative M phase phosphoprotein 1 (MPP1)	NM_016195	-1399	-1563
L20859	leukemia virus receptor 1 (GLVR1)	NM_005415	-59 -138 -139 -164 -199 -240	-213

Original ID	Affymetrix Gene Annotation	Seq id	Myc Sites	E2F Sites
L25876	protein tyrosine phosphatase (CIP2)	L25876	-766 -1043 -1363 -1364 -1625	
L25931	lamin B receptor (LBR)	NM_002296	-893	
M15205	thymidine kinase	NM_003258	-133 -151 -310 -1847	
M16750	pim-1 oncogene	M16750	-237 -438 -578 -580 -765 -1280	-742
M23379	GTPase-activating protein ras p21 (RASA)	NM_002890	-173 -772	
M25753	cyclin B	NM_031966	-133 -134	
M29039	transactivator (jun-B)	NM_002229	-188 -211 -269 -1725	
M33764	ornithine decarboxylase	NM_002539	-208 -210 -344 -494 -495 -962	
M37197	CCAAT-box-binding factor (CBF)	NM_005760	-13 -229 -387 -1168	
M59911	integrin alpha-3 chain	NM_002204	-1274	
M60527	deoxycytidine kinase	NM_000788	-9 -118 -143 -144 -165 -167 -200	
M68520	cdc2-related protein kinase	M68520	-1368 -1747	
M81933	cdc25A	NM_001789	-1333	-61
M86699	kinase (TTK)	NM_003318	-535	
M93425	protein tyrosine phosphatase (PTP-PEST)	M93425	-427 -463	
S62539	insulin receptor substrate-1	NM_005544	-27 -28 -114 -382 -1890 -1891	
S78187	CDC25Hu2	S78187	-453 -1920	
S81914	radiation-inducible immediate-early gene	S81914	-457	
U03911	mutator gene (hMSH2)	U03911	-226 -1284	
U04636	cyclooxygenase-2 (hCox-2) gene,	NM_000963	-55	
U15932	dual-specificity protein phosphatase	U15932	-147 -1480 -1481	
U28042	DEAD box RNA helicase-like protein	U28042	-82 -1351 -1352	
U31556	transcription factor E2F-5	U31556	-357 -417	
U39817	Bloom s syndrome protein (BLM)	NM_000057	-1587 -1680 -1681	
U43746	breast cancer susceptibility (BRCA2)	NM_000059	-21 -1594 -1964	
U48807	MAP kinase phosphatase (MKP-2)	U48807	-68 -217 -398 -671 -851 -1551 -1699	-774
U61167	SH3 domain-containing protein SH3P18	U61167	-1496	
U65410	Mad2 (hsMAD2)	U65410	-432	
U66838	cyclin A1	NM_003914	-913 -1083	
U81787	Wnt10B	NM_003394	-975 -1385 -1973	
AF024710	vascular endothelial growth factor	AF022375	-381 -597	
AB011004	HuUAP1 UDP-N-acetylglucosamine pyrophosphorylase	NM_003115	-533 -890 -891 -1236	
AB022718	DEPP (decidual protein induced by progesterone	NM_007021	-848 -849 -1395 -1454 -1893	
AF032862	intracellular hyaluronic acid binding protein (IHABP)	NM_012484	-499 -1292	
AF052102	clone 23926	NM_021145	-275	-106
AF052143	clone 24466	NM_018836	-12 -28 -41 -138 -474 -577 -625 -1278	-594
AF052178	clone 24523	NM_019005	-244 -310 -809 -1265	
AF070559	clone 24463	AF279143	-355 -1273	
AL031985	DNA sequence from clone 228H13	NM_023070	-414 -839	
AL049382	DKFZp586K1318	NM_014684	-1126	
AL049389	DKFZp586O0118	NM_032827	-389 -390 -526 -1656 -1887	
AL049415	DKFZp586N2119	NM_033274	-39	
AL049951	DKFZp564O0122	BC012132	-458 -1201	
AL050151	DKFZp586J0720	NM_032035		-1860
AL080110	DKFZp586G1922	BC011620	-643 -1507 -1508 -1806 -1807	
AL080123	DKFZp569D2231	BC007256	-193 -236 -237	
AL080235	DKFZp586E1621	NM_006236	-1916	
M23161	transposon-like element	NM_024343	-799	
M93056	monocyte/neutrophil elastase inhibitor sequence	BC009015	-380 -381	
U05875	clone pSK1 interferon gamma receptor accessory factor-1 (AF-1)	NM_005534	-620	
U74612	hepatocyte nuclear factor-3/k head homolog 11A (HFN-11A)	U74612	-1056	
U79256	clone 23719	NM_032900	-388 -395	
X16396	NAD-dependent methylene tetrahydrofolate dehydrogenase	X16396	-684	
X16901	RAP30 subunit of transcription initiation factor RAP30/	NM_004128	-1539	
X85750	transcript associated with monocyte to macrophage d	NM_012329	-617 -1846	
Y10313	IFRD1 (PC4) interferon-related developmental regulat	NM_001550	-167 -1273	
Z24724	polyA site DNA	AK001951	-278	
Z93930	DNA sequence from clone 292E10 on chromosome 22q11-12.	NM_005080	-63 -1707 -1805 -1806	
M24351	parathyroid hormone-like protein	M17183	-828 -830 -869 -910	
M34057	transforming growth factor-beta 1 binding protein	NM_000627	-360 -1636	
M60974	growth arrest and DNA-damage-inducible protein	NM_001924	-174 -236 -761	
U12535	epidermal growth factor receptor kinase substrate	NM_004447	-80 -89 -622	
U61836	putative cyclin G1 interacting protein	BC000669	-1444 -1834	
U67156	mitogen-activated kinase kinase kinase 5	U67156	-284 -476 -714	
U73379	cyclin-selective ubiquitin carrier protein	NM_007019	-287 -288 -328 -758 -1298 -1404 -1405	
U83659	multidrug resistance-associated protein homolog	AF009670	-864 -865	
X03473	gene histone H1(0)	NM_005318	-1694 -1695 -1707	
X05360	CDC2	NM_001786	-1350	-117
X16354	transmembrane carcinoembryonic antigen	X16354	-1178 -1437 -1877	
X51688	cyclin A	NM_001237	-341	
X52425	IL-4-R interleukin 4 receptor	NM_000418	-1930	
X65550	mki67a (long type)	X65550	-1307	
X65550	mki67a (long type)	X65550	-1307	
X66087	a-myb	X13294	-370 -405 -439 -594 -596	
X74330	DNA primase (subunit p48)	NM_000946	-145 -186 -321 -322	
X74795	P1-cdc46	X74795	-47 -360 -562 -626 -1122	-486 -490
X97795	homologous to S. cerevisiae RAD54	NM_003579	-712 -713 -912 -1589	
Z29083	5T4 gene 5T4 Oncofetal antigen	NM_006670	-1163	